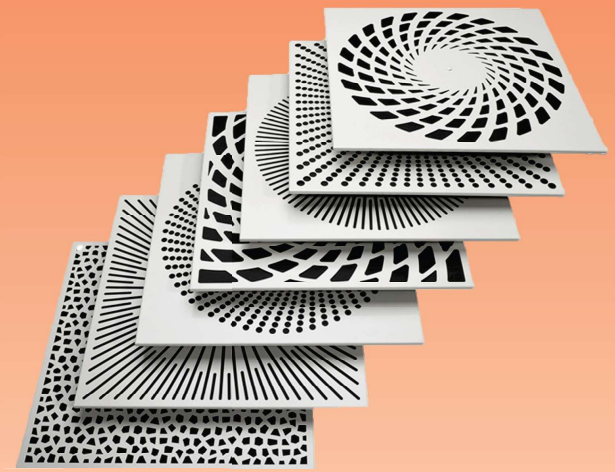
SUPPLY PLUS

THE ESSENTIAL DIRECTORY FOR AIR DISTRIBUTION SELECTION



TROX® TECHNIK

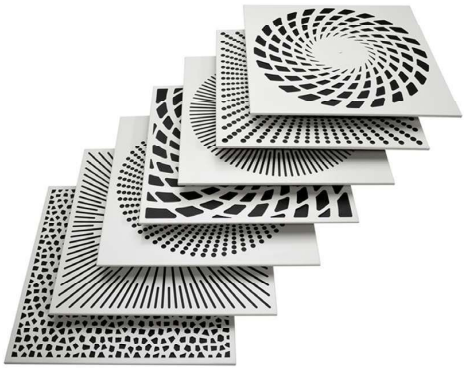


SAJI™

PRODUCT CATALOGUE 2011/2012

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TROX® TECHNIK
The art of handling air



XARTO SWIRL DIFFUSERS

- Ideal for conference rooms, exhibition halls, boardrooms etc.
- 10 different face plates offer a multitude of possibilities
- Excellent comfort level as a result of low air velocities and low temperature differences in the occupied zone
- Newly developed air distribution element to ensure a uniform air flow through the supply air diffuser
- Acoustically optimised damper blade for flow rate balancing
- Spigot with double lip seal
- Airflow Range---130 - 330l/s
- Pressure Range ---9 - 59 Pa
- Noise Range-------<10 - 40NC



TCS 600Q/R SWIRL DIFFUSERS

- Designed to fit into a standard 600 mm by 600 mm T-bar ceiling with a face size of 595 mm by 595 mm (Type 'TCS 600-Q').
- It is suitable for supply or return air application. It can also be supplied with a round face - TCS 600/R has a 675mm circular face
- This diffuser has a radial air flow discharge pattern with high induction flow rate suitable for both constant and variable air flow application.
- The supply air volume can be adjusted by using blanking plates which are made from sheet steel and are powder coated.
- There are five different sizes for choice.
- Airflow Range---120 - 400l/s
- Pressure Range ---15-38 Pa
- Noise Range-------<10-38NC



TROX AIRNAMIC

- High-quality aerodynamic characteristics using innovative plastic technology
- The use of the plastic technology enables the development and the production of three-dimensionally profiled blades, thus enabling high volume flow rates and low sound power levels. Low air velocities and low temperature differences in the occupied zone provide excellent comfort levels.
- Sizes: Circular: 400 and 600 mm
  Square: 300, 600 and 625 mm.
- Airflow range: 75 - 225 l/s
- Pressure Range ---7 - 62 Pa
- Noise Range-------<10 - 40NC

TROX® TECHNIK
The art of handling air



FLEXTRO FLEXIBLE PLENUM BOXES

• Up to 50 % less weight; approximately 60 % less transport and storage space required
• Easy to transport; easy and quick to erect for installation
• Newly developed air distribution element to ensure a uniform air flow through a supply air diffuser
• Acoustically optimised damper blade for flow rate balancing
• Spigot with double lip seal



TVB-A VAV BOXES

• Trox VARYCONTROL terminal boxes type TVB is suitable for volume flow control of supply air in VAV systems.
• Terminal boxes are used in VAV systems with a high level of technical and acoustic requirements.
• The heating requirements in the outer zones of an air-conditioned building can be controlled with the addition of electric heater elements or hot water coils.
• The air diffusers can be connected directly to a multiple outlet box to save branch ducting and installation costs
• Sizes : 4-16 (100mm - 400mm)
• Airflow Range---10 - 1890l/s
• Pressure Range ---20 - 1000 Pa
• Noise Range-------<15 - 64NC

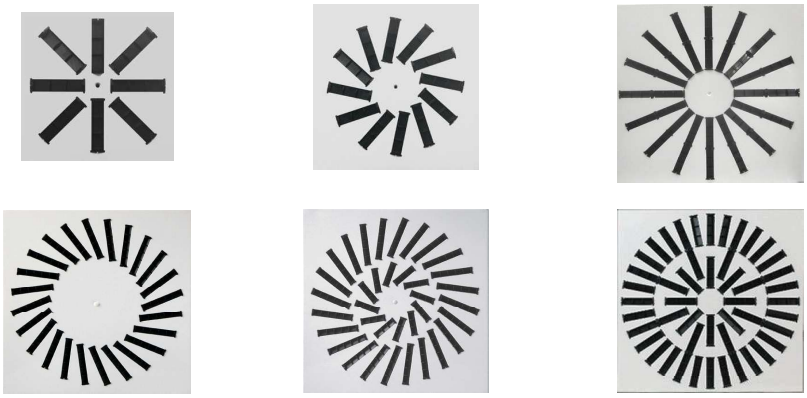


VFL VOLUME FLOW LIMITERS

• The VFL volume flow limiter simply deals with what is normally the tedious and expensive process of balancing flow rates in ventilation and air conditioning systems.
• Easy installation and precise operation saves precious time on site.
• The required flow rate can be simply set up at the point of installation when the VFL is fitted into the ductwork.
• The VFL controls to the set flow rate keeping it constant within close tolerances even when the upstream pressure changes
• Sizes: 18mm - 250mm.
• Airflow Range---4 - 250l/s
• Pressure Range ---30 - 300 Pa
• Noise Range-------<15 - 40NC

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SAJI™



Description
For supply air having fully adjustable air pattern blades whilst maintaining the air distribution benefits of a swirl diffuser. Its adjustable blades offer the flexibility required to overcome problems with the supply of warm and cool air into a modern office application.

Construction
From powder coated pressed steel with adjustable plastic black blades as standard.

Sizes
Available in sizes ranging from 295mm x 295mm to 595mm x 595mm Face Size. Swirl diffusers are offered with specially designed and constructed plenum boxes to suit.

Performance Data
All data is based on a ceiling height of 2.7m and at Isothermal conditions and tested with pre- insulated duct board plenums.



Description

For supply air having specially pitched blades to minimise both pressure drop and noise and maintaining high airflow capabilities. The diffuser offers both discreet ceiling integration and excellent performance characteristics. Unique adjustable blade design offers the flexibility of either horizontal or vertical airflow patterns. Suitable for ceiling heights in excess of 3.5 metres.

Construction
From powder coated spun aluminium sheeting with rear collar. Flanged connection ring for either duct or plenum box fixture.
Swirl diffusers are offered with specially designed and constructed plenum boxes to suit.

Performance Data
All data is based on a ceiling height of 2.7m and at Isothermal Conditions.
Tabulated throw values [Lt] are with installation in an unobstructed ceiling and to a point where the air velocity has reduced to 0.25 m/s Throws are shown with the blades set to discharge the air horizontally.

Supply Plus Diffuser Selection Criteria

To some people, a diffuser is just a piece of metal that covers a hole in the ceiling.
Occupants don't always understand what the diffuser does; instead, they may see it as the necessary evil that blows too-hot or too-cold air on them hour after hour. They often respond by complaining to the building manager or, worse, covering the diffuser with tape or paper.

Occupant comfort is extremely important to diffuser manufacturers, though. They spend a lot of time and money researching important characteristics such as airflow and throw patterns in order to make sure their products provide occupants with the optimum amount of comfort.

Of course, the diffuser is only one part of the entire HVAC system, so it won't necessarily work properly if the rest of the system is designed incorrectly.

Diffuser manufacturers often rate their products based on the Air Diffuser Performance Index (ADPI). This designation helps contractors and engineers select the proper diffuser that will make occupants comfortable, while ensuring that adequate ventilation mixing is provided.

What Is ADPI?

ADPI is defined by the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) Standard 113 as the percentage of supply points measured in a room that are within both the ASHRAE temperature and velocity ranges for comfort. ADPI is based on the acceptance and recognition that it is not possible to achieve a comfort level of 100 percent, but 80 percent acceptance is achievable and measurable.

For an office environment in the cooling mode, for example, designers should plan to have an ADPI of greater than 80. (ADPI should not be used as a measure of performance for heating conditions.)
The ADPI designation is used in mixing air distribution systems (systems in which the supply air and room air are mixed for temperature uniformity) as opposed to displacement systems (in which cool air is introduced at the floor level). The air in a mixing air distribution system is provided via high sidewall grilles, ceiling diffusers, sidewall grilles, linear slot diffusers, etc.

A high ADPI level increases the probability of ventilation air mixing. When occupancy specifications are designed to an ADPI level of 80 or greater, occupancy comfort is achieved.
ADPI is basically a one-number comfort index for a space. It relates to the comfort level similar to the way noise criteria (NC) relates to sound. ADPI is sometimes misinterpreted by people who think that an 80 ADPI means that 80 percent or more of the people in the space are comfortable. That is not correct.
According to basic principles, it is possible to relate ADPI to an occupied zone by mapping a cube from the floor to an elevation of 1800mm, and no closer than 300mm from a perimeter wall.
"Record the temperature (degrees C) and velocity (m/s) on the four elevations prescribed by Standard 113 at evenly spaced intervals in the module, then calculate the effective draft temperature for each location,"
"The ADPI value would be the percentage of points that meet the condition of -3 degrees to 2 degrees of optimum temperature with a room velocity of 0.25m/s or less.

"ADPI is a measure of the number of points meeting that condition, so an 80 or better means that 80 percent of the points in the occupied space meet that condition."

Maintaining ADPI

Deciding which diffuser to use in an application can be a challenge, especially when the goal is to achieve an ADPI of 80 or above for all space load conditions. Designers typically look at a diffuser's throw characteristics, so they'll know where the velocity points are in a room (e.g. where in terms of distance from the diffuser the air velocity is hitting 0.75m/s, 0.5m/s, and 0.25m/s).

General Selection Criteria

The key is to make sure a space doesn't end up with colliding airstreams from two diffusers. The resulting downdraft would not be comfortable for occupants.
Certain diffusers are better than others in helping ensure that such a downdraft doesn't occur. "High-induction diffusers are very popular because they have a tremendously long range".

"Over that longer range, they're keeping an ADPI above 80, which is critical. This makes it very difficult for engineers to make a mistake with these diffusers."

Most manufacturers offer some type of high-induction diffuser, but there are differences among them. System designers need to look at each diffuser's effectiveness, not only relative to its performance but also to its comfort and sound levels.

Each diffuser also has a distinctive throw pattern. Depending on the load in a particular space (which can fluctuate based on solar loads, people loads, etc.), some high-induction diffusers maintain that high ADPI over a wider range of load than other diffusers.

Diffuser Selection

When selecting the right diffuser for a specific project you have more than one goal in mind.
The air diffuser is the interface between the HVAC duct system and the occupied space.
A diffuser's primary purpose is to introduce conditioned air into the room without creating uncomfortable drafts or excessive noise (ADPI).
Its secondary role is just as important. The diffuser needs to fit in with the aesthetics of the floor layout. In fact, it should blend with the room decor so well you don't even notice it.
The Right Diffuser Is the One You Never Notice.

Linear Slot Diffuser:

• is effective with both heating and cooling, constant volume or variable air volume operations.
• blends well with most ceiling styles.
• is available in multiple slot widths and in a variety of length with a maximum of 4200mm in one single piece. Any continuous length are available in multiple pieces and are joined with a simple aligning strip.

Adjustable Slot Diffuser

This line of adjustable slot diffusers has many of the same features of the linear slot diffuser, plus it:
• can be positioned to vary the direction of airflow.
• is available with one to four slots providing adaptability to occupant and room configuration.
• available on request in multiple slot widths and lengths.

Ceiling Mounted Diffusers

Ceiling mounted diffusers are available to provide either a spreading or non-spreading air discharge pattern, giving them the flexibility to satisfy most situations. However, when selecting a diffuser design, it is important not only to consider how it works, but also how it looks. Supply Plus offers several types of diffusers to meet every need.
While the most practical diffusers are the linear slot diffuser and the adjustable vane slot diffuser, Supply Plus also offers...

General Selection Criteria

Light Air Boot

The single & double light air boot is used in conjunction with suspended ceiling lights. It is easily adjustable and adjusts both air volume and discharge airflow pattern. The use of this Light Air Boot requires coordination with the lighting system.

4 - Way Diffusers

The 4-Way Diffuser is a very commonly used diffuser mainly due to its simplistic design and ease of installation. The Supply Plus four way diffuser has been developed to offer higher supply airflows maintaining exceptionally low Noise and Pressure drop levels.

Jet Diffuser

Jet diffusers have become increasingly popular due to their capability of delivering high volumes of conditioned air across large room or building layouts. Once again Supply Plus has developed a unique range of eyeball jet diffusers offered in two configurations: Linear or swirl discharge.

Perforated Diffuser

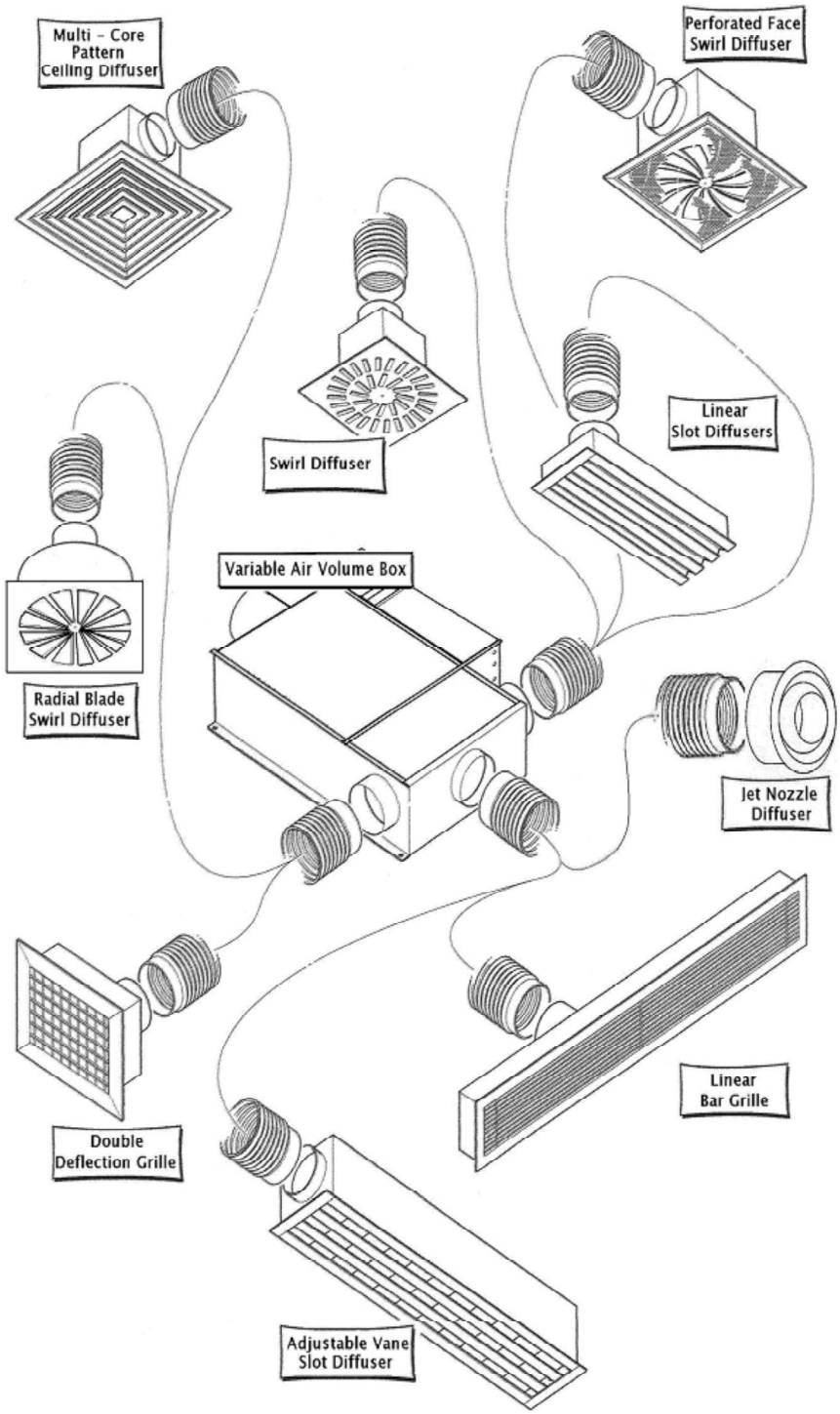
A popular type of diffuser is the perforated diffuser. This diffuser discharges air in a round or square pattern across a standard tile within the ceiling design.

Swirl Diffuser

The Swirl diffuser is a very popular type of diffuser that has emerged onto the market over the last 10 years with its striking looks and exceptional air mixing capabilities. This diffuser discharges air in a round swirl pattern across the ceiling known as the coanda effect.

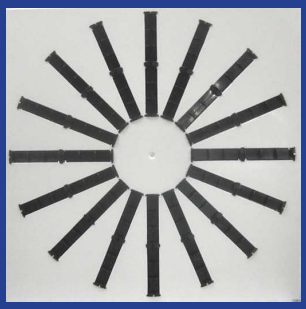
Coanda Effect

All Supply Plus linear slot and swirl diffusers deliver conditioned air using a unique distribution method known as the Coanda effect. This design principle discharges a high velocity jet of conditioned air along the ceiling surface.
As the air flows away from the diffuser, its velocity decreases and it gently falls down into the room. When the conditioned air falls, it forces the room air upward toward the diffuser. Using the Coanda effect, the gentle mixing of air from the various diffusers with the air in the room creates comfortable conditions for all situations.


Multi - Core Pattern Ceiling Diffuser
Perforated Face Swirl Diffuser
Swirl Diffuser
Linear Slot Diffusers
Variable Air Volume Box
Radial Blade Swirl Diffuser
Jet Nozzle Diffuser
Linear Bar Grille
Double Deflection Grille
Adjustable Vane Slot Diffuser

Grilles & Diffusers Selection Guide

Standard Range



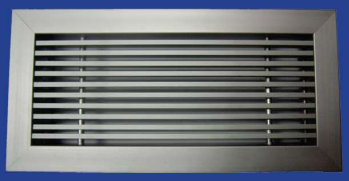
Standard Ceiling Mounted Grilles

Multi-Core Pattern Ceiling Diffusers.....pg.14-29
Swirl Diffusers.....pg.30-32
Slot Diffusers.....pg.33-34
Round Grilles & Diffusers.....pg.35-43
Eggcrate Grilles.....pg.44-53



Standard Wall Mounted Grilles

Wall Registers.....pg.54-58
Bar Grilles.....pg.59-60
Jet Diffusers.....pg.61-64
Louvres.....pg.65-70



Standard Floor Mounted Grilles

Aluminium Floor Grilles.....pg.70-71

Schots Elite Vents.....pg.72-73



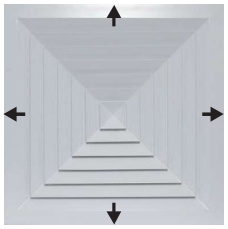
Standard Door Mounted Grilles

Door Grilles.....pg.74-75

Ceiling Mounted Grilles

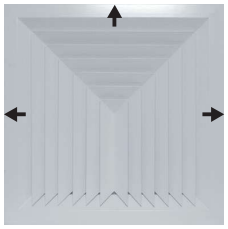
Lay-In 4-Way Blow Diffusers

Product Code	Face Size Metric	Nom. Neck Metric	Pieces/Carton	Price
LD4395F	395 x 395 Face	250 x 250	8	$41.48
LD4595295F	595 x 295 Face	450 x 150	10	$41.65
LD4595395F	595 x 395 Face	450 x 250	10	$48.45
XLD4595F	595 x 595 Face	450 x 450	8	$33.15
LD4605F	605 x 605 Face	460 x 460	8	$59.67
Grilles are aluminium powder coated white as standard				



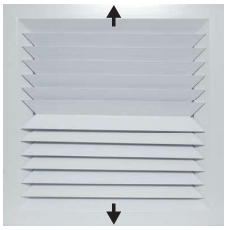
Lay-In 3-Way Blow Diffuser

Product Code	Face Size Metric	Nom. Neck Metric	Pieces/Carton	Price
LD3595F	595 x 595 Face	450 x 450	8	$57.46
Grilles are aluminium powder coated white as standard				



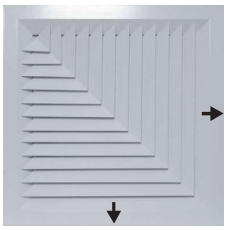
Lay-In 2-Way Opposite Blow Diffuser

Product Code	Face Size Metric	Nom. Neck Metric	Pieces/Carton	Price
LD2OPP595F	595 x 595 Face	450 x 450	8	$61.03
Grilles are aluminium powder coated white as standard				



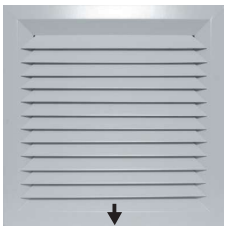
Lay-In 2-Way Corner Blow Diffuser

Product Code	Face Size Metric	Nom. Neck Metric	Pieces/Carton	Price
LD2CNR595F	595 x 595 Face	450 x 450	8	$62.73
Grilles are aluminium powder coated white as standard				



Lay-In 1-Way Blow Diffuser

Product Code	Face Size Metric	Nom. Neck Metric	Pieces/Carton	Price
LD1595F	595 x 595 Face	450 x 450	8	$61.03
Grilles are aluminium powder coated white as standard				



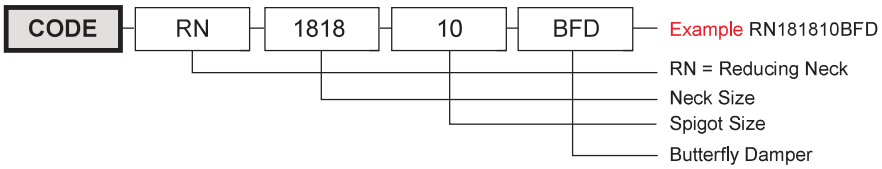
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Square to Round Reducing Neck (without clips) to Suit Lay-In Diffusers

Product Code	Possible Spigot Sizes Imperial	Suit These Grilles	Neck Size Metric	Neck Size Imperial	Price Plain Neck	Price Neck c/w BFD
RN1010	6"→10"	LD4395F	250 x 250	10 x 10	$13.00	$20.00
RN186	6"→12"	LD4595295F	450 x 150	18 x 6	$13.00	$20.00
RN1810	6"→14"	LD4595395F	450 x 250	18 x 10	$13.00	$20.00
RN1818	6'→18"	XLD4595F LD3595F LD2OPP595F LD2CNR595F LD1595F	450 x 450	18 x 18	$13.00	$20.00
RN605F	6"→18"	LD4605F	460 x 460	N/A	$13.00	$20.00

All Reducing Necks are sprayed black as standard





Square to Square Reducing Neck (without clips) to Suit Lay-In Diffusers

Product Code	Suit These Grilles	Neck Size Metric	Neck Size Imperial	Price
RN181866	XLD4595F LD3595F LD2OPP595F LD2CNR595F LD1595F	450 x 450 – 150 x 150	18 x 18 – 6 x 6	$15.00
RN181888		450 x 450 – 200 x 200	18 x 18 – 8 x 8	$15.00
RN181899		450 x 450 – 225 x 225	18 x 18 – 9 x 9	$15.00
RN18181010		450 x 450 – 250 x 250	18 x 18 – 10 x 10	$15.00
RN18181212		450 x 450 – 300 x 300	18 x 18 – 12 x 12	$15.00
RN18181414		450 x 450 – 350 x 350	18 x 18 – 14 x 14	$15.00
RN18181515		450 x 450 – 375 x 375	18 x 18 – 15 x 15	$15.00
RN18181616		450 x 450 – 400 x 400	18 x 18 – 16 x 16	$15.00

All Reducing Necks are sprayed black as standard

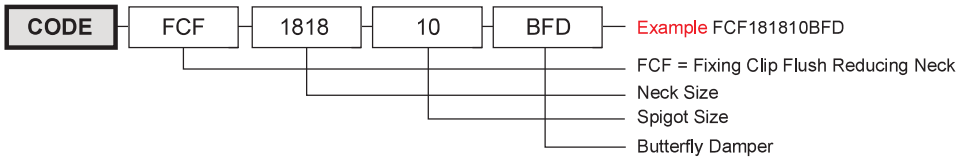


Square to Round Reducing Neck c/w Fixing Clips to suit Lay-In Diffusers

Product Code	Possible Spigot Sizes Imperial	Suit These Grilles	Neck Size Metric	Neck Size Imperial	Price Plain Neck	Price Neck c/w BFD
FCF1010	6"→10"	LD4395F	250 x 250	10 x 10	$14.70	$20.00
FCF186	6"→12"	LD4595295F	450 x 150	18 x 6	$14.70	$20.00
FCF1810	6"→14"	LD4595395F	450 x 250	18 x 10	$14.70	$20.00
FCF1818	6"→18"	XLD4595F LD3595F LD2OPP595F LD2CNR595F LD1595F	450 x 450	18 x 18	$14.70	$20.00
FCF605F	6"→18"	LD4605F	460 x 460	N/A	$14.70	$20.00

All Reducing Necks are sprayed black as standard





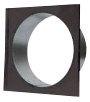
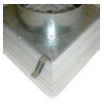
Square to Square Reducing Neck c/w Fixing Clips to suit Lay–In Diffusers

Product Code	Suit These Grilles	Neck Size Metric	Neck Size Imperial	Price
FCF181866	XLD4595F LD3595F LD2OPP595F LD2CNR595F LD1595F	450 x 450 – 150 x 150	18 x 18 – 6 x 6	$18.36
FCF181888		450 x 450 – 200 x 200	18 x 18 – 8 x 8	$18.36
FCF181899		450 x 450 – 225 x 225	18 x 18 – 9 x 9	$18.36
FCF18181010		450 x 450 – 250 x 250	18 x 18 – 10 x 10	$18.36
FCF18181212		450 x 450 – 300 x 300	18 x 18 – 12 x 12	$18.36
FCF18181414		450 x 450 – 350 x 350	18 x 18 – 14 x 14	$18.36
FCF18181515		450 x 450 – 375 x 375	18 x 18 – 15 x 15	$18.36
FCF18181616		450 x 450 – 400 x 400	18 x 18 – 16 x 16	$18.36

All Reducing Necks are sprayed black as standard



Matching Ancillaries for Lay-In Diffusers

PBF	RN □–○	RN □–□	CB	OBD	BP	FCF □–○	FCF □–□	TDBF	TDBM
									
see pg.192	see pg.15	see pg.15	see pg.137	see pg.118	see pg.142	see pg.16	see pg.16	see pg.125	see pg.126

TD Lay-In 4-Way Blow Diffuser

Product Code	Face Size Metric	Nom. Neck Metric	Pieces/Carton	Price
TDXLD4595F	595 x 595 Face	450 x 450	8	$47.60



* TD Lay -In Diffuser c/w 20mm turn-up to suit TD boxes*
* Price is for the TDXLD4595F grille ONLY*
* For more information, please refer to the TD section on pg. 123-129*

Matching Ancillaries for TD Lay-In 4-Way Blow Diffuser

PBF	OBD	BP	TDBF	TDBM
				
see pg.192	see pg.118-119	see pg.142	see pg.125	see pg.126

Plastic 4-Way Blow Lay-In Diffuser – ABS

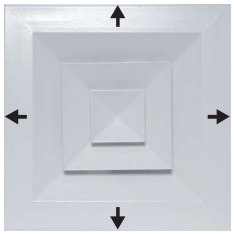
Product Code	Face Size Metric	Nom Neck Metric	Pieces/Carton	Price
PLD4595F	595 x 595 Face	435 x 435	5	$42.84



Ceiling Mounted Grilles

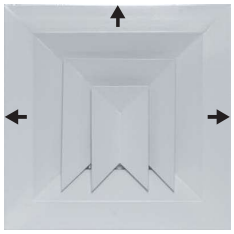
Flush Mounted 4-Way Blow Diffusers

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Pieces/Carton	Price
SD466	150 x 150	6 x 6	10	$26.35
SD499	225 x 225	9 x 9	10	$28.73
SD41212	300 x 300	12 x 12	10	$34.00
SD41515	375 x 375	15 x 15	10	$37.40
Grilles are aluminium powder coated white as standard				



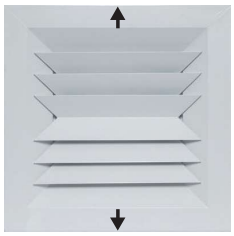
Flush Mounted 3-Way Blow Diffusers

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Pieces/Carton	Price
SD366	150 x 150	6 x 6	10	$28.73
SD399	225 x 225	9 x 9	10	$34.00
SD31212	300 x 300	12 x 12	10	$37.40
SD31515	375 x 375	15 x 15	10	$44.37
Grilles are aluminium powder coated white as standard				



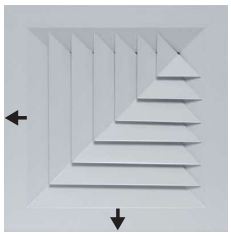
Flush Mounted 2-Way Opposite Blow Diffusers

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Pieces/Carton	Price
SD2OPP66	150 x 150	6 x 6	10	$35.70
SD2OPP99	225 x 225	9 x 9	10	$40.00
SD2OPP1212	300 x 300	12 x 12	10	$44.00
SD2OPP1515	375 x 375	15 x 15	10	$49.00
Grilles are aluminium powder coated white as standard				



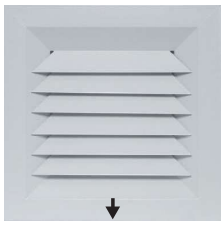
Flush Mounted 2-Way Corner Blow Diffusers

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Pieces/Carton	Price
SD2CNR66	150 x 150	6 x 6	10	$35.70
SD2CNR99	225 x 225	9 x 9	10	$40.00
SD2CNR1212	300 x 300	12 x 12	10	$44.00
SD2CNR1515	375 x 375	15 x 15	10	$49.00
Grilles are aluminium powder coated white as standard				



Flush Mounted 1-Way Blow Diffusers

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Pieces/Carton	Price
SD166	150 x 150	6 x 6	10	$35.70
SD199	225 x 225	9 x 9	10	$40.00
SD11212	300 x 300	12 x 12	10	$44.00
SD11515	375 x 375	15 x 15	10	$49.00
Grilles are aluminium powder coated white as standard				



Square to Round Reducing Neck (without Clips) to suit Flush Mounted Diffusers

Product Code	Possible Spigots Sizes Imperial	Suites This Grille & Size Range	Neck Size Metric	Neck Size Imperial	Price Plain Neck	Price Neck c/w BFD
RN66	4"→6"	SD66	150 x 150	6 x 6	$13.00	$20.00
RN99	6"→8"	SD99	225 x 225	9 x 9	$13.00	$20.00
RN1212	6"→12	SD1212	300 x 300	12 x 12	$13.00	$20.00
RN1515	6"→14"	SD1515	375 x 375	15 x 15	$13.00	$20.00

All Reducing Necks are sprayed black as standard



CODE — RN — 1212 — 10 — BFD — Example RN121210BFD

- RN = Reducing Neck
- Neck Size
- Spigot Size
- Butterfly Damper

Square to Round Reducing Neck c/w Fixing Clips to suit Flush Mounted Diffusers

Product Code	Possible Spigots Sizes Imperial	Suites This Grille & Size Range	Neck Size Metric	Neck Size Imperial	Price Plain Neck	Price Neck c/w BFD
FCF66	4"→6"	SD66	150 x 150	6 x 6	$14.70	$20.00
FCF99	6"→8"	SD99	225 x 225	9 x 9	$14.70	$20.00
FCF1212	6"→12	SD1212	300 x 300	12 x 12	$14.70	$20.00
FCF1515	6"→14"	SD1515	375 x 375	15 x 15	$14.70	$20.00

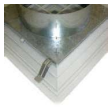
All Reducing Necks are sprayed black as standard



CODE — FCF — 1212 — 10 — BFD — Example FCF121210BFD

- FCF = Fixing Clip Flush Reducing Neck
- Neck Size
- Spigot Size
- Butterfly Damper

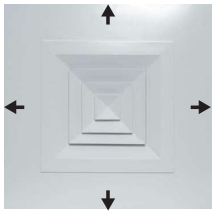
Matching Ancillaries for Flush Mounted Diffusers

PBF	RN	CB	OBD	BP	FCF	TDBF	TDBM
							
see pg.192	see pg.19	see pg.137-140	see pg.118-119	see pg.142	see pg.19	see pg.125	see pg.126

Plaque 4-Way Blow Diffusers

Product Code	Face Size Metric	Nom. Neck Metric	Pieces/Carton	Price
PLQ466	595 x 595 Face	150 x 150	8	$64.60
PLQ499	595 x 595 Face	225 x 225	8	$68.00
PLQ41212	595 x 595 Face	300 x 300	8	$71.40
PLQ41515	595 x 595 Face	375 x 375	8	$74.80

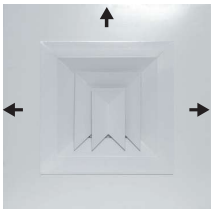
Grilles are powder coated white as standard
For Plaque Diffuser drawing, please refer to pg.195



Plaque 3-Way Blow Diffusers

Product Code	Face Size Metric	Nom. Neck Metric	Pieces/Carton	Price
PLQ366	595 x 595 Face	150 x 150	8	$64.60
PLQ399	595 x 595 Face	225 x 225	8	$68.00
PLQ31212	595 x 595 Face	300 x 300	8	$71.40
PLQ31515	595 x 595 Face	375 x 375	8	$74.80

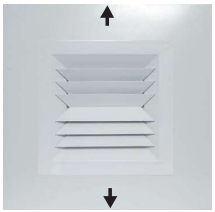
Grilles are powder coated white as standard



Plaque 2-Way Opposite Blow Diffusers

Product Code	Face Size Metric	Nom. Neck Metric	Pieces/Carton	Price
PLQ2OPP66	595 x 595 Face	150 x 150	8	$64.60
PLQ2OPP99	595 x 595 Face	225 x 225	8	$68.00
PLQ2OPP1212	595 x 595 Face	300 x 300	8	$71.40
PLQ2OPP1515	595 x 595 Face	375 x 375	8	$74.80

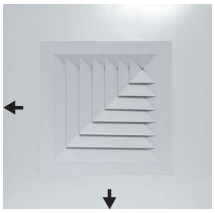
Grilles are powder coated white as standard



Plaque 2-Way Corner Blow Diffusers

Product Code	Face Size Metric	Nom. Neck Metric	Pieces/Carton	Price
PLQ2CNR66	595 x 595 Face	150 x 150	8	$64.60
PLQ2CNR99	595 x 595 Face	225 x 225	8	$68.00
PLQ2CNR1212	595 x 595 Face	300 x 300	8	$71.40
PLQ2CNR1515	595 x 595 Face	375 x 375	8	$74.80

Grilles are powder coated white as standard



Plaque 1-Way Blow Diffusers

Product Code	Face Size Metric	Nom. Neck Metric	Pieces/Carton	Price
PLQ166	595 x 595 Face	150 x 150	8	$64.60
PLQ199	595 x 595 Face	225 x 225	8	$68.00
PLQ11212	595 x 595 Face	300 x 300	8	$71.40
PLQ11515	595 x 595 Face	375 x 375	8	$74.80

Grilles are powder coated white as standard

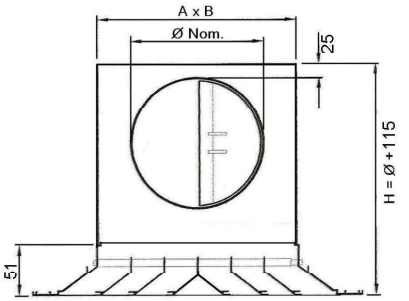


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QUICK SELECTION GUIDE FOR LAY-IN, FLUSH MOUNTED & PLAQUE DIFFUSERS

Description

For supply air, multi-core pattern design with quick release core and suitable for heating and cooling. Available in a range of different core patterns and sizes giving total flexibility for most installations in modern ceiling tile applications. Flanged for surface mounting or lay-in ceiling grid.



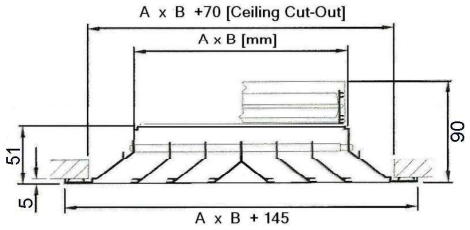
Construction

From extruded aluminium sections. Hairline mitred joints mechanically held. Optional Opposed Blade Dampers manufactured from extruded aluminium.

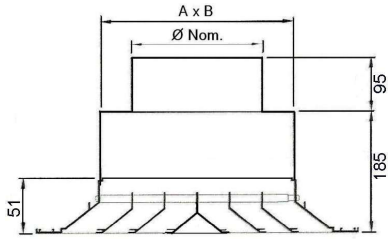
Sizes

From 150 x 150mm Nom. Neck size to 460 x 460mm Nom. Neck

Free Area - Approx. 46%



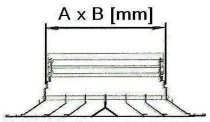
[Without Damper]



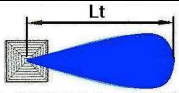
[With Damper]

Performance Data

Diffuser Core



All data is based on a ceiling height of 2.7m and at Isothermal Conditions. Tabulated throw values [Lt] are with an unobstructed flush ceiling and to a point where the air velocity has reduced to 0.5m/s on the short throw and 0.25m/s on the longer throw.



q [l/s]	A x B	Vn [m/s]	Ps [Pascals]	NC	Lt [Metres] [4-Way]	[3-Way]	2CNR/2OPP [2-Way]	[1-Way]
100	150x150	4.5	45	41	2.4 – 4.0	2.6 – 4.3	3.0 – 5.0	3.6 – 6.0
	225x225	2.0	11	18	1.7 – 2.9	2.1 – 3.2	2.3 – 4.3	3.0 – 5.5
	250x250	1.6	6	<15	1.0 – 2.0	1.2 – 2.3	1.5 – 2.7	1.8 – 3.6
125	225x225	2.5	21	25	2.4 – 3.2	2.7 – 3.7	3.1 – 4.3	3.9 – 5.9
	250x250	2.0	11	18	1.3 – 2.5	1.6 – 2.8	2.1 – 3.6	2.6 – 4.4
	300x300	1.4	5	<15	1.1 – 2.1	1.3 – 2.4	1.6 – 3.1	2.1 – 4.1
150	225x225	3.0	25	28	2.5 – 3.3	2.8 – 3.8	3.2 – 4.4	4.0 – 6.0
	250x250	2.4	14	24	1.7 – 2.9	2.1 - 3.2	2.3 - 4.0	3.0 – 5.5
	300x300	1.7	8	<15	1.4 – 2.5	1.7 – 2.8	1.9 – 3.2	2.2 – 4.8
175	225x225	3.5	32	32	2.7 – 4.0	3.0 – 4.5	3.4 – 4.8	4.2 – 6.4
	250x250	2.8	23	27	2.2 – 3.8	2.5 – 4.2	2.7- 4.5	3.2 – 5.7
	300x300	2.0	11	18	1.8 – 3.0	2.2 – 3.5	2.5 – 4.1	2.8 – 5.2
	375x375	1.3	4	<15	1.2 – 2.2	1.7 – 3.2	2.1 – 3.6	2.4 – 4.5
200	250x250	3.2	15	31	2.6 – 4.5	3.0 – 5.0	3.6 -6.0	4.0 – 6.8
	300x300	2.2	12	19	2.0 – 3.2	2.3 – 3.6	2.7 – 4.6	3.3 – 6.0
	375x375	1.4	5	<15	1.5 – 2.7	1.8 – 3.0	2.3 – 4.0	2.7 – 5.0
	450x450	1.0	2	<15	1.1 – 2.2	1.3 – 2.3	1.6 – 2.9	2.1 – 4.3
250	250x250	4.0	38	36	3.0 – 4.7	3.4 – 5.2	4.0 – 6.2	4.4 – 7.2
	300x300	2.8	22	28	2.5 – 3.6	2.9 - 4.1	3.6 - 4.8	3.9 – 6.5
	375x375	1.8	9	15	1.9 – 3.1	2.3 – 3.5	2.8 – 4.3	3.4 – 5.6
	450x450	1.2	3	<15	1.5 – 2.6	1.7 - 2.9	2.0 – 3.5	2.7 – 4.7
300	250x250	4.8	52	42	3.6 – 4.9	4.2 – 5.7	4.6 – 6.8	5.0 – 7.8
	300x300	3.3	27	32	2.7 – 4.6	3.3 – 4.8	4.0 – 5.5	4.5 – 7.0
	375x375	2.1	12	19	2.0 – 3.9	2.5 – 4.2	3.2 – 4.8	4.0 – 6.2
	450x450	1.5	5	<15	1.6 – 2.8	1.8 – 3.4	2.5 – 4.0	3.2 – 5.5

SAMPLE

For Diffusers installed with Plenum Boxes the following values need to be added to that of the required diffuser

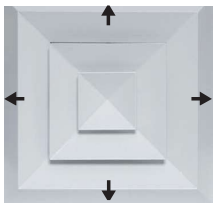
Spigot Velocity [m/s]	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5
Pressure Drop [Pa]	2	4	6	8	10	14	18	24
Noise Levels [NC]	2	2	2	3	4	6	8	10

Ceiling Mounted Grilles

Bevelled Edge 4-Way Blow Diffusers

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Pieces/Carton	Price
BED466	150 x 150	6 x 6	10	$27.71
BED499	225 x 225	9 x 9	10	$31.05
BED41212	300 x 300	12 x 12	10	$33.83
BED41515	375 x 375	15 x 15	10	$40.97
BED41818	450 x 450	18 x 18	10	$54.91
BED42121	525 x 525	21 x 21	5	$69.02
BED42424	600 x 600	24 x 24	4	$98.60

Grilles are aluminium powder coated white as standard



Bevelled Edge 4-Way Blow Diffusers c/w Fixing Clip Reducing Necks

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Spigot Size Metric	Pieces/ Carton	Price
FCBED4998	225 x 225	9 x 9	200	4	$45.73
FCBED412128	300 x 300	12 x 12	200	4	$48.53
FCBED4121210	300 x 300	12 x 12	250	4	$48.53
FCBED4121212	300 x 300	12 x 12	300	4	$48.53

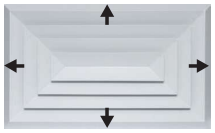
Grilles are aluminium powder coated white as standard
All Reducing Necks are sprayed black as standard



Bevelled Edge 4-Way Rectangular Diffuser

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Pieces/Carton	Price
BED4189	450 x 225	18 x 9	10	$62.05

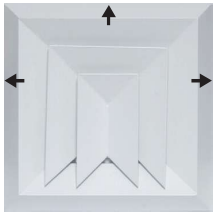
Grilles are aluminium powder coated white as standard



Bevelled Edge 3-Way Blow Diffusers

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Pieces/Carton	Price
BED366	150 x 150	6 x 6	10	$29.75
BED399	225 x 225	9 x 9	10	$32.98
BED31212	300 x 300	12 x 12	10	$37.99
BED31515	375 x 375	15 x 15	10	$43.52
BED31818	450 x 450	18 x 18	8	$61.00

Grilles are aluminium powder coated white as standard



Bevelled Edge 3-Way Rectangular Diffuser

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Pieces/Carton	Price
BED3156	375 x 150	15 x 6	10	57.54

Grilles are aluminium powder coated white as standard



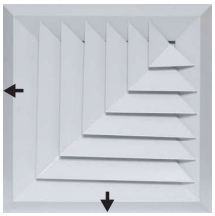
Bevelled Edge 2-Way Opposite Blow Diffusers

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Pieces/Carton	Price
BED2OPP66	150 x 150	6 x 6	10	$31.45
BED2OPP99	225 x 225	9 x 9	10	$36.55
BED2OPP1212	300 x 300	12 x 12	10	$43.60
BED2OPP1515	375 x 375	15 x 15	10	$48.79
BED2OPP1818	450 x 450	18 x 18	10	$65.62
Grilles are aluminium powder coated white as standard				



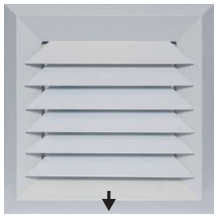
Bevelled Edge 2-Way Corner Blow Diffusers

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Pieces/Carton	Price
BED2CNR66	150 x 150	6 x 6	10	$31.45
BED2CNR99	225 x 225	9 x 9	10	$37.57
BED2CNR1212	300 x 300	12 x 12	10	$45.30
BED2CNR1515	375 x 375	15 x 15	10	$52.27
BED2CNR1818	450 x 450	18 x 18	10	$65.62
Grilles are aluminium powder coated white as standard				



Bevelled Edge 1-Way Blow Diffusers

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Pieces/Carton	Price
BED166	150 x 150	6 x 6	10	$31.45
BED199	225 x 225	9 x 9	10	$36.55
BED11212	300 x 300	12 x 12	10	$43.60
BED11515	375 x 375	15 x 15	10	$48.79
BED11818	450 x 450	18 x 18	10	$67.83
Grilles are aluminium powder coated white as standard				



Bevelled Edge Dump Diffusers

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Pieces/Carton	Price
DUMP99	225 x 225	9 x 9	10	$42.50
DUMP1212	300 x 300	12 x 12	10	$47.60
Grilles are aluminium powder coated white as standard				

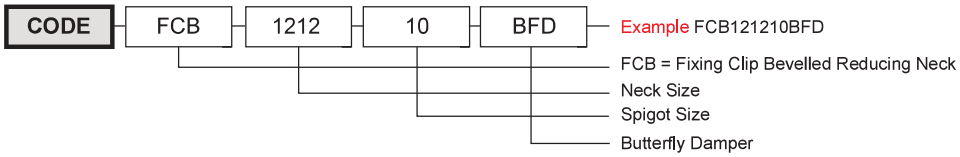


Fixing Clip Reducing Necks to suit Bevelled Edge Diffusers

Product Code	Possible Spigot Sizes Imperial	Suites This Grille & Size Range	Neck Size Metric	Neck Size Imperial	Price Plain Neck	Price Neck c/w BFD
FCB66	4"→6"	BED66	150 x 150	6 x 6	$14.70	$19.97
FCB99	6"→8"	BED99 DUMP99	225 x 225	9 x 9	$14.70	$19.97
FCB1212	6"→12"	BED1212 DUMP1212	300 x 300	12 x 12	$14.70	$19.97
FCB1515	6"→14"	BED1515	375 x 375	15 x 15	$14.70	$19.97
FCB156	6"→10"	BED156	375 x 150	15 x 6	$14.70	$19.97
FCB189	6"→12"	BED189	450 x 225	18 x 9	$14.70	$19.97
FCB1818	6"→18"	BED1818	450 x 450	18 x 18	$14.70	$19.97
FCB2121	6"→20"	BED2121	525 x 525	21 x 21	$14.70	$19.97
FCB2424	6"→24"	BED2424	600 x 600	24 x 24	$14.70	$19.97

All Reducing Necks are sprayed black as standard





Matching Ancillaries for Bevelled Edge Diffusers

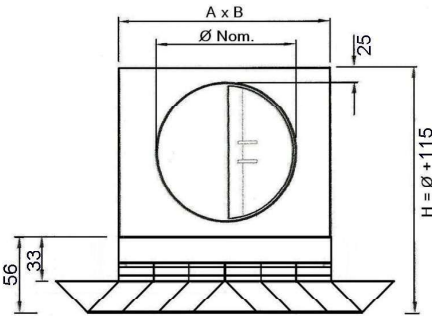
CB	FCB	BP	OBD	TDBF	TDBM
					
see pg.137-140	see pg.24	see pg.142	see pg.118-119	see pg.125	see pg.126

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QUICK SELECTION GUIDE FOR BEVELLED EDGE DIFFUSERS

Description

For supply air, multi-core pattern design with quick release core and suitable for heating and cooling. Available in a range of different core patterns and sizes giving total flexibility for all surface mounting applications while providing anti-smudge protection for the ceiling.



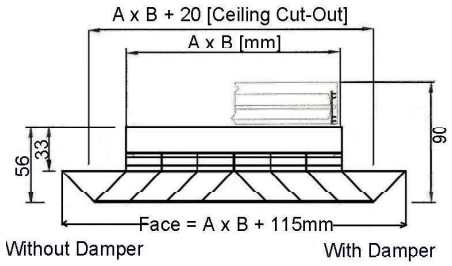
Construction

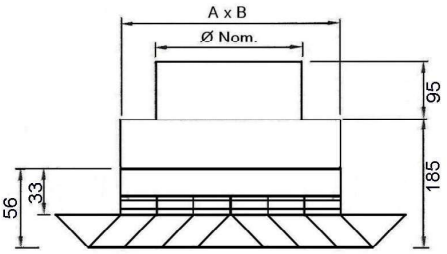
From extruded aluminium sections. Hairline mitred joints mechanically held. Optional Opposed Blade Dampers manufactured from extruded aluminium.

Sizes

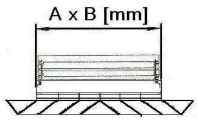
From 150 x 150mm Nom. neck size to 600 x 600 Nom. Neck

Free Area - Approx. 46%

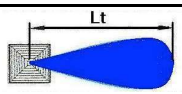




Performance Data



All data is based on a ceiling height of 2.7m and at Isothermal Conditions. Tabulated throw values [Lt] are with an unobstructed flush ceiling and to a point where the air velocity has reduced to 0.5m/s on the short throw and 0.25m/s on the longer throw.



Diffuser Core

q [l/s]	A x B	Vn [m/s]	Ps [Pascals]	NC	Lt [Metres] [4-Way]	[3-Way]	2CNR/2OPP [2-Way]	[1-Way]
100	150x150	4.5	45	41	2.4 – 4.0	2.6 – 4.3	3.0 – 5.0	3.6 – 6.0
	225x225	2.0	11	18	1.7 – 2.9	2.1 – 3.2	2.3 – 4.3	3.0 – 5.5
125	225x225	2.5	18	25	2.4 – 3.2	2.7 – 3.7	3.1 – 4.3	3.9 – 5.9
	300x300	1.4	5	<15	1.1 – 2.1	1.3 – 2.4	1.6 – 3.1	2.1 – 4.1
150	225x225	3.0	25	28	2.5 – 3.3	2.8 – 3.8	3.2 – 4.4	4.0 – 6.0
	300x300	1.7	8	<15	1.4 – 2.5	1.7 – 2.8	1.9 – 3.2	2.2 – 4.8
175	225x225	3.5	32	32	2.7 – 4.0	3.0 – 4.5	3.4 – 4.8	4.2 – 6.4
	300x300	2.0	11	18	1.8 – 3.0	2.2 – 3.5	2.5 – 4.1	2.8 – 5.2
	375x375	1.3	4	<15	1.2 – 2.2	1.7 – 3.2	2.1 – 3.6	2.4 – 4.5
200	300x300	2.2	12	19	2.0 – 3.2	2.3 – 3.6	2.7 – 4.6	3.3 – 6.0
	375x375	1.4	5	<15	1.5 – 2.7	1.8 – 3.0	2.3 – 4.0	2.7 – 5.0
	450x450	1.0	2	<15	1.1 – 2.2	1.3 – 2.3	1.6 – 2.9	2.1 – 4.3
250	300x300	2.8	22	28	2.5 – 3.6	2.9 - 4.1	3.6 - 4.8	3.9 – 6.5
	375x375	1.8	9	15	1.9 – 3.1	2.3 – 3.5	2.8 – 4.3	3.4 – 5.6
	450x450	1.2	3	<15	1.5 – 2.6	1.7 - 2.9	2.0 – 3.5	2.7 – 4.7
300	300x300	3.3	27	32	2.7 – 4.6	3.3 – 4.8	4.0 – 5.5	4.5 – 7.0
	375x375	2.1	12	19	2.0 – 3.9	2.5 – 4.2	3.2 – 4.8	4.0 – 6.2
	450x450	1.5	5	<15	1.6 – 2.8	1.8 – 3.4	2.5 – 4.0	3.2 – 5.5
	525x525	1.1	3	<15	1.4 – 2.5	1.6 – 2.8	2.0 – 3.8	3.0 – 4.9
350	375x375	2.5	18	25	2.2 – 4.2	2.7 – 4.5	3.3 – 5.0	4.7 – 6.5
	450x450	1.7	8	<15	1.8 – 3.8	2.0 – 3.5	2.6 – 4.2	3.4 – 6.0
	525x525	1.3	4	<15	1.6 – 2.7	1.8 – 3.0	2.2 – 3.0	3.2 – 5.4
	600x600	1.0	2	<15	1.2 – 2.2	1.4 – 2.5	1.6 – 2.7	2.8 – 4.1

SAMPLE

For Diffusers installed with Plenum Boxes the following values need to be added to that of the required diffuser

Spigot Velocity [m/s]	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5
Pressure Drop [Pa]	2	4	6	8	10	14	18	24
Noise Levels [NC]	2	2	2	3	4	6	8	10

Plastic Bevelled Edge 4-Way Blow Diffusers - ABS

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Pieces/Carton	Price
PBED499	225 x 225	9 x 9	10	$21.42
PBED41212	300 x 300	12 x 12	10	$27.37
PBED41515	375 x 375	15 x 15	10	$33.40

Grilles are white
Grilles are complete with snap down fixing clip



Poly Reducing Necks to suit Plastic Bevelled Edge Diffusers

Product Code	Neck Size Metric	Neck Size Imperial	Spigot Size Metric	Price Plain Neck	Price Neck c/w BFD
PRN996	225 x 225	9 x 9	150	$6.46	$10.71
PRN998	225 x 225	9 x 9	200	$6.46	$10.71
PRN12128	300 x 300	12 x 12	200	$7.65	N/A
PRN121210	300 x 300	12 x 12	250	$7.65	$12.92
PRN121212	300 x 300	12 x 12	300	$7.65	$12.92
PRN151510	375 x 375	15 x 15	250	$8.84	$17.34
PRN151512	375 x 375	15 x 15	300	$8.84	$17.34
PRN151514	375 x 375	15 x 15	350	$8.84	$17.34
PRN151516	375 x 375	15 x 15	400	$8.84	N/A

Poly Reducing Necks to suit A.B.S. Plastic Bevelled Edge Diffusers
All Reducing Necks are black as standard



SAJI MULTIFLO® Multi-Directional Outlet – ABS

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Pieces/ Carton	Price
MF99	225 x 225	9 x 9	10	$14.45
MF1212	300 x 300	12 x 12	10	$17.00



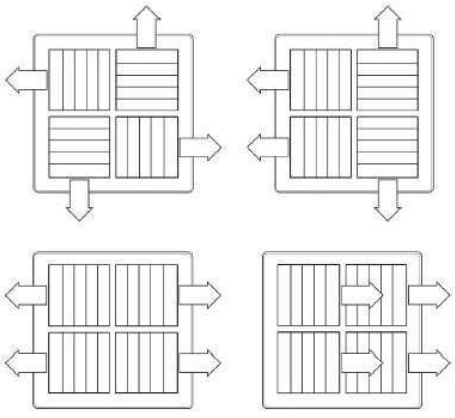
Poly Reducing Necks - c/w Damper to suit SAJI MULTIFLO®

Product Code	Neck Size Metric	Neck Size Imperial	Spigot Size Metric	Price Neck c/w BFD
MFRN996BFD	225 x 225	9 x 9	150	$9.35
MFRN998BFD	225 x 225	9 x 9	200	$9.35
MFRN12128BFD	300 x 300	12 x 12	200	$11.05
MFRN121210BFD	300 x 300	12 x 12	250	$11.05
MFRN121212BFD	300 x 300	12 x 12	300	$11.05
All Reducing Necks are black as standard				

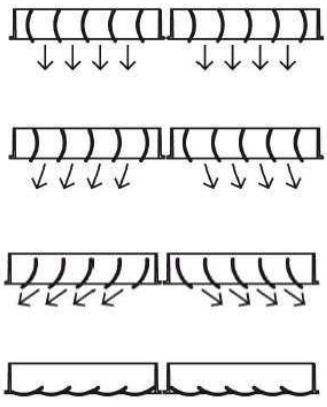


SAJI MULTIFLO® Product features:

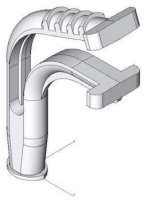
Impact resistant ABS diffuser and neck adaptor
Non-glare mottled white finish
Easy to clean and will not fade or discolour over time
Comes with toggle clips as shown in the picture below
Multi directional adjustable ABS blades framed into biscuits that clip into the main diffuser frame
Rounded edges to prevent ceiling scratches during installation
Snap together reducing neck



Airflow Patterns



Toggle Clip





Ceiling Mounted Grilles

Curved Blade Direct Vent - Plastic

Product Code	Neck Size Metric	Pieces/Carton	Price
CBDV1010	250 x 250	10	$14.45
CBDV1212	300 x 300	10	$17.00
CBDV1414	350 x 350	10	$22.10
CBDV1616	400 x 400	10	$24.14
CBDV1818	450 x 450	10	$27.71
CBDV540360	540 x 360	10	$28.90



Curved Blade Direct Vent comes standard with adjustable blades

Neck Adaptors to suit Curved Blade Direct Vent - Plastic

Product Code	Neck Size Metric	Spigot Size Metric	Pieces/Carton	Price
ADRN10106	250 x 250	150	50	$6.80
ADRN10108	250 x 250	200	50	$6.80
ADRN121210	300 x 300	250	50	$7.65
ADRN121212	300 x 300	300	50	$7.65
ADRN141412	350 x 350	300	40	$8.16
ADRN141414	350 x 350	350	40	$8.16
ADRN161614	400 x 400	350	40	$8.50
ADRN161616	400 x 400	400	40	$8.50
ADRN181816	450 x 450	400	20	$9.35
ADRN181818	450 x 450	450	20	$9.35
ADRN54036018	540 x 360	450	20	$10.20
ADRN54036020	540 x 360	500	20	$10.20



Side Entry Plastic Box to suit Curved Blade Direct Vent

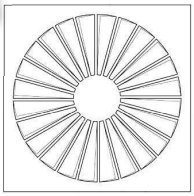
Product Code	Neck Size Metric	Spigot Size Metric	Pieces/Carton	Price
SEPB12128	300 x 300	200	1	$16.15
SEPB121210	300 x 300	250	1	$16.15
SEPB141412	350 x 350	300	1	$29.24



Radial Blade Swirl Diffuser - 24 Blades

Coming Soon!

Product Code	Face Size Metric
SD-RB24	595 x 595 Face

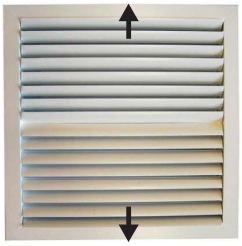


Grilles are pressed sheet steel powder coated white as standard

sales@supplyplus.biz I © Malsa Pty Ltd

Curved Blade 2-Way Opposite Blow Diffuser

Product Code	Face Size Metric	Nom. Neck Metric	Pieces/Carton	Price
CBD2OPP595F	595 x 595 Face	560 x 560	6	$90.00



Grilles are aluminium powder coated white as standard

Note: Any size and core pattern available on request.

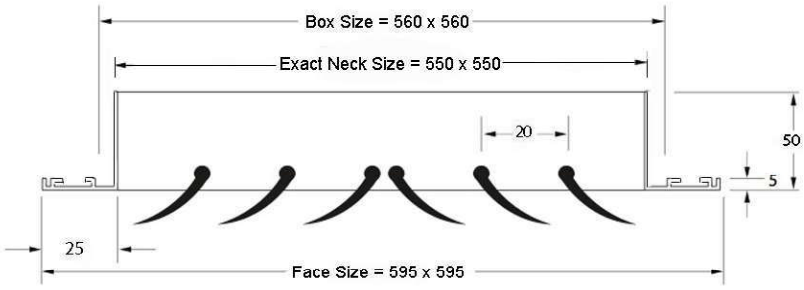
See Manufactured Range pg.79

Description
For supply or return air applications, having two sets of opposite discharge blades. The unique adjustable curved blade design allows for easy adjustment of the angle of air discharge. Suitable for soffit or ceiling mounting. Typical installations include offices, shops, hotels, colleges, universities, hospitals and most commercial or industrial buildings.

Construction
From high quality aluminium extrusion fitted to 25mm wide flange frame with corners mitred and mechanically held. The adjustable blades are fixed at 20mm centres to the frame using starlock washers and securing wire.

Size
Available in standard neck size of 560 x 560 and available in custom sizes on request.
Average free area approximately 85%.

Performance Data
Extrapolated NC levels and pressure drops are given for a diffuser without filters or dampers attached.
For other performance or selection details please contact the supplier.



Product Code	Nom. Neck (mm)	Neck Area (m²)	Neck Velocity (m/s)	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4
			Pressure Drop (Pa)	6	9	12	15	19	24	29	35
CBD2OPP595F	560X560	0.250	Flow Rate (l/s)	250	300	350	400	450	500	550	600
			NC Level	15	19	23	28	33	37	41	45
			Throw m	2.0-4.2	2.4-5.0	2.8-5.8	3.2-6.5	3.8-7.2	4.3-8.2	4.9-9.4	5.5-10.6

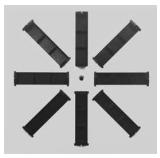
Matching Ancillaries for Curved Blade 2-Way Opposite Blow Diffuser

PBF	RN	CB	OBD	TDBF	TDBM
					
see pg.192	see pg.19	see pg.137-140	see pg.118-119	see pg.125	see pg.126

Swirl Diffuser - 8 Adjustable Blades

Product Code	Face Size Metric	Price
SD-AB8	295 x 295 Face	$47.60

Grilles are pressed sheet steel powder coated white as standard
Adjustable Plastic Blades



Swirl Diffuser - 12 Adjustable Blades

Product Code	Face Size Metric	Price
SD-AB12	395 x 395 Face	$54.40

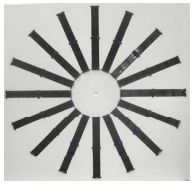
Grilles are pressed sheet steel powder coated white as standard
Adjustable Plastic Blades



Swirl Diffuser - 32 Adjustable Blades

Product Code	Face Size Metric	Price
SD-AB16	595 x 595 Face	$76.50

Grilles are pressed sheet steel powder coated white as standard
Adjustable Plastic Blades



Swirl Diffuser - 24 Adjustable Blades

Product Code	Face Size Metric	Price
SD-AB24	595 x 595 Face	$71.40

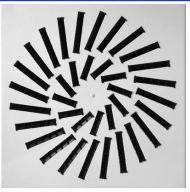
Grilles are pressed sheet steel powder coated white as standard
Adjustable Plastic Blades



Swirl Diffuser - 36 Adjustable Blades

Product Code	Face Size Metric	Price
SD-AB36	595 x 595 Face	$76.50

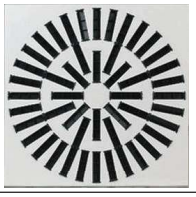
Grilles are pressed sheet steel powder coated white as standard
Adjustable Plastic Blades



Swirl Diffuser - 48 Adjustable Blades

Product Code	Face Size Metric	Price
SD-AB48	595 x 595 Face	$81.60

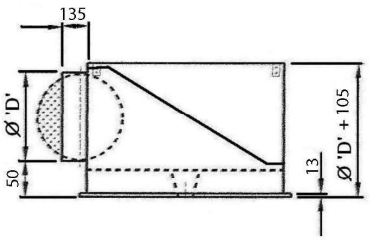
Grilles are pressed sheet steel powder coated white as standard
Adjustable Plastic Blades



QUICK SELECTION GUIDE FOR ADJUSTABLE BLADE SWIRL DIFFUSERS

Description

For supply air having fully adjustable air pattern blades whilst maintaining the air distribution benefits of a swirl diffuser. Its adjustable blades offer the flexibility required to overcome problems with the supply of warm and cool air into a modern office application.



TD Pre-insulated Duct Board Plenum Box
Damper Optional

Construction

From powder coated pressed steel with adjustable plastic black blades as standard.

Sizes

Available in sizes ranging from 295mm x 295mm to 595mm x 595mm Face Size.
Swirl diffusers are offered with specially designed and constructed plenum boxes to suit.

Performance Data

All data is based on a ceiling height of 2.7m and at Isothermal conditions and tested with pre- insulated duct board plenums.

Product Code Face Size No. Swirl Slots	Neck Velocity m/s	1.5	2.0	2.5	3.0	4.0	5.0
SD-AB8 295x295 8	Airflow l/s	26	35	44	53	70	88
	Pressure Drop Pa	3	6	10	14	25	38
	Noise Criteria NC	<15	15	19	23	32	39
	Throw m	0.9 – 1.8	1.1 – 2.0	1.2-2,2	1.3 – 2.5	1.7-3.0	1.8-3.3
SD-AB12 395x395 12	Airflow l/s	40	53	66	79	106	132
	Pressure Drop Pa	5	9	13	19	34	54
	Noise Criteria NC	<15	<15	15	20	28	38
	Throw m	1.0-1.9	1.3 – 2.2	1.4-2.5	1.5 – 2.7	1.8-3.2	2.0-3.4
SD-AB24 595x595 24	Airflow l/s	79	106	132	158	211	264
	Pressure Drop Pa	4	8	12	18	31	49
	Noise Criteria NC	<15	19	25	31	36	44
	Throw m	1.4-2.5	1.7-2.8	1.9-3.1	2.1-3.4	2.3-3.8	2.6-4.3
SD-AD16 595x595 32	Airflow l/s	106	141	176	211	282	352
	Pressure Drop Pa	6	10	15	22	39	62
	Noise Criteria NC	<15	22	26	32	41	50
	Throw m	1.8-2.8	2.5 – 4.0	2.7-4.2	2.9-4.5	3.3-5.0	3.7-5.5
SD-AB36 595x595 36	Airflow l/s	119	158	198	238	317	396
	Pressure Drop Pa	7	12	19	27	49	76
	Noise Criteria NC	<15	20	28	34	42	54
	Throw m	1.9-2.9	2.6-4.1	2.8-4.3	3.0-4.6	3.4-5.1	3.8-5.6
SD-AB48 595x595 48	Airflow l/s	158	211	264	317	422	528
	Pressure Drop Pa	9	16	24	35	63	98
	Noise Criteria NC	<15	22	30	37	45	57
	Throw m	2.1-3,1	2.8-4.3	3.1-4.6	3.4-5.2	3.7-5.5	4.0-5.9

SAMPLE

Matching Ancillaries for Adjustable Blade Swirl Diffusers

CB	TDBF	TDBM
		
see pg.137-140	see pg.125	see pg.126

Ceiling Mounted Grilles

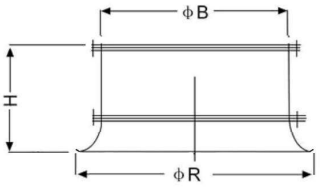
High Volume Round Swirl Diffusers

Product Code	ØBmm	ØRmm	H mm	Price
HVSD10	250	375	183	$272.00
HVSD12	300	448	203	$374.00
HVSD315	315	476	210	$391.00
HVSD14	350	514	225	$476.00
HVSD16	400	578	238	$578.00
Grilles are powder coated white as standard				

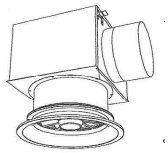


Description

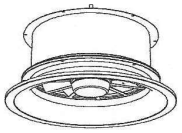
For supply air having specially pitched blades to minimise both pressure drop and noise and maintaining high airflow capabilities. The diffuser offers both discreet ceiling integration and excellent performance characteristics. Unique adjustable blade design offers the flexibility of either horizontal or vertical airflow patterns. Suitable for ceiling heights in excess of 3.5 metres.



Plenum Box Fixture



Flanged for Duct Fixture

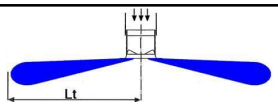


Construction

From powder coated spun aluminium sheeting with rear collar. Flanged connection ring for either duct or plenum box fixture.
Swirl diffusers are offered with specially designed and constructed plenum boxes to suit.

Performance Data

All data is based on a ceiling height of 2.7m and at Isothermal Conditions.
Tabulated throw values [Lt] are with installation in an unobstructed ceiling and to a point where the air velocity has reduced to 0.25 m/s Throws are shown with the blades set to discharge the air horizontally.

Product Code	Performance Data	Units						
HVSD10	Neck Velocity	m/s	1	1.5	2	2.5	3	3.5
	Air Flow	l/s	50	75	100	125	150	175
	Noise Criteria	NC	<15	17	22	34	40	45
	Pressure Drop	Pa	10	22	38	60	86	117
	Throw	m	1.2	2.3	3.1	3.7	4.7	5.8
HVSD12	Neck Velocity	m/s	1	1.5	2	2.5	3	3.5
	Air Flow	l/s	72	105	144	180	215	250
	Noise Criteria	NC	<15	17	21	32	36	42
	Pressure Drop	Pa	8	18	33	52	74	100
	Throw	m	1.4	2.2	3.1	4	4.8	5.8
HVSD315	Neck Velocity	m/s	1	1.5	2	2.5	3	3.5
	Air Flow	l/s	80	120	160	200	240	280
	Noise Criteria	NC	<15	18	24	32	36	41
	Pressure Drop	Pa	8	18	33	51	73	100
	Throw	m	1.5	2.6	3.5	4.6	5.8	6.6
HVSD14	Neck Velocity	m/s	1	1.5	2	2.5	3	3.5
	Air Flow	l/s	95	145	195	245	295	345
	Noise Criteria	NC	<15	18	28	33	38	43
	Pressure Drop	Pa	7	17	31	49	71	97
	Throw	m	1.4	2.6	3.6	4.5	5.7	6.6
HVSD16	Neck Velocity	m/s	1	1.5	2	2.5	3	3.5
	Air Flow	l/s	125	190	255	315	380	445
	Noise Criteria	NC	<15	17	25	31	37	44
	Pressure Drop	Pa	7	16	30	45	66	90
	Throw	m	1.5	2.7	3.7	4.6	5.8	7

SAMPLE

Removable Core (20 mm) 2 & 3 Slot Linear Diffusers

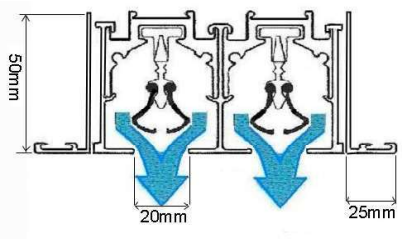
Product Code	Nom. Neck Metric	Slot	Slot Width (mm)	Exact Neck Metric	Face Size Metric	Pieces/ Carton	Price
RCLS600	600	2	20	590 x 97	638 x 145	5	$46.24
RCLS900	900	2	20	890 x 97	938 x 145	5	$68.00
RCLS1000	1000	2	20	990 x 97	1038 x 145	5	$76.50
RCLS1200	1200	2	20	1190 x 97	1238 x 145	5	$89.76
RCLS595F	555	2	20	547 x 97	595 x 145	5	$43.52
RCLS1195F	1155	2	20	1147 x 97	1195 x 145	5	$87.04
RCLS31195F	1155	3	20	1147 x 137	1195 x 185	5	$115.60

Diffusers are aluminium powder coated white & c/w black anodised blades as standard
All RCLS come complete with safety chains
Note: Screw fix core after installation is recommended.



Description

For supply air, fully adjustable removable core linear slot diffuser with unique air pattern control design. The air pattern can be adjusted in situ or factory set to suit design requirements. Suitable for ceiling or wall mounting applications.



Construction

From high quality aluminium extrusion in maximum one piece lengths of 1200mm, with mitred ends as standard. Removable Core available in 2 & 3 slots. Powder coated white as standard.

Performance Data

Suitable for both cooling and heating applications with normal temperature differentials to 12° C. Data is calculated from 1000mm long diffuser modules, installed in a 2.7m high flush ceiling and at isothermal conditions.
Data given in Table 1 is based on air being diffused in one direction only. Diffusers can be set to diffuse in opposite directions, thus for 2-way air pattern divide the total air volume proportionally.

Product Code		Supply Air Volume m/s							
		45	60	75	100	125	150	175	200
RCLS595F	Throw H	2.3-6.9	2.7-8.2	3.7-9.7	4.8-10.9	5.8-12.4			
	Throw V	3.4	4.2	5.0	6.9	8.0			
	Pa	15	26	41	72	113			
	NC	24	27	30	40	48			
RCLS600	Throw H	2.2-6.7	2.5-8.0	3.6-9.5	4.7-10.6	56-12.1			
	Throw V	3.3	4.1	4.9	6.7	7.8			
	Pa	14	24	38	67	104			
	NC	23	26	29	38	46			
RCLS900	Throw H	1.9-5.9	2.4-7.1	2.8-8.4	3.8-9.9	4.9-11.1	5.9-12.6		
	Throw V	2.7	3.5	4.2	5.2	6.8	7.7		
	Pa	9	16	25	44	69	100		
	NC	20	24	26	32	39	45		
RCLS1000	Throw H	1.7-5.4	2.2-6.5	2.5-7.6	3.5-9.0	4.5-10.1	5.4-11.5		
	Throw V	2.5	3.2	3.8	4.7	6.2	7.1		
	Pa	8	14	22	40	62	90		
	NC	19	23	25	30	36	42		
RCLS1195F	Throw H	1.5-4.9	2.0-5.8	2.3-6.8	3.1-8.1	4.1-9.0	4.9-10.3	5.6-11.4	
	Throw V	2.3	2.9	3.4	4.2	5.6	6.4	7.3	
	Pa	7	12	19	34	54	77	105	
	NC	18	22	24	28	34	40	44	
RCLS1200	Throw H	1.4-4.8	1.9-5.7	2.2-6.7	3.0-8.0	4.1-8.9	4.8-10.2	5.5-11.3	
	Throw V	2.2	2.8	3.3	4.1	5.5	6.3	7.2	
	Pa	7	12	19	33	52	75	101	
	NC	18	22	24	28	33	39	43	
RCLS31195F	Throw H	1.2-4.6	1.6-5.6	2.0-6.5	2.7-7.7	3.1-8.8	3.8-10.3	4.5-11.0	5.1-12.0
	Throw V	1.7	2.1	2.8	3.5	4.3	5.1	5.9	6.6
	Pa	5	8	13	23	36	52	70	92
	NC	-	-	19	21	26	30	35	41

SAMPLE

Ceiling Mounted Grilles

Linear Box Side Entry to Suit Rem/Core (20 mm) 2 & 3 Slot Linear Diffusers

Product Code	Box Size	Price 5mm Rubber	Price 13mm Poly / 10mm Rubber	Price 13mm F/G	Price 25mm F/G	Price 25mm Perf
LB6002S	600 x 105	$41.05	$49.30	$51.25	$55.33	$61.45
LB9002S	900 x 105	$50.49	$60.60	$63.15	$68.25	$75.65
LB10002S	1000 x 105	$60.00	$72.00	$75.14	$81.09	$90.00
LB12002S	1200 x 105	$60.00	$72.00	$75.14	$81.09	$90.00
LB5952S	555 x 105	$41.05	$49.30	$51.25	$55.33	$61.45
LB11952S	1155 x 105	$60.00	$72.00	$75.14	$81.09	$90.00
LB11953S	1155 x 145	$60.00	$72.00	$75.14	$81.09	$90.00

Stepped Linear Boxes to cover Insulation will be an additional $8.50
Standard Height = Spigot size + 75mm
Spigots are side entry as standard
Any special height requirements must be noted on your purchase order or standard heights will apply.



Uni Boot Top Entry to Suit Rem/Core (20 mm) 2 & 3 Slot Linear Diffusers

Product Code	Box Size	Price 5mm Rubber	Price 13mm Poly / 10mm Rubber	Price 13mm F/G	Price 25mm F/G	Price 25mm Perf
UB6002T	600 x 105	$36.04	$43.26	$45.13	$48.53	$53.97
UB9002T	900 x 105	$45.47	$54.57	$56.95	$61.45	$68.17
UB10002T	1000 x 105	$56.35	$67.66	$70.55	$76.24	$84.57
UB12002T	1200 x 105	$56.35	$67.66	$70.55	$76.24	$84.57
UB5952T	555 x 105	$36.04	$43.26	$45.14	$48.53	$53.97
UB11952T	1155 x 105	$45.47	$54.57	$56.95	$61.45	$68.17
UB11953T	1155 x 145	$45.47	$54.57	$56.95	$61.45	$68.17

Stepped Linear Boxes to cover Insulation will be an additional $8.50
Spigots are top entry as standard
Standard Height = 150mm



CODE | LB | 9002T | 10 | 5R — Example: LB9002T105R

- LB = Linear Box
  UB = Uni Boot
- Length x 2 Slot Top Entry
  Length x 2 Slot Side Entry
  Length x 3 Slot Top Entry
  Length x 3 Slot Side Entry
- Spigot Size
- 5R = 5mm Rubber Insulation
  13P = 13mm Polyester Insulation
  13F = 13mm Fiberglass Insulation
  25F = 25mm Fiberglass Insulation
  25PERF = 25mm Perforated Insulation

Matching Ancillaries for Removable Core Linear Slot Diffusers

LB	UB	LSPRING	TDBF	TDBM
				
see pg.135	see pg.135	see pg.192	see pg.125	see pg.126

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Ceiling Mounted Grilles

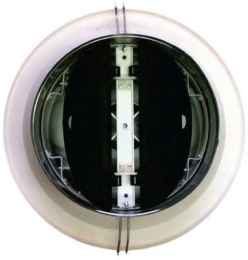
Round Aluminium Ceiling Diffusers c/w Collar & Butterfly Damper

Product Code	Exact Neck Size Metric ØB	Nom. Neck Size Imperial ØB	Face Size Metric ØC	Cut Out Size Metric ØA	Price c/w BFD
RCD6	150	6	300	250	$71.40
RCD8	200	8	350	300	$76.50
RCD10	250	10	400	350	$81.60
RCD12	300	12	450	400	$88.40
RCD14	350	14	490	450	$93.50
Fixing Clips available upon request					



Description

Suitable for supply applications for cooling, heating and isothermal conditions. Suitable for modular ceiling systems. Capable of handling high airflow rates at moderately low pressure drops and noise.

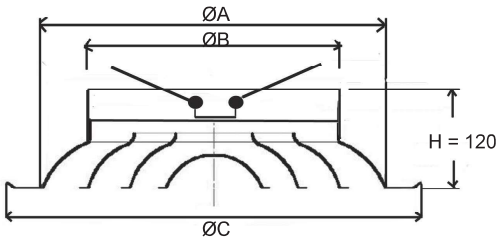


Construction

From spun aluminium, providing long term strength and rigidity. The airflow passages are smooth ensuring quiet and efficient airflow.

Performance Data

Data is based on Isothermal conditions with a room height of 2.7m with the diffuser mounted flush in an unobstructed ceiling without damper fitted. Throws are given at a terminal velocity of 0.25m/s. Noise Ratings are based on a room absorption level of 10db.



Product Code	Performance Data	Units						
RCD6	Air Flow	l/s	25	40	55	70	85	95
	Noise Criteria	NC	<15	<15	19	27	31	36
	Pressure Drop	Pa	6	14	27	43	64	80
	Throw	m	0.4-0.8	0.5-1.2	0.8-1.7	1.0-2.1	1.2-2.5	1.4-2.9
RCD8	Air Flow	l/s	50	75	100	130	155	180
	Noise Criteria	NC	<15	<15	16	25	31	37
	Pressure Drop	Pa	5	12	21	35	50	68
	Throw	m	0.5-1.1	0.8-1.7	1.1-2.2	1.4-2.8	1.8-3.3	1.9-3.9
RCD10	Air Flow	l/s	80	125	165	210	250	290
	Noise Criteria	NC	<15	<15	19	31	37	44
	Pressure Drop	Pa	4	11	19	30	43	58
	Throw	m	0.7-1.4	1.0-2.1	1.4-2.8	1.7-3.5	2.1-4.2	2.4-4.8
RCD12	Air Flow	l/s	120	185	245	310	370	430
	Noise Criteria	NC	<15	16	26	33	39	47
	Pressure Drop	Pa	4	9	17	27	38	51
	Throw	m	0.8-1.7	1.2-2.5	1.5-3.3	2.1-4.2	2.5-4.9	2.8-5.6
RCD14	Air Flow	l/s	220	330	440	550	660	770
	Noise Criteria	NC	<15	<15	17	23	30	39
	Pressure Drop	Pa	3	7	13	20	29	39
	Throw	m	1.1-2.2	1.5-3.2	2.2-4.2	2.7-5.3	3.2-6.5	3.8-7.6

SAMPLE

High Ceiling Round Aluminium Diffusers

Product Code	Exact Neck Size Metric ØA	Face Size Metric ØB	Height Metric H mm	Price
HCD6	150	335	105	$110.50
HCD8	200	423	118	$136.00
HCD10	250	517	130	$187.00
HCD12	300	640	146	$221.00
HCD14	350	730	185	$272.00



Diffusers are aluminium powder coated white as standard

Description

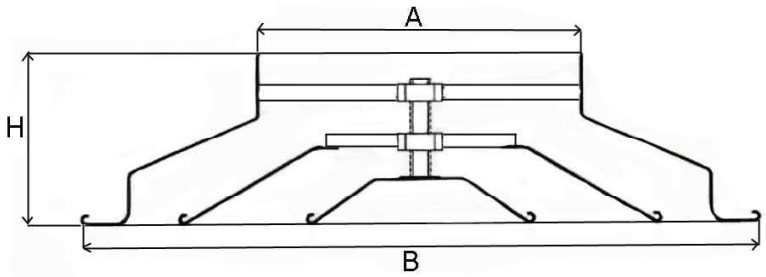
Suitable for high ceiling supply applications for cooling, heating and isothermal conditions. Airflow patterns and throws are altered simply by rotating the inner cones in or out. Suitable for fixed or modular ceiling systems. Capable of handling high airflow rates at moderately low pressure drops and noise.

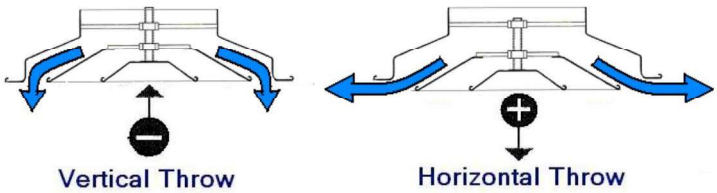
Construction

From spun aluminium, providing long term strength and durability. The airflow passages are smooth ensuring quiet and efficient airflow. The centre cone can be wound up or down to adjust the airflow and throw pattern.

Performance Data

Data is based on Isothermal conditions with a room height of 2.7m with the diffuser mounted flush in an unobstructed ceiling. Throws are given at a terminal velocity of 0.25m/s. Noise Ratings are based on a room absorption level of 10db.





QUICK SELECTION GUIDE FOR HIGH CEILING ROUND ALUMINIUM DIFFUSERS

Selection Table

Product Code	Performance Data	Units	Neck Velocity (m/s)					
			3	4	5	6	7	8
HCD6 20% Open	Air Flow	l/s	53	71	89	106	124	142
	Noise Criteria	NC	16	23	31	34	38	42
	Pressure Drop	Pa	10	18	27	40	54	70
	Vertical Throw	m	1.4	1.8	2.2	2.4	2.8	3.2
HCD6 100% Open	Air Flow	l/s	53	71	89	106	124	142
	Noise Criteria	NC	<15	24	29	32	36	40
	Pressure Drop	Pa	7	13	20	29	39	51
	Horizontal Throw	m	0.8-1.7	1.1-2.0	1.4-2.3	1.6-2.6	1.9-2.9	2.2-3.2
HCD8 20% Open	Air Flow	l/s	94	126	157	189	220	251
	Noise Criteria	NC	21	26	33	37	42	46
	Pressure Drop	Pa	7	13	20	29	40	52
	Vertical Throw	m	1.7	2.2	2.6	3.0	3.4	3.8
HCD8 100% Open	Air Flow	l/s	94	126	157	189	220	251
	Noise Criteria	NC	18	24	30	35	38	42
	Pressure Drop	Pa	5	9	15	21	29	38
	Horizontal Throw	m	1.0-2.0	1.4-2.4	1.7-2.8	2.0-3.2	2.4-3.6	2.8-4.0
HCD10 20% Open	Air Flow	l/s	147	196	246	295	344	393
	Noise Criteria	NC	22	28	35	41	46	51
	Pressure Drop	Pa	15	26	41	59	80	105
	Vertical Throw	m	2.0	2.4	2.8	3.4	3.8	4.2
HCD10 100% Open	Air Flow	l/s	147	196	246	295	344	393
	Noise Criteria	NC	19	25	32	38	42	47
	Pressure Drop	Pa	8	14	22	32	44	58
	Horizontal Throw	m	1.2-2.3	1.7-3.0	2.2-3.6	2.6-4.1	3.0-4.5	3.5-5.1
HCD12 20% Open	Air Flow	l/s	212	283	354	424	495	566
	Noise Criteria	NC	24	31	38	45	53	59
	Pressure Drop	Pa	13	23	37	53	72	94
	Vertical Throw	m	2.4	2.9	3.4	4.0	4.6	5.2
HCD12 100% Open	Air Flow	l/s	212	283	354	424	495	566
	Noise Criteria	NC	22	27	35	42	49	54
	Pressure Drop	Pa	7	13	20	29	39	52
	Horizontal Throw	m	1.7-3.1	2.3-3.7	2.9-4.5	3.5-5.2	3.9-5.8	4.6-6.7
HCD14 20% Open	Air Flow	l/s	289	385	481	577	673	770
	Noise Criteria	NC	27	35	43	51	58	65
	Pressure Drop	Pa	7	12	19	28	38	49
	Vertical Throw	m	2.7	3.3	3.9	4.8	5.6	6.2
HCD14 100% Open	Air Flow	l/s	289	385	481	577	673	770
	Noise Criteria	NC	23	31	38	42	54	61
	Pressure Drop	Pa	4	7	10	15	20	27
	Horizontal Throw	m	2.1-3.7	2.8-4.7	3.5-5.5	4.2-6.3	4.8-7.2	5.5-8.1

SAMPLE

SAJI UNIFLO® Round Diffusers - ABS

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Face Size Metric	Cut Out Size	Pieces/ Carton	Price
RND6	150	6	255	235	10	$14.45
RND8	200	8	320	285	10	$18.02
RND10	250	10	390	355	10	$19.04
RND12	300	12	435	410	5	$28.73

Non-glare mottled white finish
Grilles are complete with snap down fixing clip and dual spring arrangement



SAJI UNIFLO® Insulated Round Diffusers - ABS

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Face Size Metric	Cut Out Size	Pieces/ Carton	Price
IRND6	150	6	255	235	10	$16.15
IRND8	200	8	320	285	10	$19.04
IRND10	250	10	390	355	10	$20.74
IRND12	300	12	435	410	5	$30.43

Non-glare mottled white finish
Grilles are complete with snap down fixing clip and dual spring arrangement



Description

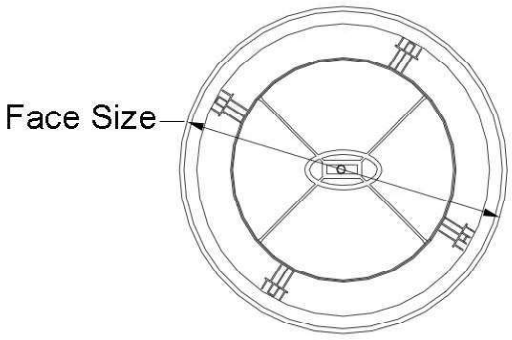
Suitable for supply air applications for cooling, heating and isothermal conditions. Offers a variety of airflow patterns. Suitable for modular ceiling systems.

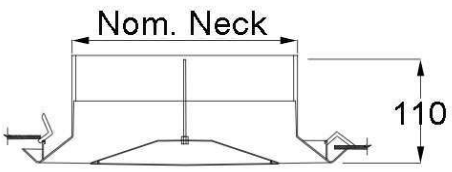
Construction

From A.B.S polymers providing long term strength and rigidity. The airflow passages are smooth ensuring quiet and efficient airflow. The centre cone can be wound up or down to adjust the airflow and throw pattern.

Performance Data

Data is based on Isothermal conditions with a room height of 2.7m with the diffuser mounted flush in an unobstructed ceiling. Throws are given at a terminal velocity of 0.25m/s. Data is tabulated with the centre cone in two test positions 20% and 100% open respectively. Noise Ratings are based on a room absorption level of 10db.





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QUICK SELECTION GUIDE FOR ROUND ABS DIFFUSERS

Product Code	Performance Data	Units						
RND6/ IRND6 20% Open	Air Flow	l/s	15	30	45	60	75	90
	Noise Criteria	NC	<15	16	17	20	24	29
	Pressure Drop	Pa	9	38	85	151	237	341
	Throw	m	1.0	1.3	1.7	2.0	2.4	2.8
RND6/ IRND6 100% Open	Air Flow	l/s	15	30	45	60	75	90
	Noise Criteria	NC	<15	16	18	21	25	30
	Pressure Drop	Pa	2	8	18	31	49	70
	Throw	m	0.5	1.0	1.3	1.6	2.0	2.4
RND8/ IRND8 20% Open	Air Flow	l/s	25	50	75	100	125	150
	Noise Criteria	NC	<15	<15	21	33	41	55
	Pressure Drop	Pa	6	25	56	100	156	224
	Throw	m	1.3	1.6	2.0	2.3	2.6	3.0
RND8/ IRND8 100% Open	Air Flow	l/s	25	50	75	100	125	150
	Noise Criteria	NC	<15	<15	<15	15	19	26
	Pressure Drop	Pa	1	5	12	21	32	46
	Throw	m	0.7	1.2	1.6	2.0	2.3	2.6
RND10/ IRND10 20% Open	Air Flow	l/s	40	80	120	160	200	240
	Noise Criteria	NC	<15	<15	19	31	37	43
	Pressure Drop	Pa	5	21	47	84	131	188
	Throw	m	1.5	2.0	2.4	2.9	3.4	3.9
RND10/ IRND10 100% Open	Air Flow	l/s	40	80	120	160	200	240
	Noise Criteria	NC	<15	<15	<15	<15	16	22
	Pressure Drop	Pa	1	4	10	17	27	39
	Throw	m	0.8	1.5	1.9	2.4	2.8	3.2
RND12/ IRND12 20% Open	Air Flow	l/s	60	120	180	240	300	360
	Noise Criteria	NC	<15	<15	16	26	33	39
	Pressure Drop	Pa	5	19	43	76	119	171
	Throw	m	1.6	2.2	2.8	3.3	3.8	4.3
RND12/ IRND12 100% Open	Air Flow	l/s	60	120	180	240	300	360
	Noise Criteria	NC	<15	<15	<15	<15	15	20
	Pressure Drop	Pa	1	4	9	16	24	35
	Throw	m	0.7	1.6	2.3	2.7	3.2	3.6

SAMPLE ONLY

SAJI JETFLO® Diffusers - ABS

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Cut Out Size	Pieces/ Carton	Price
JF6	150	6	205	10	$10.03
JF8	200	8	260	10	$14.11
JF10	250	10	305	10	$21.25



SAJI JETFLO® Product Features:

Suitable for heating, cooling and exhaust applications
From A.B.S polymers providing long term strength and rigidity
SAJI JETFLO® comes complete with the twin spring clip arrangement found on the round ceiling diffusers
In keeping with the SAJI UNIFLO® Round Ceiling Diffuser and SAJI MULTIFLO®, the SAJI JETFLO® Diffuser will be finished in the non-glare mottled white finish
To aid in the balancing of the system SAJI JETFLO® has an easily adjustable butterfly damper which can be adjusted from the face of the grille using a simple push-in dial

Circular Heritage Outlets - ABS

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Face Size Metric	Cut Out Size	Price
CH06	150	6	240	180	$25.92
CHO8	200	8	285	260	$29.75
CHO10	250	10	340	315	$33.21
CHO12	300	12	390	365	$36.97



Ceiling Mounted Grilles

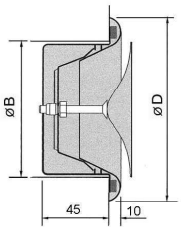
Supply Metal Valves

Product Code	Exact Neck Metric - ØB	Nom. Neck Imperial	Face Size Metric - ØD	Price
MVS4	100	4	140	$17.00
MVS5	125	5	165	$21.25
MVS6	150	6	200	$25.50
MVS8	200	8	250	$29.75
Grilles are powder coated white as standard				



Description

Suitable for supply air applications for cooling, heating and isothermal conditions. Offers a variety of airflow patterns. Suitable for modular ceiling or duct systems. Capable of handling moderate airflow rates at moderately low pressure drops and noise.

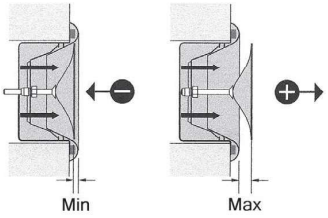


Construction

Supply Metal Valves constructed from steel with mounting ring, providing long term strength and rigidity. The airflow passages are smooth ensuring quiet and efficient airflow. The centre cone can be wound up or down to adjust the airflow and discharge pattern.

Performance Data

Data is based on Isothermal conditions with a room height of 2.7m with the diffuser mounted flush in an unobstructed ceiling. Pressure drops and Noise levels are tabulated with the adjustable centre cone of the valve at both 20% open and at 100% open. Noise Ratings are based on a room absorption level of 10db



Product Code	Performance Data	Units						
MVS4 20% Open	Air Flow	l/s	20	25	30	35	40	45
	Noise Criteria	NC	21	25	31	34	37	40
	Pressure Drop	Pa	15	24	35	47	62	78
MVS4 100% Open	Air Flow	l/s	20	25	30	35	40	45
	Noise Criteria	NC	18	22	24	28	34	38
	Pressure Drop	Pa	12	19	27	37	48	61
MVS5 20% Open	Air Flow	l/s	25	30	35	40	45	50
	Noise Criteria	NC	21	24	29	33	36	39
	Pressure Drop	Pa	22	32	44	57	73	90
MVS5 100% Open	Air Flow	l/s	25	30	35	40	45	50
	Noise Criteria	NC	17	21	23	27	32	36
	Pressure Drop	Pa	14	20	27	35	45	55
MVS6 20% Open	Air Flow	l/s	30	35	40	45	50	55
	Noise Criteria	NC	20	23	27	31	34	37
	Pressure Drop	Pa	30	40	53	67	83	100
MVS6 100% Open	Air Flow	l/s	30	35	40	45	50	55
	Noise Criteria	NC	15	20	22	26	29	32
	Pressure Drop	Pa	12	17	22	28	34	42
MVS8 20% Open	Air Flow	l/s	35	40	45	50	55	60
	Noise Criteria	NC	18	21	25	28	32	35
	Pressure Drop	Pa	37	48	61	76	91	109
MVS8 100% Open	Air Flow	l/s	35	40	45	50	55	60
	Noise Criteria	NC	<15	18	20	24	27	30
	Pressure Drop	Pa	9	12	15	18	22	26

SAJ TM

Ceiling Mounted Grilles

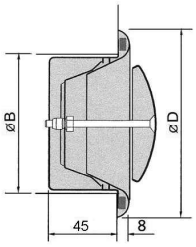
Exhaust Metal Valves

Product Code	Exact Neck Metric - ØB	Nom. Neck Imperial	Face Size Metric - ØD	Price
MVE4	100	4	140	$17.00
MVE5	125	5	165	$21.25
MVE6	150	6	200	$25.50
MVE8	200	8	250	$29.75
Grilles are powder coated white as standard				



Description

Suitable for exhaust air applications for isothermal conditions. Capable of handling variable airflow rates at moderately low pressure drops and noise.

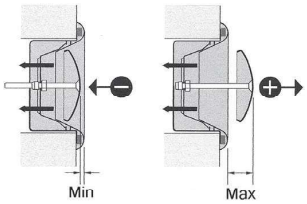


Construction

Exhaust Metal Valves constructed from steel with mounting ring, providing long term strength and rigidity. The airflow passages are smooth ensuring quiet and efficient airflow. The centre cone can be wound up or down to adjust the airflow required to specific conditions and applications.

Performance Data

Data is based on Isothermal conditions with a room height of 2.7m with the diffuser mounted flush in an unobstructed ceiling. Pressure drops and Noise levels are tabulated with the adjustable centre cone of the valve at both 20% open and at 100% open. Noise Ratings are based on a room absorption level of 10db



Product Codes	Performance Data	Units						
MVE4 20% Open	Air Flow	l/s	20	25	30	35	40	45
	Noise Criteria	NC	<15	20	23	27	31	40
	Pressure Drop	Pa	8	13	18	25	33	41
MVE4 100% Open	Air Flow	l/s	20	25	30	35	40	45
	Noise Criteria	NC	<15	15	18	20	24	28
	Pressure Drop	Pa	3	5	8	10	13	17
MVE5 20% Open	Air Flow	l/s	20	30	40	50	60	70
	Noise Criteria	NC	<15	18	26	33	37	45
	Pressure Drop	Pa	8	17	30	47	68	92
MVE5 100% Open	Air Flow	l/s	20	30	40	50	60	70
	Noise Criteria	NC	<15	17	21	28	35	44
	Pressure Drop	Pa	2	6	10	15	22	30
MVE6 20% Open	Air Flow	l/s	30	40	50	60	70	80
	Noise Criteria	NC	16	18	24	31	36	43
	Pressure Drop	Pa	16	28	43	63	85	111
MVE6 100% Open	Air Flow	l/s	30	40	50	60	70	80
	Noise Criteria	NC	<15	16	20	24	34	42
	Pressure Drop	Pa	3	6	10	14	19	25
MVE8 20% Open	Air Flow	l/s	40	50	60	70	80	90
	Noise Criteria	NC	17	23	29	33	41	45
	Pressure Drop	Pa	25	40	57	78	102	129
MVE8 100% Open	Air Flow	l/s	40	50	60	70	80	90
	Noise Criteria	NC	<15	15	17	20	22	26
	Pressure Drop	Pa	3	5	7	10	13	16

SAMPLE

Ceiling Mounted Grilles

Stainless Steel Valves

Product Code	Exact Neck Metric	Nom. Neck Imperial	Face Size Metric	Spigot Dia	Spigot Length	Cut Out Size	Price
SSV4	100	4	140	98	52	105	$51.00
SSV5	125	5	172	120	52	130	$61.20
SSV6	150	6	220	145	62	150	$74.80

Manufactured from a high quality 304 grade stainless steel
Designed for internal extraction



Eggcrate Round Diffusers - Plastic

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Cut Out Size	Pieces/ Carton	Price
ERND6	150	6	235	10	$16.66
ERND8	200	8	285	10	$22.10

High glossy white finish; Connects straight onto the flexible duct; Front adjustment

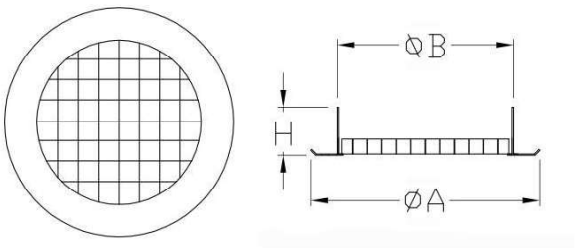


Round Aluminium Eggcrate Grilles

Product Code	Nom. Neck Metric ØB	Nom. Neck Imperial ØB	Face Size Metric ØA	Height Metric H	Price
EGR6	150	6	205	40	$20.40
EGR8	200	8	255	40	$22.10
EGR10	250	10	305	40	$25.50
EGR12	300	12	355	40	$40.80

Grilles are aluminium powder coated white as standard





Product Code	Core Area (m²)	Core Velocity (m/s)	1.5	2	2.5	3	3.5	4	4.5	5	6
		Pressure Drop (Pa)	0.76	1.35	2.1	3.03	4.12	5.38	6.81	8.41	12.1
EGR6	0.014	Flow Rate (l/s)	20	27	34	41	47	54	61	68	81
		NC Level	<15	<15	<15	18	22	25	28	31	36
EGR8	0.025	Flow Rate (l/s)	38	50	63	76	88	101	113	126	151
		NC Level	<15	<15	<15	19	23	26	29	32	37
EGR10	0.041	Flow Rate (l/s)	61	81	101	122	142	162	182	203	243
		NC Level	<15	<15	16	19	24	26	30	33	38
EGR12	0.059	Flow Rate (l/s)	89	119	149	178	208	238	267	297	356
		NC Level	<15	<15	16	20	25	27	30	34	39

SAMPLE

Ceiling Mounted Grilles

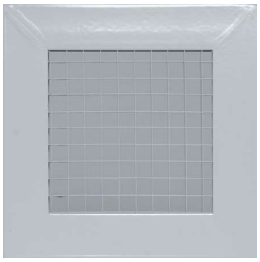
Fixed Core Eggcrate Grilles

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Pieces/Carton	Price
EG66	150 x 150	6 x 6	40	$12.24
EG88	200 x 200	8 x 8	20	$15.72
EG99	225 x 225	9 x 9	10	$21.42
EG1010	250 x 250	10 x 10	10	$23.80
EG1212	300 x 300	12 x 12	10	$27.03
EG2412	600 x 300	24 x 12	5	$40.54
EG1414	350 x 350	14 x 14	10	$32.98
EG1616	400 x 400	16 x 16	5	$39.78
EG2416	600 x 400	24 x 16	5	$42.92
EG1818	450 x 450	18 x 18	10	$42.92
EG2020	500 x 500	20 x 20	5	$45.39
EG2424	600 x 600	24 x 24	5	$54.91
EG4824	1200 x 600	48 x 24	5	$110.50
EG	*Any size available on request*			POA
Grilles are aluminium powder coated white as standard				

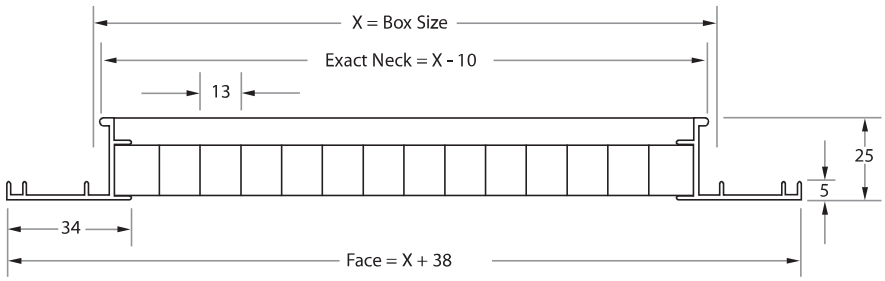


Fixed Core Lay-In Eggcrate Grilles

Product Code	Face Size Metric	Nom. Neck Metric	Pieces/ Carton	Price
EG395F	395 x 395 Face	350 x 350	5	$36.55
EG595295F	595 x 295 Face	550 x 250	5	$40.97
EG595395F	595 x 395 Face	550 x 350	5	$47.60
EG595F	595 x 595 Face	550 x 550	5	$51.42
EG605F	605 x 605 Face	560 x 560	5	$58.65
EG1195595F	1195 x 595 Face	1150 x 550	5	$94.09
EG1210605F	1210 x 605 Face	1165 x 560	5	$108.80
EG	*Any size available on request*			POA
Grilles are aluminium powder coated white as standard				



Note: 35 deg. Eggcrate Grilles available upon request.



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Fixing Clip Reducing Neck to Suit Fixed Core Eggcrate Grilles

Product Code	Possible Spigot Sizes Imperial	Nom. Neck Metric	Nom. Neck Imperial	Price Plain Neck	Price Neck c/w BFD
FCE66	4"→6"	150 x 150	6 x 6	$14.70	$19.98
FCE88	4"→8"	200 x 200	8 x 8	$14.70	$19.98
FCE99	6"→8"	225 x 225	9 x 9	$14.70	$19.98
FCE1010	6"→10"	250 x 250	10 x 10	$14.70	$19.98
FCE1212	6"→12"	300 x 300	12 x 12	$14.70	$19.98
FCE2412	6"→18"	600 x 300	24 x 12	$14.70	$19.98
FCE1414	6"→14"	350 x 350	14 x 14	$14.70	$19.98
FCE1616	6"→16"	400 x 400	16 x 16	$14.70	$19.98
FCE2416	6"→18"	600 x 400	24 x 16	$16.74	$22.02
FCE1818	6"→18"	450 x 450	18 x 18	$16.74	$22.02
FCE2020	6"→20"	500 x 500	20 x 20	$16.74	$22.02
FCE2424	6"→24"	600 x 600	24 x 24	$16.74	$22.02

Any size available on request
All Reducing Necks are sprayed black as standard



CODE FCE | 1212 | 10 | BFD — Example FCE121210BFD

- FCE = Fixing Clip Eggcrate Neck
- Neck Size
- Spigot Size
- Butterfly Damper if Required

Fixed Core Eggcrate Grilles c/w Fixing Clip Reducing Necks

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Spigot Size Metric	Spigot Size Imperial	Price
FCEG664	150 x 150	6 x 6	100	4	$26.94
FCEG665	150 x 150	6 x 6	125	5	$26.94
FCEG666	150 x 150	6 x 6	150	6	$26.94
FCEG666BFD	150 x 150	6 x 6	150	6	$32.22
FCEG886	200 x 200	8 x 8	150	6	$30.43
FCEG886BFD	200 x 200	8 x 8	150	6	$35.70
FCEG888	200 x 200	8 x 8	200	8	$30.43
FCEG888BFD	200 x 200	8 x 8	200	8	$35.70
FCEG10108	250 x 250	10 x 10	200	8	$38.50
FCEG101010	250 x 250	10 x 10	250	10	$38.50
FCEG12128	300 x 300	12 x 12	200	8	$41.73
FCEG121210	300 x 300	12 x 12	250	10	$41.73
FCEG121212	300 x 300	12 x 12	300	12	$41.73

Grilles are aluminium powder coated white as standard
All Reducing Necks are sprayed black as standard



Reducing Neck (without clips) to Suit Lay-In Fixed Core Eggcrate Grilles

Product Code	Possible Spigot Sizes Imperial	Nom. Neck Metric	Nom. Neck Imperial	Price Plain Neck	Price Neck c/w BFD
RN395F	6"→14"	350 x 350	14 x 14	$13.00	$19.97
RN595295F	6"→16"	550 x 250	22 x 10	$13.00	$19.97
RN595395F	6"→18"	550 x 350	22 x 14	$13.00	$19.97
RN595F	6"→22"	550 x 550	22 x 22	$13.00	$19.97
RN605F	6"→22"	560 x 560	N/A	$13.00	$19.97
RN1195595F	1 spigot: 6"→24" 2 spigots: 20" max.	1150 x 550	46 x 22	$30.60	$42.50
RN1200605F	1 spigot: 6"→24" 2 spigots: 20" max.	1165 x 560	N/A	$30.60	$42.50



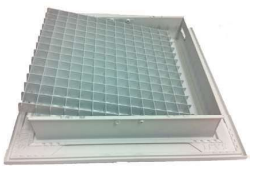
All Reducing Necks are sprayed black as standard

Matching Ancillaries for Fixed Core Eggcrate Grilles

CB	OBD	FCE	RN	TDBF	TDBM
					
see pg.137-140	see pg.118-119	see pg.45	see pg.46	see pg.125	see pg.126

Loose Core Eggcrate Grilles

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Price
LCEG66	150 x 150	6 x 6	$12.24
LCEG88	200 x 200	8 x 8	$15.72
LCEG99	225 x 225	9 x 9	$21.42
LCEG1010	250 x 250	10 x 10	$23.80
LCEG1212	300 x 300	12 x 12	$27.03
LCEG2412	600 x 300	24 x 12	$40.54
LCEG1414	350 x 350	14 x 14	$32.98
LCEG1616	400 x 400	16 x 16	$39.78
LCEG2416	600 x 400	24 x 16	$42.92
LCEG1818	450 x 450	18 x 18	$45.39
LCEG2020	500 x 500	20 x 20	$50.57
LCEG2424	600 x 600	24 x 24	$54.91
LCEG4824	1200 x 600	48 x 24	$110.50
LCEG	*Any size available on request*		POA

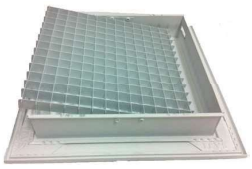


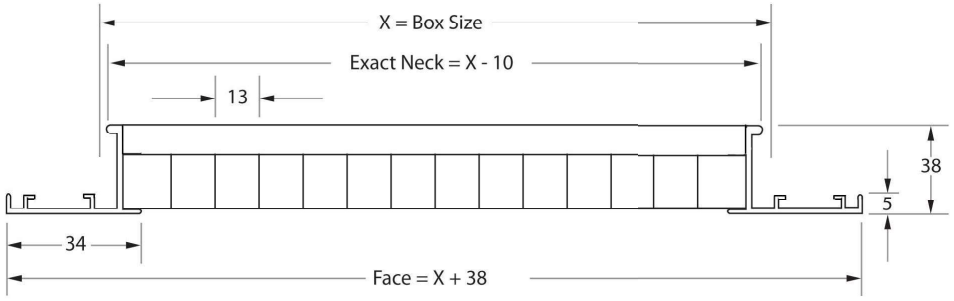
Grilles are aluminium powder coated white as standard

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Loose Core Lay-In Eggcrate Grilles

Product Code	Face Size Metric	Nom. Neck Metric	Price
LCEG395F	395 x 395 Face	350 x 350	$36.55
LCEG595295F	595 x 295 Face	550 x 250	$40.97
LCEG595395F	595 x 395 Face	550 x 350	$47.60
LCEG595F	595 x 595 Face	550 x 550	$51.42
LCEG605F	605 x 605 Face	560 x 560	$58.65
LCEG1195595F	1195 x 595 Face	1150 x 550	$94.09
LCEG1210605F	1210 x 605 Face	1165 x 560	$108.80
LCEG	*Any size available on request*		POA
Grilles are aluminium powder coated white as standard			





Loose Core Eggcrate Grilles c/w Fixing Clip Reducing Necks

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Spigot Size Metric	Spigot Size Imperial	Price
FCLCEG666	150 x 150	6 x 6	150	6"	$26.94
FCLCEG886	200 x 200	8 x 8	150	6"	$30.43
FCLCEG888	200 x 200	8 x 8	200	8"	$30.43
Grilles are aluminium powder coated white as standard					



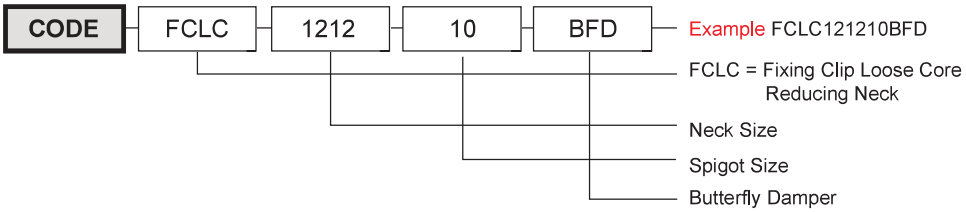
Matching Ancillaries for Loose Core Eggcrate Grilles

CB	OBD	FCLC	RN	LSPRING	TDBF	TDBM
						
see pg.137-140	see pg.118-119	see pg.48	see pg.46	see pg.192	see pg.125	see pg.126

Fixing Clip Reducing Neck to Suit Loose Core Eggcrate Grilles

Product Code	Possible Spigot Sizes Imperial	Suites This Grille	Nom. Neck Metric	Nom. Neck Imperial	Price Plain Neck	Price Neck c/w BFD
FCLC66	4"→6"	LCEG66	150 x 150	6 x 6	$14.70	$19.97
FCLC88	4"→8"	LCEG88	200 x 200	8 x 8	$14.70	$19.97
FCLC99	6"→8"	LCEG99	225 x 225	9 x 9	$14.70	$19.97
FCLC1010	6"→10"	LCEG1010	250 x 250	10 x 10	$14.70	$19.97
FCLC1212	6"→12"	LCEG1212	300 x 300	12 x 12	$14.70	$19.97
FCLC2412	6"→16"	LCEG2412	600 x 300	24 x 12	$14.70	$19.97
FCLC1414	6"→14"	LCEG1414	350 x 350	14 x 14	$14.70	$19.97
FCLC1616	6"→16"	LCEG1616	400 x 400	16 x 16	$14.70	$19.97
FCLC2416	6"→18"	LCEG2416	600 x 400	24 x 16	$16.74	$22.00
FCLC1818	6"→18"	LCEG1818	450 x 450	18 x 18	$16.74	$22.00
FCLC2020	6"→18"	LCEG2020	500 x 500	20 x 20	$16.74	$22.00
FCLC2424	6"→24"	LCEG2424	600 x 600	24 x 24	$16.74	$22.00
FCLCEG	*Any size available on request*					
All Reducing Necks are sprayed black as standard						





Reducing Neck (without clips) to Suit Lay-In Loose Core Eggcrate Grilles

Product Code	Possible Spigot Sizes Imperial	Nom. Neck Metric	Nom. Neck Imperial	Price Plain Neck	Price Neck c/w BFD
RN395F	6"→14"	350 x 350	14 x 14	$13.00	$19.97
RN595295F	6"→16"	550 x 250	22 x 10	$13.00	$19.97
RN595395F	6"→18"	550 x 350	22 x 14	$13.00	$19.97
RN595F	6"→22"	550 x 550	22 x 22	$13.00	$19.97
RN605F	6"→22"	560 x 560	N/A	$13.00	$19.97
All Reducing Necks are sprayed black as standard					



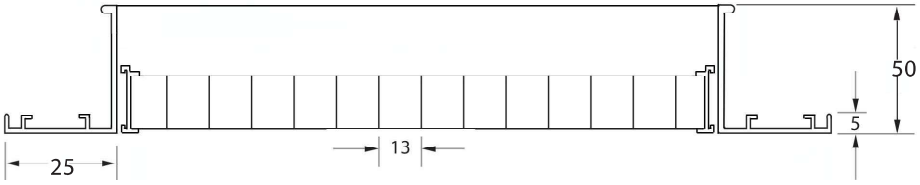
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Removable Core Eggcrate Grilles

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Face Size Metric	Act. Neck Metric	Price
RCEG66	150 x 150	6 x 6	180 x 180	140 x 140	$17.00
RCEG88	200 x 200	8 x 8	230 x 230	190 x 190	$22.95
RCEG1010	250 x 250	10 x 10	280 x 280	240 x 240	$29.75
RCEG1212	300 x 300	12 x 12	330 x 330	290 x 290	$34.00
RCEG1414	350 x 350	14 x 14	380 x 380	340 x 340	$40.80
RCEG1616	400 x 400	16 x 16	430 x 430	390 x 390	$49.30
RCEG1818	450 x 450	18 x 18	480 x 480	440 x 440	$56.10
RCEG2020	500 x 500	20 x 20	530 x 530	490 x 490	$62.90
RCEG595F	560 x 560	22 x 22	595 x 595	555 x 555	$64.60
RCEG1195595F	1160 x 560	46 x 22	1195 x 595	1155 x 555	$110.50

Grilles are aluminium powder coated white as standard



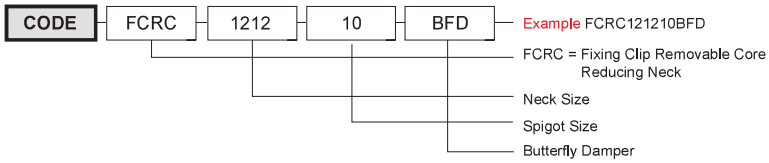


Fixing Clip Reducing Neck to Suit Removable Core Eggcrate Grilles

Product Code	Possible Spigot Sizes	Suites This Grilles	Nom. Neck Metric	Nom. Neck Imperial	Price Plain Neck	Price Neck c/w BFD
FCRC66	4"→6"	RCEG66	150 x 150	6 x 6	$14.70	$19.97
FCRC88	4"→8"	RCEG88	200 x 200	8 x 8	$14.70	$19.97
FCRC1010	6"→10"	RCEG1010	250 x 250	10 x 10	$14.70	$19.97
FCRC1212	6"→12"	RCEG1212	300 x 300	12 x 12	$14.70	$19.97
FCRC1414	6"→14"	RCEG1414	350 x 350	14 x 14	$14.70	$19.97
FCRC1616	6"→16"	RCEG1616	400 x 400	16 x 16	$14.70	$19.97
FCRC1818	6"→18"	RCEG1818	450 x 450	18 x 18	$16.74	$22.00
FCRC2020	6"→20"	RCEG2020	500 x 500	20 x 20	$16.74	$22.00

All Reducing Necks are sprayed black as standard

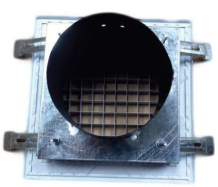




Removable Core Eggcrate Grilles c/w Fixing Clip Reducing Neck

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Spigot Size Metric	Spigot Size Imperial	Price
FCRCEG666	150 x 150	6 x 6	150	6	$31.70
FCRCEG886	200 x 200	8 x 8	150	6	$37.65
FCRCEG888	200 x 200	8 x 8	200	8	$37.65

Grilles are aluminium powder coated white as standard
All Reducing Necks are sprayed black as standard



Ceiling Mounted Grilles

Hinged Eggcrate Grilles c/w Filter

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Price
HERAG88	200 x 200	8 x 8	$30.60
HERAG1010	250 x 250	10 x 10	$41.65
HERAG1212	300 x 300	12 x 12	$39.27
HERAG1612	400 x 300	16 x 12	$47.09
HERAG2412	600 x 300	24 x 12	$59.16
HERAG1414	350 x 350	14 x 14	$43.18
HERAG1614	400 x 350	16 x 14	$48.45
HERAG1616	400 x 400	16 x 16	$51.00
HERAG2016	500 x 400	20 x 16	$54.40
HERAG2416	600 x 400	24 x 16	$60.69
HERAG2816	700 x 400	28 x 16	$83.64
HERAG3016	750 x 400	30 x 16	$71.74
HERAG3616	900 x 400	36 x 16	$83.38
HERAG4016	1000 x 400	40 x 16	$104.55
HERAG4816	1200 x 400	48 x 16	$108.80
HERAG1818	450 x 450	18 x 18	$58.82
HERAG2418	600 x 450	24 x 18	$76.50
HERAG3018	750 x 450	30 x 18	$83.64
HERAG3618	900 x 450	36 x 18	$94.09
HERAG2020	500 x 500	20 x 20	$63.41
HERAG2420	600 x 500	24 x 20	$83.64
HERAG2820	700 x 500	28 x 20	$90.95
HERAG3020	750 x 500	30 x 20	$83.64
HERAG3220	800 x 500	32 x 20	$94.00
HERAG3620	900 x 500	36 x 20	$96.22
HERAG4020	1000 x 500	40 x 20	$108.80
HERAG2422	600 x 550	24 x 22	$87.55
HERAG2622	650 x 550	26 x 22	$92.65
HERAG2822	700 x 550	28 x 22	$95.88
HERAG3022	750 x 550	30 x 22	$85.34
HERAG3622	900 x 550	36 x 22	$102.51
HERAG2424	600 x 600	24 x 24	$83.81
HERAG3024	750 x 600	30 x 24	$96.90
HERAG3224	800 x 600	32 x 24	$100.64
HERAG3624	900 x 600	36 x 24	$114.41
HERAG4824	1200 x 600	48 x 24	$147.56
HERAG3226	800 x 650	32 x 26	$108.80
HERAG	*Any size available on request*		POA



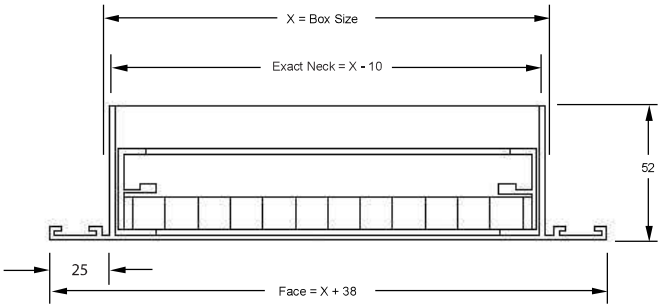
Grilles are aluminium powder coated white as standard
All standard return air grilles with filter come standard with removable core
All hinged return air grilles are hinged on the short side

Hinged Eggcrate Grilles c/w Filter

Product Code	Face Size Metric	Nom. Neck Metric	Price
HERAG595295F	595 x 295 Face	550 x 250	$49.30
HERAG595F	595 x 595 Face	550 x 550	$74.63
HERAG605F	605 x 605 Face	560 x 560	$93.50
HERAG1195595F	1195 x 595 Face	1150 x 550	$127.50
HERAG1210605F	1210 x 605 Face	1165 x 560	$142.80
HERAG	*Any size available on request*		POA

Grilles are aluminium powder coated white as standard
All standard return air grilles with filter come standard with removable core
All hinged return air grilles are hinged on the short side





Hinged Eggcrate Grilles c/w Electrostatic Filter

Product Code	Face Size Metric	Nom. Neck Metric	Nom. Neck Imperial	Price
EFHERAG2016	N/A	500 x 400	20 x 16	$54.40
EFHERAG2416	N/A	600 x 400	24 x 16	$60.69
EFHERAG3016	N/A	750 x 400	30 x 16	$71.74
EFHERAG3616	N/A	900 x 400	36 x 16	$83.38
EFHERAG4016	N/A	1000 x 400	40 x 16	$91.46
EFHERAG4816	N/A	1200 x 400	48 x 16	$97.58
EFHERAG3618	N/A	900 x 450	36 x 18	$94.09
EFHERAG595F	595 x 595	N/A	N/A	$74.63
EFHERAG1195595F	1195 x 595	N/A	N/A	$127.50

Grilles are aluminium powder coated white as standard
All standard return air grilles with electrostatic filter come standard with removable core
All hinged return air grilles with electrostatic filter are hinged on the long side



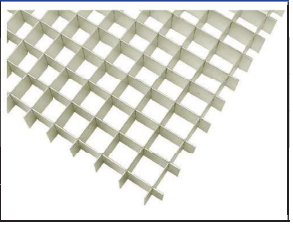
Matching Ancillaries for Hinged Eggcrate Grilles c/w Filter

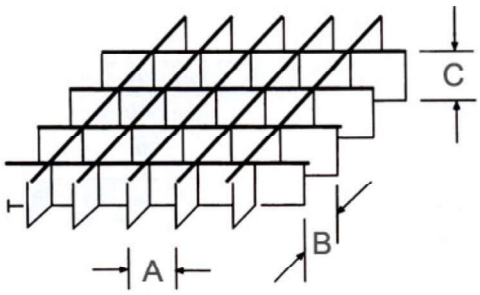
RAB	RABS	TDBF	TDBM
			
see pg.133	see pg.133	see pg.125	see pg.126

Ceiling Mounted Grilles

Eggcrate Core Only

Product Code	Exact Size	Finish	Price
ECC595W	595 x 595	White	$38.25
ECC1195595W	1195 x 595	White	$76.50
ECC1220M	1220 x 1220	Mill	$89.25
ECC1220W	1220 x 1220	White	$110.50





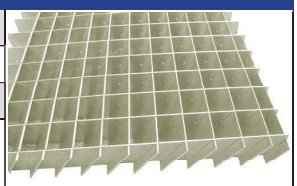
A12.7MM

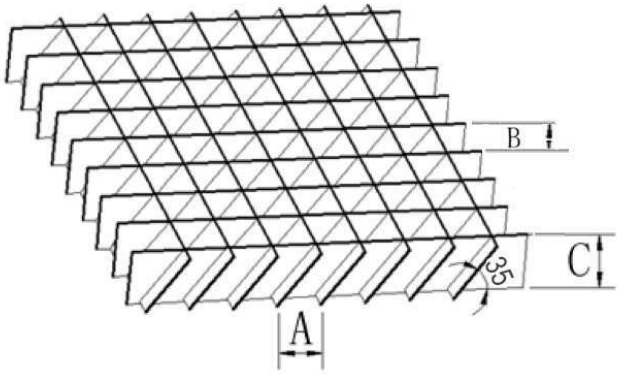
B12.7MM

C12.7MM

Non - Vision Eggcrate Core Only 35 Deg.

Product Code	Exact Size	Finish	Price
ECC351220M (35 Deg)	1220 x 1220	Mill	$187.00
ECC351220W (35 Deg)	1220 x 1220	White	$238.00





A12.7MM

B12.7MM

C12.7MM

QUICK SELECTION GUIDE FOR EGGCRATE GRILLES

Description

Suitable for handling large air volumes, eggcrate grilles are ideal as intakes to air handling units, and for areas where high changeover rates are required. A 90% free area makes eggcrate grilles the most efficient grilles available for return air applications.

Construction

The frame is manufactured from extruded aluminium with hairline mitred joints mechanically held, while the core is held in by the unique frame design. The core is aluminium and can be offered as either fixed, loose, removable or hinged. Eggcrates are powder coated white as standard. Matching Opposed Blade Dampers are also available constructed from extruded aluminium.

Performance Data

Data is based on Isothermal conditions with the grille installed into an unobstructed sidewall and at a height of 1.2m from the floor level. Noise Ratings are based on a room absorption level of 10db. Data is based on grilles without additional filters.

Nom.Neck (mm)	Equivalent Sizes (mm)	Core Area (m^2)	Core Velocity (m/s)	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0
			Pressure Drop (Pa)	1	3	4	6	8	10	13	16	23
150x150	225x100	0.020	Flow Rate (l/s)	30	41	51	61	71	81	91	101	122
			NC Level	<15	<15	<15	19	23	26	29	32	37
200x150	250x125 300x100	0.027	Flow Rate (l/s)	41	54	68	81	95	108	122	135	162
			NC Level	<15	<15	<15	19	23	26	29	32	37
250x150	300x125 400x100	0.034	Flow Rate (l/s)	51	68	84	101	118	135	152	169	203
			NC Level	<15	<15	16	19	23	26	29	32	37
200x200	350x125	0.036	Flow Rate (l/s)	54	72	90	108	126	144	162	180	216
			NC Level	<15	<15	16	19	23	26	30	33	38
300x150	450x100	0.041	Flow Rate (l/s)	61	81	101	122	142	162	182	203	243
			NC Level	<15	<15	16	19	24	26	30	33	38
300x200	400x150 600x100	0.054	Flow Rate (l/s)	81	108	135	162	189	216	243	270	324
			NC Level	<15	<15	16	20	24	27	30	33	38
250x250	350x175 650x100	0.056	Flow Rate (l/s)	84	113	141	169	197	225	253	281	338
			NC Level	<15	<15	16	20	24	27	30	34	39
450x150	350x200 750x100 700x100	0.061	Flow Rate (l/s)	91	122	152	182	213	243	273	304	365
			NC Level	<15	<15	16	20	25	27	30	34	39
300x250	400x200 500x200 600x125	0.068	Flow Rate (l/s)	101	135	169	203	236	270	304	338	405
			NC Level	<15	<15	16	20	25	27	31	35	39
300x300	350x250 600x150 450x200 950x100	0.081	Flow Rate (l/s)	122	162	203	243	284	324	365	405	486
			NC Level	<15	<15	16	21	25	28	31	35	40
350x350	400x300 600x200 500x250 850x150	0.110	Flow Rate (l/s)	165	221	276	331	386	441	496	551	662
			NC Level	<15	<15	17	21	26	28	31	35	40
450x300	400x350 700x200 550x250 950x150	0.122	Flow Rate (l/s)	182	243	304	365	425	486	547	608	729
			NC Level	<15	<15	17	21	26	28	31	36	41
600x250	500x300 750x200	0.135	Flow Rate (l/s)	203	270	338	405	473	540	608	675	810
			NC Level	<15	<15	17	22	26	28	32	36	41
400x400	400x350 750x200 550x300	0.144	Flow Rate (l/s)	216	288	360	432	504	576	648	720	864
			NC Level	<15	<15	17	22	26	29	32	37	42
600x300	450x400 750x250 500x350 900x200	0.162	Flow Rate (l/s)	243	324	405	486	567	648	729	810	972
			NC Level	<15	<15	17	22	26	29	32	37	42
450x450	500x400 700x300 600x350 800x250	0.182	Flow Rate (l/s)	273	365	456	547	638	729	820	911	1094
			NC Level	<15	<15	17	22	27	29	33	38	43
750x300	500x450 650x350 550x400 900x250	0.203	Flow Rate (l/s)	304	405	506	608	709	810	911	1013	1215
			NC Level	<15	<15	17	22	27	29	33	38	43
500x500	600x450 750x350 650x400 900x300	0.225	Flow Rate (l/s)	338	450	563	675	788	900	1013	1125	1350
			NC Level	<15	<15	17	23	27	30	33	38	44
550x550	600x500 750x400 650x450 900x350	0.272	Flow Rate (l/s)	408	545	681	817	953	1089	1225	1361	1634
			NC Level	<15	<15	17	23	27	30	34	39	44
750x450	600x550 1000x350 850x400	0.304	Flow Rate (l/s)	456	608	759	911	1063	1215	1367	1519	1823
			NC Level	<15	<15	17	23	27	30	34	39	45
600x600	650x550 800x450 700x500 900x400	0.324	Flow Rate (l/s)	486	648	810	972	1134	1296	1458	1620	1944
			NC Level	<15	15	17	24	28	31	35	39	45
900x450	800x500 1150x350 1000x400	0.365	Flow Rate (l/s)	547	729	911	1094	1276	1458	1640	1823	2187
			NC Level	<15	16	17	24	28	32	35	40	45
650x650	700x600 1200x350	0.380	Flow Rate (l/s)	570	761	951	1141	1331	1521	1711	1901	2282
			NC Level	<15	16	17	24	28	32	35	40	46
750x600	700x650 900x500 800x550 1000x450	0.405	Flow Rate (l/s)	608	810	1013	1215	1418	1620	1823	2025	2430
			NC Level	<15	16	18	25	28	32	36	41	46
700x700	750x650 1000x500 850x550	0.441	Flow Rate (l/s)	662	882	1103	1323	1544	1764	1985	2205	2646
			NC Level	<15	17	18	25	29	33	37	41	47
900x600	750x700 1100x500 1000x550	0.486	Flow Rate (l/s)	729	972	1215	1458	1701	1944	2187	2430	2916
			NC Level	<15	17	18	25	29	33	37	41	47
750x750	850x650 1200x500 950x600	0.506	Flow Rate (l/s)	759	1013	1266	1519	1772	2025	2278	2531	3038
			NC Level	<15	17	19	26	29	33	37	42	48
800x800	900x700 1200x600 1000x650	0.576	Flow Rate (l/s)	864	1152	1440	1728	2016	2304	2592	2880	3456
			NC Level	<15	18	20	27	30	34	38	42	48
900x900	950x850 1200x650 1000x750	0.729	Flow Rate (l/s)	1094	1458	1823	2187	2552	2916	3281	3645	4374
			NC Level	<15	18	20	27	30	34	38	43	49

SAMPLE

Fixed Core Double Deflection Registers

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Pieces/ Carton	Price
DDR84	200 x 100	8 x 4	5	$22.10
DDR104	250 x 100	10 x 4	5	$23.46
DDR124	300 x 100	12 x 4	5	$27.03
DDR144	350 x 100	14 x 4	5	$29.66
DDR164	400 x 100	16 x 4	5	$32.81
DDR184	450 x 100	18 x 4	5	$36.21
DDR204	500 x 100	20 x 4	5	$38.50
DDR244	600 x 100	24 x 4	5	$40.80
DDR66	150 x 150	6 x 6	5	$21.26
DDR86	200 x 150	8 x 6	5	$25.33
DDR106	250 x 150	10 x 6	5	$26.52
DDR126	300 x 150	12 x 6	5	$27.88
DDR146	350 x 150	14 x 6	5	$30.51
DDR166	400 x 150	16 x 6	5	$34.00
DDR186	450 x 150	18 x 6	5	$36.21
DDR206	500 x 150	20 x 6	5	$40.80
DDR246	600 x 150	24 x 6	5	$43.01
DDR306	750 x 150	30 x 6	5	$71.40
DDR366	900 x 150	36 x 6	5	$96.90
DDR88	200 x 200	8 x 8	5	$26.18
DDR108	250 x 200	10 x 8	5	$28.73
DDR128	300 x 200	12 x 8	5	$29.66
DDR148	350 x 200	14 x 8	5	$32.81
DDR168	400 x 200	16 x 8	5	$35.10
DDR188	450 x 200	18 x 8	5	$39.61
DDR208	500 x 200	20 x 8	5	$44.20
DDR248	600 x 200	24 x 8	5	$47.60
DDR308	750 x 200	30 x 8	5	$78.20
DDR249	600 x 225	24 x 9	5	$66.30
DDR1010	250 x 250	10 x 10	5	$28.73
DDR1210	300 x 250	12 x 10	5	$40.80
DDR1410	350 x 250	14 x 10	5	$41.48
DDR1610	400 x 250	16 x 10	5	$43.69
DDR1810	450 x 250	18 x 10	5	$51.00
DDR2010	500 x 250	20 x 10	5	$54.40
DDR2410	600 x 250	24 x 10	5	$58.90
DDR1212	300 x 300	12 x 12	5	$34.51
DDR1612	400 x 300	16 x 12	5	$50.15
DDR2012	500 x 300	20 x 12	5	$54.40
DDR2412	600 x 300	24 x 12	5	$64.60
DDR	*Any size available on request*		5	POA
Grilles are powder coated white as standard				



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Removable Core Double Deflection Registers

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Pieces/ Carton	Price
RCDDR124	300 x 100	12 x 4	5	$29.75
RCDDR144	350 x 100	14 x 4	5	$32.98
RCDDR164	400 x 100	16 x 4	5	$36.12
RCDDR184	450 x 100	18 x 4	5	$37.40
RCDDR204	500 x 100	20 x 4	5	$42.33
RCDDR244	600 x 100	24 x 4	5	$44.88
RCDDR324	800 x 100	32 x 4	5	$66.30
RCDDR126	300 x 150	12 x 6	5	$30.68
RCDDR146	350 x 150	14 x 6	5	$33.57
RCDDR166	400 x 150	16 x 6	5	$37.40
RCDDR186	450 x 150	18 x 6	5	$40.46
RCDDR206	500 x 150	20 x 6	5	$44.88
RCDDR246	600 x 150	24 x 6	5	$57.63
RCDDR450175	450 x 175	18 x 7	5	$56.10
RCDDR500175	500 x 175	20 x 7	5	$61.20
RCDDR600175	600 x 175	24 x 7	5	$71.40
RCDDR128	300 x 200	12 x 8	5	$32.47
RCDDR148	350 x 200	14 x 8	5	$43.35
RCDDR168	400 x 200	16 x 8	5	$46.49
RCDDR188	450 x 200	18 x 8	5	$52.27
RCDDR208	500 x 200	20 x 8	5	$57.80
RCDDR248	600 x 200	24 x 8	5	$67.49
RCDDR1210	300 x 250	12 x 10	5	$36.89
RCDDR2010	500 x 250	20 x 10	5	$61.20
RCDDR2410	600 x 250	24 x 10	5	$78.20
RCDDR2412	600 x 300	24 x 12	5	$85.00

Grilles are powder coated white as standard



Double Deflection Register 20mm spacing

Product Code	Price
DDR20	POA

* Manufactured to custom sizes*
* Offers a great point of difference*
* Lead time applies*



Matching Ancillaries for Fixed & Removable Core Double Deflection Registers

UB	SB	EB	TDBM	TDBF	OBD	LSPRING	SS
							
see pg.135	see pg.136	see pg.136	see pg.126	see pg.125	see pg.118-119	see pg.192	see pg.121

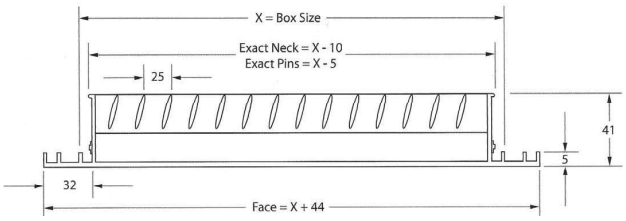
QUICK SELECTION GUIDE FOR FIXED & REMOVABLE CORE DOUBLE DEFLECTION REGISTERS

Description

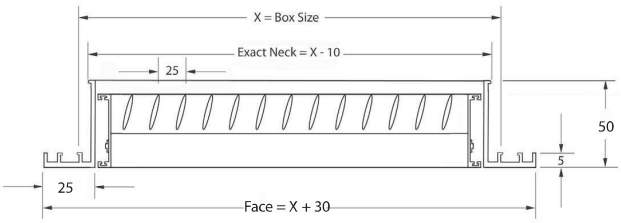
For supply air, having a double set of fully adjustable aerofoil blades to give directional control of the air pattern in four directions if required. Suitable for wall and duct mounting. Also available in removable core for ease of fitting and blade setting.

Construction

From robust extruded aluminium sections, ensuring functional strength and performance that also gives an attractive and aesthetically pleasing appearance. Incorporating two sets of individually adjustable blades, the front blades may be set either horizontally or at angles either up or down. Rear blades are adjusted in a similar way but only in a vertical plane. Finished in powder coated white as standard.



Fixed Core Double Deflection Register



Removable Core Double Deflection Register

Size

Available in a range of standard sizes and also available in custom sizes on request.
Average free area approximately 80%.

Performance Data

Throw values are based on Registers installed in the sidewall not more than 600mm below a flat ceiling. Terminal velocities are based on 0.25m/s.
NC levels and pressure drops are given for registers with all blades set at a 0° pitch and with no dampers attached. For blades set at a 40° pitch a 50% increase in pressure can be applied.
For other performance or selection details please contact the supplier.

Product Code	Nom. Neck (mm)	Free Area (m²)	Face Velocity (m/s)	2.00	3.00	4.00	5.00	6.00	7.00	8.00
			Pressure Drop (Pa)	3	6	11	18	26	35	46
DDR1010	250x250	0.041	Flow Rate (l/s)	81	122	163	204	244	285	326
			NC Level	<15	<15	16	22	29	34	37
			Throw (m)	4.6	6.9	9.2	11.3	12.8	14.0	15.9
DDR1210 RCDDR1210	300x250	0.050	Flow Rate (l/s)	99	149	198	248	298	347	397
			NC Level	<15	<15	15	21	28	33	36
			Throw (m)	4.9	7.3	9.4	11.6	13.4	14.7	16.4
DDR1410	350x250	0.058	Flow Rate (l/s)	117	175	234	292	351	409	468
			NC Level	<15	<15	15	21	27	32	36
			Throw (m)	5.1	7.5	9.7	11.6	14.2	15.5	16.8
DDR1212	300x300	0.060	Flow Rate (l/s)	121	181	241	302	362	423	483
			NC Level	<15	<15	15	21	27	32	35
			Throw (m)	5.2	7.6	9.9	11.7	14.3	15.6	16.9
DDR1610	400x250	0.067	Flow Rate (l/s)	135	202	269	336	404	471	538
			NC Level	<15	<15	<15	20	26	31	35
			Throw (m)	5.3	7.7	10.0	11.8	14.4	15.7	17.2
DDR1810	450x250	0.076	Flow Rate (l/s)	152	228	305	381	457	533	609
			NC Level	<15	<15	<15	20	26	31	34
			Throw (m)	5.5	7.9	10.1	12.0	14.5	15.9	17.8
DDR1612	400x300	0.082	Flow Rate (l/s)	164	246	328	410	492	573	655
			NC Level	<15	<15	<15	19	25	30	34
			Throw (m)	5.7	8.1	10.3	12.7	14.6	16.3	18.4
DDR2010 RCDDR2010	500x250	0.085	Flow Rate (l/s)	170	255	340	425	510	595	680
			NC Level	<15	<15	<15	19	25	30	34
			Throw (m)	5.7	8.2	10.4	12.8	14.7	16.4	18.5
DDR2012	500x300	0.103	Flow Rate (l/s)	207	310	414	517	621	724	828
			NC Level	<15	<15	<15	18	24	29	33
			Throw (m)	5.9	8.6	10.5	13.0	14.8	16.8	18.6
DDR2410 RCDDR2410	600x250	0.103	Flow Rate (l/s)	205	308	411	514	616	719	822
			NC Level	<15	<15	<15	18	24	29	33
			Throw (m)	5.9	8.6	10.5	13.0	14.8	16.8	18.6
DDR2412 RCDDR2412	600x300	0.125	Flow Rate (l/s)	250	375	500	625	750	875	1000
			NC Level	<15	<15	<15	17	23	28	32
			Throw (m)	6.1	9.1	11.4	13.5	15.2	17.2	18.8

COPY

QUICK SELECTION GUIDE FOR FIXED & REMOVABLE CORE DOUBLE DEFLECTION REGISTERS

Product Code	Nom. Neck (mm)	Free Area (m²)	Face Velocity (m/s)	2.00	3.00	4.00	5.00	6.00	7.00	8.00
			Pressure Drop (Pa)	3	6	11	18	26	35	46
DDR84	200x100	0.011	Flow Rate (l/s)	22	33	44	55	67	78	89
			NC Level	<15	18	23	29	36	40	44
			Throw (m)	3.2	4.3	6.0	7.5	8.8	9.9	12.2
DDR104	250x100	0.014	Flow Rate (l/s)	28	43	57	71	85	99	113
			NC Level	<15	17	22	28	35	39	43
			Throw (m)	3.5	4.7	6.6	7.9	9.8	11.2	12.6
DDR124 RCDDR124	300x100	0.017	Flow Rate (l/s)	34	52	69	86	103	121	138
			NC Level	<15	16	21	27	34	38	42
			Throw (m)	3.7	5.4	6.8	8.7	10.0	11.5	13.7
DDR144 RCDDR144	350x100	0.020	Flow Rate (l/s)	41	61	81	102	122	142	163
			NC Level	<15	15	20	26	33	37	41
			Throw (m)	3.9	5.7	7.3	8.9	10.5	12.2	14.0
DDR164 RCDDR164	400x100	0.023	Flow Rate (l/s)	47	70	94	117	140	164	187
			NC Level	<15	<15	19	25	32	36	40
			Throw (m)	4.1	6.0	7.8	9.1	11.1	13.0	14.2
DDR184 RCDDR184	450x100	0.026	Flow Rate (l/s)	53	79	106	132	159	185	212
			NC Level	<15	<15	18	24	31	35	39
			Throw (m)	4.2	6.3	8.4	9.6	11.6	13.5	14.8
DDR204 RCDDR204	500x100	0.030	Flow Rate (l/s)	59	89	118	148	177	207	237
			NC Level	<15	<15	18	24	31	35	39
			Throw (m)	4.4	6.4	8.5	9.9	12.3	13.6	15.2
DDR244 RCDDR244	600x100	0.036	Flow Rate (l/s)	71	107	143	179	214	250	286
			NC Level	<15	<15	16	22	29	34	37
			Throw (m)	4.6	6.9	9.2	11.3	12.8	14.0	15.9
RCDDR324	800x100	0.048	Flow Rate (l/s)	96	144	192	240	288	336	384
			NC Level	<15	<15	15	21	28	33	36
			Throw (m)	4.8	7.2	9.3	11.5	13.3	14.5	16.2
DDR66	150x150	0.013	Flow Rate (l/s)	26	40	53	66	79	92	105
			NC Level	<15	17	22	28	35	39	43
			Throw (m)	3.5	4.7	6.6	7.9	9.8	11.2	12.6
DDR86	200x150	0.018	Flow Rate (l/s)	37	55	73	91	110	128	146
			NC Level	<15	16	21	27	34	38	42
			Throw (m)	3.7	5.4	6.8	8.7	10.0	11.5	13.7
DDR106	250x150	0.023	Flow Rate (l/s)	47	70	93	117	140	163	187
			NC Level	<15	<15	19	25	32	36	40
			Throw (m)	4.0	6.0	7.8	9.1	11.1	13.0	14.2
DDR126 RCDDR126	300x150	0.028	Flow Rate (l/s)	57	85	114	142	170	199	227
			NC Level	<15	<15	18	24	31	35	39
			Throw (m)	4.2	6.3	8.4	9.6	11.6	13.5	14.8
DDR146 RCDDR146	350x150	0.033	Flow Rate (l/s)	67	100	134	167	201	234	268
			NC Level	<15	<15	17	23	30	35	38
			Throw (m)	4.4	6.4	8.5	9.9	12.3	13.6	15.2
DDR166 RCDDR166	400x150	0.039	Flow Rate (l/s)	77	116	154	193	231	270	308
			NC Level	<15	<15	16	22	29	35	38
			Throw (m)	4.5	6.8	9.0	11.1	12.5	13.6	15.5
DDR186 RCDDR186	450x150	0.044	Flow Rate (l/s)	87	131	174	218	262	305	349
			NC Level	<15	<15	15	21	28	34	37
			Throw (m)	4.6	6.9	9.1	11.2	12.6	13.7	15.6
DDR206 RCDDR206	500x150	0.049	Flow Rate (l/s)	97	146	195	243	292	341	389
			NC Level	<15	<15	15	21	28	33	36
			Throw (m)	4.8	7.2	9.3	11.5	13.3	14.5	16.2
DDR246 RCDDR246	600x150	0.059	Flow Rate (l/s)	118	176	235	294	353	412	470
			NC Level	<15	<15	15	20	26	31	34
			Throw (m)	5.1	7.5	9.6	11.7	13.5	14.7	16.5
RCDDR450175	450x175	0.053	Flow Rate (l/s)	105	158	211	263	316	369	421
			NC Level	<15	<15	15	21	27	32	35
			Throw (m)	5.0	7.3	9.4	11.6	13.4	14.6	16.3
RCDDR500175	500x175	0.059	Flow Rate (l/s)	118	176	235	294	353	411	470
			NC Level	<15	<15	<15	20	26	31	34
			Throw (m)	5.1	7.5	9.6	11.7	13.5	14.7	16.5
RCDDR600175	600x175	0.071	Flow Rate (l/s)	142	213	284	355	426	497	568
			NC Level	<15	<15	<15	19	25	30	33
			Throw (m)	5.4	7.7	10.3	11.9	14.1	15.7	17.2
DDR306	750x150	0.074	Flow Rate (l/s)	148	222	296	370	444	518	592
			NC Level	<15	<15	<15	19	25	30	33
			Throw (m)	5.5	7.9	10.4	12.1	14.5	15.9	17.8
DDR366	900x150	0.089	Flow Rate (l/s)	178	268	357	446	535	625	714
			NC Level	<15	<15	<15	18	24	29	33
			Throw (m)	5.8	8.2	10.7	12.8	14.8	16.4	18.4

COPY

QUICK SELECTION GUIDE FOR FIXED & REMOVABLE CORE DOUBLE DEFLECTION REGISTERS

Product Code	Nom. Neck (mm)	Free Area (m^2)	Face Velocity (m/s)	2.00	3.00	4.00	5.00	6.00	7.00	8.00
			Pressure Drop (Pa)	**3**	**6**	**11**	**18**	**26**	**35**	**46**
DDR88	200x200	0.026	Flow Rate (l/s)	**52**	**78**	**104**	**130**	**156**	**181**	**207**
			NC Level	<15	<15	18	25	31	35	40
			Throw (m)	4.1	6.1	8.1	9.3	11.4	13.2	14.5
DDR108	250x200	0.033	Flow Rate (l/s)	**66**	**99**	**132**	**166**	**199**	**232**	**265**
			NC Level	<15	<15	17	23	30	35	38
			Throw (m)	4.4	6.4	8.5	9.9	12.3	13.6	15.2
DDR128 RCDDR128	300x200	0.040	Flow Rate (l/s)	**81**	**121**	**161**	**202**	**242**	**282**	**323**
			NC Level	<15	<15	16	22	29	35	38
			Throw (m)	4.5	6.8	9.0	11.1	12.5	13.6	15.5
DDR148 RCDDR148	350x200	0.048	Flow Rate (l/s)	**95**	**143**	**190**	**238**	**285**	**333**	**380**
			NC Level	<15	<15	15	21	28	33	36
			Throw (m)	4.8	7.2	9.3	11.5	13.3	14.5	16.2
DDR168 RCDDR168	400x200	0.055	Flow Rate (l/s)	**109**	**164**	**219**	**274**	**328**	**383**	**438**
			NC Level	<15	<15	15	21	27	32	35
			Throw (m)	5.0	7.4	9.5	11.7	13.5	14.7	16.5
DDR188 RCDDR188	450x200	0.062	Flow Rate (l/s)	**124**	**186**	**248**	**310**	**372**	**433**	**495**
			NC Level	<15	<15	<15	20	26	31	34
			Throw (m)	5.3	7.6	9.8	11.9	13.7	14.9	16.7
DDR208 RCDDR208	500x200	0.069	Flow Rate (l/s)	**138**	**207**	**276**	**346**	**415**	**484**	**553**
			NC Level	<15	<15	<15	19	25	30	34
			Throw (m)	5.4	8.0	10.0	12.6	14.4	15.9	17.8
DDR248 RCDDR248	600x200	0.084	Flow Rate (l/s)	**167**	**251**	**334**	**418**	**501**	**585**	**668**
			NC Level	<15	<15	<15	19	25	30	34
			Throw (m)	5.8	8.2	10.4	12.8	14.7	16.4	18.5
DDR308	750x200	0.105	Flow Rate (l/s)	**210**	**315**	**420**	**526**	**631**	**736**	**841**
			NC Level	<15	<15	<15	18	24	29	33
			Throw (m)	5.9	8.6	10.6	13.0	14.9	16.8	18.7
DDR249	600x225	0.096	Flow Rate (l/s)	**193**	**289**	**385**	**482**	**578**	**674**	**770**
			NC Level	<15	<15	<15	19	25	30	34
			Throw (m)	5.9	8.4	10.5	12.9	14.8	16.5	18.6

SAMPLE

Removable Core Bar Grilles

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Pieces/Carton	Price
RCBG60090	600 x 90	N/A	10	$76.50
RCBG60090NTF (no top flange)	600 x 90	N/A	10	$83.30
RCBG164	400 x 100	16 x 4	10	$68.00
RCBG244	600 x 100	24 x 4	10	$76.50
RCBG324	800 x 100	32 x 4	10	$95.20
RCBG50012015D (15 deg. deflection)	500 x 120	N/A	10	$81.60
RCBG146	350 x 150	14 x 6	10	$76.50
RCBG166	400 x 150	16 x 6	10	$78.20
RCBG246	600 x 150	24 x 6	10	$88.40
All removable core bar grilles are 0 deg deflection unless noted otherwise.				

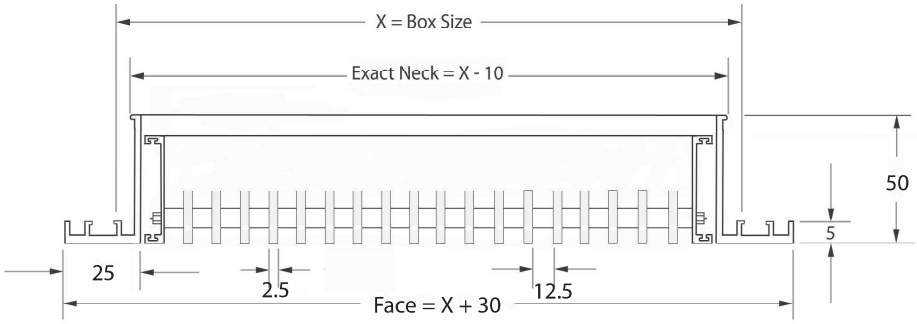


Description

For supply air applications, having a single set of fixed blades. Quick release removable core provides easy access to rear and concealed fixing facility. Suitable for wall mounting.

Construction

From high quality aluminium extrusion. Blades are standard 2.5mm thick with 12.5mm pitch. Finished in powder coat white as standard.



Performance Data - see next page

Throws are based at Isothermal conditions to a terminal velocity of 0.5m/s and 0.25m/s respectively for a 1 metre active length with a room height of 2.7m. The diffuser is mounted flush in a side wall no further than 400mm down from the ceiling. Throw values are for throws in one direction only. Noise Ratings are based on a room absorption level of 10db.

Matching Ancillaries for Removable Core Bar Grilles

UB	SB	EB	TDBM	TDBF	OBD	LSPRING	SS
							
see pg.135	see pg.136	see pg.136	see pg.126	see pg.125	see pg.118	see pg.192	see pg.121

QUICK SELECTION GUIDE FOR REMOVABLE CORE BAR GRILLES

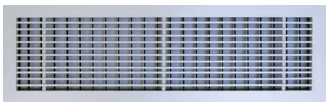
Product Code		Face Velocity m/s							
		1	2	3	4	5	6	7	8
RCBG60090 RCBG60090NTF	Airflow l/s	37	74	110	147	184	221	258	295
	Throw	1.7	2.9	3.9	5	6.1	7.1	7.8	8.5
	Pa	1	5	10	19	29	42	57	74
	NC	<15	<15	<15	18	24	31	36	39
RCBG164	Airflow l/s	28	56	84	112	140	168	197	225
	Throw	1.3	2.2	3.2	4.3	5.4	6.5	7.2	7.9
	Pa	1	4	9	17	26	38	51	67
	NC	<15	<15	<15	20	26	33	38	41
RCBG244	Airflow l/s	42	85	127	170	212	255	297	340
	Throw	1.4	2.4	3.6	4.8	6	6.8	8	8.8
	Pa	1	4	10	18	28	40	54	70
	NC	<15	<15	<15	18	24	31	37	40
RCBG324	Airflow l/s	57	114	171	228	284	341	398	455
	Throw	1.5	2.6	3.8	5.1	6.4	7.6	8.5	9.3
	Pa	1	4	10	17	27	39	53	69
	NC	<15	<15	<15	17	22	28	33	34
RCBG50012015D	Airflow l/s	43	86	129	172	216	259	302	345
	Throw	1.9	3	4	5.1	6.2	7.3	8	8.7
	Pa	1	4	10	18	27	39	54	70
	NC	<15	<15	<15	18	24	31	37	40
RCBG246	Airflow l/s	70	140	211	281	351	421	491	562
	Throw	2	3.2	4.4	5.6	6.8	8	8.8	9.6
	Pa	1	4	10	17	27	39	53	69
	NC	<15	<15	<15	15	21	27	32	36
RCBG146	Airflow l/s	40	81	121	162	202	243	283	324
	Throw	1.8	2.9	3.9	5	6.1	7.2	7.9	8.6
	Pa	1	4	10	17	27	39	53	69
	NC	<15	<15	<15	18	24	31	37	40
RCBG166	Airflow l/s	46	93	139	186	232	278	325	371
	Throw	1.9	3	4	5.1	6.2	7.3	8	8.7
	Pa	1	2	6	10	15	22	30	39
	NC	<15	<15	<15	17	23	30	36	39

SAMPLE

Fixed Core Bar Grille c/w Rear Black Blades

Product Code	Price
BGBB	POA

* Manufactured to custom sizes*
* Offers a great point of difference*
* Lead time applies*



Removable Core Bar Grille c/w Rear Black Blades

Product Code	Price
RCBGBB	POA

* Manufactured to custom sizes*
* Full Removable Core for easy installation*
* Offers a great point of difference*
* Lead time applies*



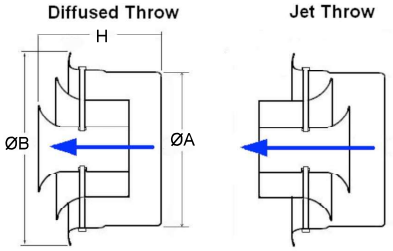
Jet Diffuser Flanged

Product Code	Exact Neck Metric ØA	Nom. Neck Imperial ØA	Height Metric H	Face Size Metric ØB	Price
JDF8	200	8	165	266	$124.10
JDF10	250	10	165	322	$129.20
JDF12	300	12	180	365	$134.30
JDF14	350	14	220	425	$151.30
JDF16	400	16	210	470	$163.20
Grilles are aluminium powder coated white as standard					



Description

For supply air, delivering a powerful stream of air over long distances. The jet diffuser core can be rotated 180° to discharge air in either a diffused or jet pattern. The throws with the Jet setting are typically double that of the Diffused setting. The versatility of this design makes the diffuser a popular choice for large areas requiring varied comfort levels. The diffuser is also ideal for spot cooling of areas with high heat loads.



Construction

From spun aluminium sheeting ensuring functional strength and performance that also gives an attractive and aesthetically pleasing appearance. Incorporating the centre barrel fixed my means of a pivoting rod to the outer flanged housing. Standard finishes are white and additional finishes are available on request.

Performance Data

Throw values are based on diffusers installed in the sidewall more than 2.0m above the floor line. Terminal velocities are based on a one side installation only with throws given at 0.25m/s. Tests results were carried out in the diffused pattern only. Jet pattern throws are calculated by multiplying the diffused throws by 2.
For other performance or selection details please contact the supplier.

Product Code	Performance Data	Units	Neck Velocity (m/s)					
			2	3	4	5	6	7
JDF8	Air Flow	l/s	63	94	126	157	188	220
	Noise Criteria	NC	<15	16	23	31	38	44
	Pressure Drop	Pa	3	8	13	21	30	41
	Throw-Diffused	m	4.2	4.9	5.6	6.3	7.1	8.0
	Throw-Jet	m	8.5	10.0	11.1	12.4	14.2	15.8
JDF10	Air Flow	l/s	98	147	196	245	295	344
	Noise Criteria	NC	<15	17	25	33	40	45
	Pressure Drop	Pa	3	7	13	20	29	40
	Throw-Diffused	m	4.9	5.6	6.4	6.9	7.6	8.7
	Throw-Jet	m	9.6	11.1	12.4	13.6	14.9	17.2
JDF12	Air Flow	l/s	141	212	283	354	424	495
	Noise Criteria	NC	<15	18	27	35	42	48
	Pressure Drop	Pa	3	7	13	20	28	39
	Throw-Diffused	m	5.8	6.4	6.9	7.4	8.1	9.2
	Throw-Jet	m	11.2	12.5	13.7	14.6	16.0	18.3
JDF14	Air Flow	l/s	192	289	385	481	577	673
	Noise Criteria	NC	17	20	29	36	43	49
	Pressure Drop	Pa	3	7	12	19	28	38
	Throw-Diffused	m	6.0	6.6	7.2	7.6	8.3	9.4
	Throw-Jet	m	11.8	12.8	14.0	15.1	16.4	18.6
JDF16	Air Flow	l/s	251	377	503	629	754	880
	Noise Criteria	NC	19	22	31	39	46	54
	Pressure Drop	Pa	3	7	12	19	28	38
	Throw-Diffused	m	6.3	6.8	7.5	7.9	8.7	9.8
	Throw-Jet	m	12.2	13.5	14.8	15.8	17.2	19.1

SAMPLE

Jet Nozzle

Product Code	Exact Neck Metric ØA	Face Opening ØB	Face Size Metric ØC	Height Metric H	Price
JN6	147	75	200	113	$161.50
JN8	197	105	266	133	$214.20
JN10	247	128	315	185	$272.00
JN315	312	165	395	230	$321.30
JN14	347	185	433	251	$374.00
JN16	397	210	495	285	$428.40
JN20	497	256	618	350	$535.50
JN630	627	323	779	400	$642.60
Grilles are aluminium powder coated white as standard					



Description

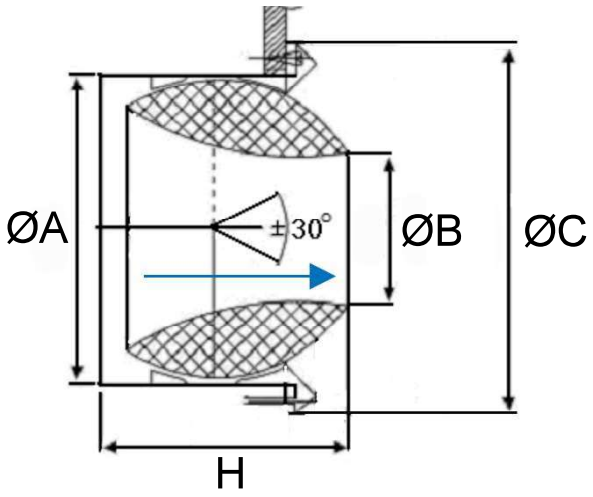
For supply air, delivering a powerful stream of air over long distances. Its angular movement allows airstreams to be directed accurately making it ideal for spot cooling applications with high heat loads.

Construction

From moulded and spun aluminium sheeting ensuring functional strength and performance that also gives an attractive and aesthetically pleasing appearance. Incorporating the barrel with fixing collar, swivelling nozzle(eyeball) and trim ring. Standard finishes are white with additional finishes available on request.

Performance Data

Throw values are based on diffusers installed in the sidewall more than 2.0m above the floor line. Terminal velocities are based on a one side installation only with throws given at 0.5m/s and 0.25m/s respectively.
For other performance or selection details please contact the supplier.



QUICK SELECTION GUIDE FOR JET NOZZLE

Product Code	Performance Data	Units	Neck Velocity (m/s)					
			3	4	5	6	8	10
JN6	Air Flow	l/s	15	20	25	30	40	50
	Noise Criteria	NC	<15	15	18	22	26	30
	Pressure Drop	Pa	5	10	15	22	38	60
	Throw	m	4-6	6-9	7-11	9-13	11-17	14-21
JN8	Air Flow	l/s	26	35	43	52	69	87
	Noise Criteria	NC	<15	16	19	23	27	30
	Pressure Drop	Pa	5	10	15	21	38	60
	Throw	m	6-9	8-12	10-14	12-18	15-22	19-26
JN10	Air Flow	l/s	41	54	68	81	108	135
	Noise Criteria	NC	<15	16	19	22	26	29
	Pressure Drop	Pa	6	10	16	23	40	63
	Throw	m	7-11	10-14	12-17	14-21	18-28	22-30
JN315	Air Flow	l/s	71	95	119	143	190	238
	Noise Criteria	NC	<15	18	20	22	26	32
	Pressure Drop	Pa	6	11	18	26	46	72
	Throw	m	8-12	11-15	13-18	15-22	20-30	24-32
JN14	Air Flow	l/s	85	113	141	169	226	282
	Noise Criteria	NC	<15	17	19	23	25	31
	Pressure Drop	Pa	6	10	16	23	42	65
	Throw	m	9-13	12-16	15-20	18-24	22-32	26-36
JN16	Air Flow	l/s	109	146	182	218	291	364
	Noise Criteria	NC	<15	<15	15	17	19	25
	Pressure Drop	Pa	5	9	14	20	36	56
	Throw	m	10-14	14-18	19-22	24-27	28-34	30-38
JN20	Air Flow	l/s	154	206	257	309	412	515
	Noise Criteria	NC	<15	<15	<15	17	19	25
	Pressure Drop	Pa	5	9	13	19	34	54
	Throw	m	12-16	16-20	20-24	25-29	30-36	34-40
JN630	Air Flow	l/s	246	328	410	492	656	820
	Noise Criteria	NC	<15	<15	<15	16	18	24
	Pressure Drop	Pa	5	9	14	20	35	55
	Throw	m	14-18	18-22	22-26	26-32	32-38	35-42

SAMPLE

Wall Mounted Grilles

Swirl Jet

Product Code	Exact Neck Metric ØA	Face Opening ØB	Face Size Metric ØC	Height Metric H	Price
SJ6	147	75	200	113	$183.60
SJ8	197	105	266	133	$238.00
SJ10	247	128	315	185	$306.00
SJ315	312	165	395	230	$360.40

Grilles are aluminium powder coated white as standard
Larger sizes available soon

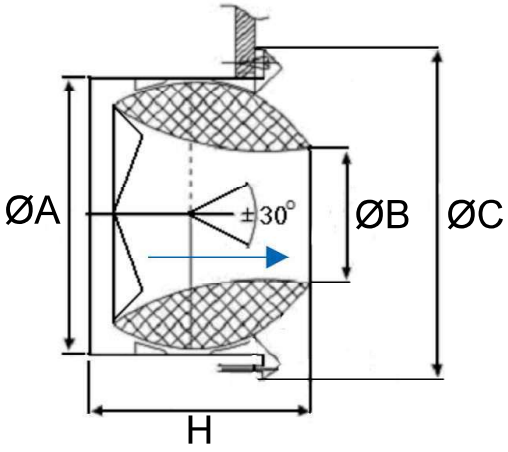


Description

For supply air, delivering a powerful stream of air over long distances. The swirl characteristics induce ambient air resulting in rapid mixing resulting in a more comfortable occupied zone. Its angular movement allows airstreams to be directed accurately making it ideal for spot cooling applications with high heat loads.

Construction

From moulded and spun aluminium sheeting ensuring functional strength and performance that also gives an attractive and aesthetically pleasing appearance. Incorporating the barrel with fixing collar, swirl vanes, swivelling nozzle(eyeball) and trim ring. Standard finishes are white with additional finishes available on request.



Performance Data

Throw values are based on diffusers installed in the sidewall more than 2.0m above the floor line.
Terminal velocities are based on a one side installation only with throws given at 0.5m/s and 0.25m/s respectively.
For other performance or selection details please contact the supplier.

Product Code	Performance Data	Units	Neck Exit Velocity (m/s)					
			3	4	5	6	8	10
SJ6	Air Flow	l/s	15	20	25	30	40	50
	Noise Criteria	NC	<15	<15	18	22	26	36
	Pressure Drop	Pa	8	15	23	33	58	91
	Throw	m	1-2	2-3	2-4	3-4	3-5	4-6
SJ8	Air Flow	l/s	26	35	43	52	69	87
	Noise Criteria	NC	<15	15	18	27	33	38
	Pressure Drop	Pa	9	16	25	37	65	101
	Throw	m	1-2	2-3	2-4	3-5	4-6	5-7
SJ10	Air Flow	l/s	41	54	68	81	108	135
	Noise Criteria	NC	15	19	26	29	35	39
	Pressure Drop	Pa	9	16	25	36	63	99
	Throw	m	2-3	3-5	4-6	5-7	6-8	7-10
SJ315	Air Flow	l/s	71	95	119	143	190	238
	Noise Criteria	NC	15	20	27	30	36	42
	Pressure Drop	Pa	12	22	34	49	87	137
	Throw	m	2-4	3-5	4-6	5-8	7-10	8-12

SAMPLE

Wall Mounted Grilles

Louvre Grille Fixed - ABS

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Pieces/Carton	Price
LGF4	100	4	50	$8.33
LGF5	125	5	50	$10.37
LGF6	150	6	30	$12.07

All grilles come complete with screws, wall plugs & insect mesh



Gravity Grille - ABS

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Pieces/Carton	Price
GG4	100	4	50	$7.14
GG5	125	5	50	$8.50
GG6	150	6	30	$8.84

All grilles come complete with screws and wall plugs



Gravity Grille - Stainless Steel

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Face Size	Spigot Dia	Spigot Length	Cut Out Size	Price
GGS4	100	4	150	98	52	115	$69.70
GGS5	125	5	180	120	52	140	$91.80
GGS6	150	6	180	145	62	160	$105.40

Manufactured from a high quality 304 grade stainless steel
Stainless gravity grilles require a minimum pressure to open
20Pa - 100mm
30Pa - 125mm
30Pa - 150mm



Vent Louvre - Aluminium

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Price
AVL4	100	4	$22.10
AVL5	125	5	$28.90
AVL6	150	6	$34.00
AVL8	200	8	$45.90
AVL10	250	10	$57.80



Vent Louvre - Stainless Steel

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Face Size	Spigot Dia	Spigot Length	Cut Out Size	Price
SVL4	100	4	140	97	52	115	$57.80
SVL5	125	5	180	120	52	140	$68.00
SVL6	150	6	200	145	62	155	$79.90

Manufactured from a high quality 304 grade stainless steel
Designed for exhaust ventilation where adverse weather conditions are experienced
Insect mesh included



Weatherproof Cowl - Stainless Steel

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Face Size	Spigot Dia	Spigot Length	Cut Out Size	Price
WPCSS4	100	4	150	97	52	115	$68.00
WPCSS5	125	5	180	120	52	140	$96.90
WPCSS6	150	6	200	145	62	160	$102.00

Manufactured from a high quality 304 grade stainless steel
Designed for use where adverse weather conditions are experienced
Stainless Weatherproof Cowls require a minimum 10Pa pressure to open



Half Chevron

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Pieces/Carton	Price
HC97	230 x 165	9 x 7	20	$16.15

HC97 are Natural Anodised as standard
HC97 comes standard with wire mesh fitted
Special colours available upon request



Description

For exhaust or return air, having a single set of fixed blades at 45 deg. at 17.5mm spacing. Suitable for wall mounting.

Construction

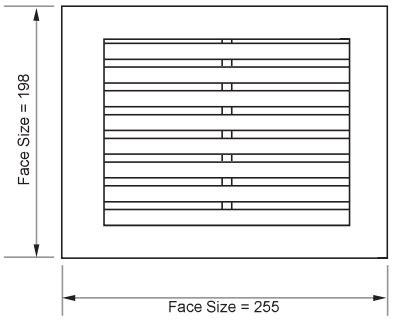
From high quality aluminium extrusion. Blades are secured at a standard pitch of 17.5mm and at 45 deg. Finished in natural anodised aluminium as standard with optional powder coated colours and finishes available on request.

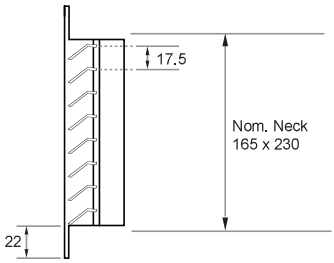
Size

Available in a standard size of 230x165 and available in custom sizes upon request - see manufactured range pg.99
Average free area approximately 55%.

Performance Data

NC levels and pressure drops are given for grilles with no filters or dampers attached.
For other performance or selection details please contact the supplier.

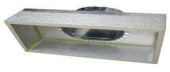




Product Code	Nom. Neck (mm)	Neck Area (m²)	Neck Velocity (m/s)	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
			Pressure Drop (Pa)	4	7	11	16	22	29	37	45
HC97	230x165	0.026	Flow Rate (l/s)	39	52	65	78	91	104	117	130
			NC Level	<15	<15	19	26	30	34	35	37

SAMPLE

Matching Ancillaries for Half Chevron

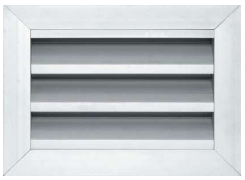
UB	SOB	RN	TDBM	TDBF
				
see pg.135	see pg.69	see pg.19	see pg.126	see pg.125

Wall Mounted Grilles

Weatherproof Louvre

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Face Size	Exact Neck	Pieces/ Carton	Price
WPL95	230 x 115	9 x 5	280 x 165	225 x 107	20	$26.18
WPL66	150 x 150	6 x 6	200 x 200	145 x 145	10	$20.74
WPL97	230 x 165	9 x 7	280 x 215	225 x 157	20	$26.18
WPL88	200 x 200	8 x 8	250 x 250	195 x 195	10	$28.90
WPL168	400 x 200	16 x 8	450 x 250	395 x 195	10	$62.13
WPL1010	250 x 250	10 x 10	300 x 300	245 x 245	10	$33.15
WPL1212	300 x 300	12 x 12	350 x 350	295 x 295	10	$38.76
WPL2412	600 x 300	24 x 12	650 x 350	595 x 295	10	$76.50
WPL1414	350 x 350	14 x 14	400 x 400	345 x 345	10	$41.65
WPL1616	400 x 400	16 x 16	450 x 450	395 x 395	10	$45.90
WPL1818	450 x 450	18 x 18	500 x 500	445 x 445	5	$54.06
WPL2020	500 x 500	20 x 20	550 x 550	495 x 495	5	$70.38
WPL2424	600 x 600	24 x 24	650 x 650	595 x 595	5	$98.60
WPL	*Any size available on request*					POA

Grilles are natural anodised as standard
WPL comes complete with wire mesh

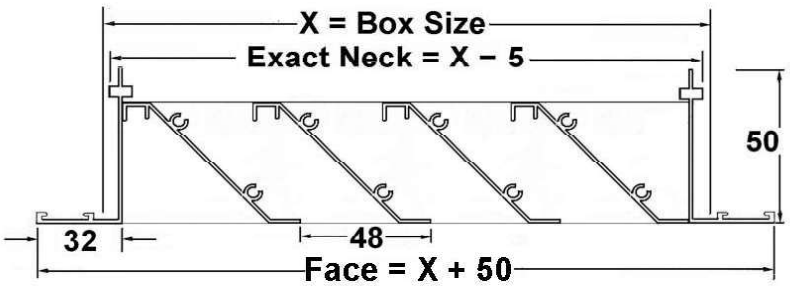


Description
Suitable for both intake and return air applications. The Louvre blades offer a double weather stop design making it a unique and efficient solution in providing weather protection. Wide blade spacings enable improved airflow with reduced pressure drops and noise levels. The standard range offers a 32mm flange with a blade spacing of 48mm.

Construction
From high quality extruded aluminium sections. Hairline mitres are mechanically held for maximum strength and durability. Finished in natural anodised aluminium as standard with optional powder coated colours and finishes available on request.

Size
Available in standard sizes from 225x125 to 600x600 as standard with custom sizes available on request.
Free areas range between 40% and 76%.

Performance Data - see next page
NC levels and pressure drops are given for louvres mounted in a sidewall at least 1200 mm up from the floor level. Results were obtained at Isothermal conditions.
For other performance or selection details please contact the supplier.



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QUICK SELECTION GUIDE FOR WEATHERPROOF LOUVRES

Product Code	Nom. Neck (mm)	Free Area (m^2)	Face Velocity (m/s)	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50
			Pressure Drop (Pa)	2	4	8	12	18	24	32	40
WPL66	150x150	0.009	Flow Rate (l/s)	9	13	18	22	26	31	35	40
			NC Level	<15	<15	<15	15	18	21	26	29
WPL95	225x125	0.010	Flow Rate (l/s)	10	15	20	25	30	35	40	45
			NC Level	<15	<15	15	16	19	22	27	30
WPL97	225x175	0.017	Flow Rate (l/s)	17	25	34	42	51	59	67	76
			NC Level	<15	<15	<15	16	19	22	27	30
WPL88	200x200	0.018	Flow Rate (l/s)	18	27	36	45	54	63	72	81
			NC Level	<15	<15	<15	16	20	23	28	31
WPL1010	250x250	0.031	Flow Rate (l/s)	31	47	62	78	93	109	124	140
			NC Level	<15	<15	<15	16	20	24	28	31
WPL168	400x200	0.037	Flow Rate (l/s)	37	56	74	93	111	130	148	167
			NC Level	<15	<15	16	18	21	25	29	32
WPL1212	300x300	0.046	Flow Rate (l/s)	46	69	93	116	139	162	185	208
			NC Level	<15	<15	16	19	23	27	31	34
WPL1414	350x350	0.065	Flow Rate (l/s)	65	97	129	162	194	227	259	291
			NC Level	<15	<15	17	22	27	30	35	38
WPL1616	400x400	0.087	Flow Rate (l/s)	87	130	173	217	260	303	347	390
			NC Level	<15	<15	19	25	30	33	38	41
WPL2412	600x300	0.094	Flow Rate (l/s)	94	141	188	235	282	329	376	423
			NC Level	<15	15	20	26	31	33	38	41
WPL1818	450x450	0.112	Flow Rate (l/s)	112	168	225	281	337	393	449	505
			NC Level	<15	15	21	26	31	34	39	41
WPL2020	500x500	0.142	Flow Rate (l/s)	142	212	283	354	425	496	567	637
			NC Level	<15	16	22	26	31	35	40	42
WPL2424	600x600	0.219	Flow Rate (l/s)	219	329	439	548	658	768	877	987
			NC Level	<15	18	24	27	33	36	41	43

SAMPLE

Matching Ancillaries for Weatherproof Louvres

UB	SOB	RN	TDBM	TDBF
				
see pg.135	see pg.69	see pg.19	see pg.122	see pg.121

Snap on Box to suit Weatherproof Louvres & Half Chevron

Product Code	Suit These Grilles	Size Metric	Size Imperial	Price
SOB95	WPL95	225 x 125	9 x 5	$13.09
SOB97	WPL97 HC97	225 x 175	9 x 7	$13.09
The WPL95, WPL97 and HC97 simply snap into box with no drilling required				

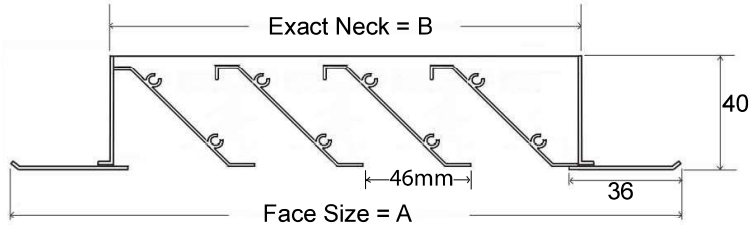


Wall Mounted Grilles

Round Weatherproof Louvres

Product Code	Nom. Neck Diameter Metric	Nom. Neck Diameter Imperial	Face Dia. Metric A	Exact Neck Dia. Metric B	Price
RWPL6	150	6	200	140	$108.80
RWPL8	200	8	250	190	$124.10
RWPL10	250	10	300	240	$144.50
RWPL12	300	12	350	290	$158.10
RWPL14	350	14	400	340	$176.80
RWPL16	400	16	450	390	$204.00
Grilles are aluminium powder coated white as standard					





Product Code	Nom. Neck (mm) Ø	Free Area (m²)	Face Velocity (m/s)	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50
			Pressure Drop (Pa)	2	4	8	12	18	24	32	40
RWPL6	150	0.007	Flow Rate (l/s)	7	10	14	17	21	24	28	31
			NC Level	<15	<15	<15	15	17	19	21	25
RWPL8	200	0.013	Flow Rate (l/s)	13	20	27	33	40	47	53	60
			NC Level	<15	<15	16	17	19	23	27	31
RWPL10	250	0.022	Flow Rate (l/s)	22	33	44	55	67	78	89	100
			NC Level	<15	<15	16	17	20	23	28	31
RWPL12	300	0.034	Flow Rate (l/s)	34	51	67	84	101	118	135	152
			NC Level	<15	<15	16	18	21	24	28	32
RWPL14	350	0.049	Flow Rate (l/s)	49	74	98	123	147	172	196	221
			NC Level	<15	<15	17	19	22	25	29	32
RWPL16	400	0.067	Flow Rate (l/s)	67	100	134	167	201	234	268	301
			NC Level	<15	<15	17	21	24	27	31	35

SAMPLE

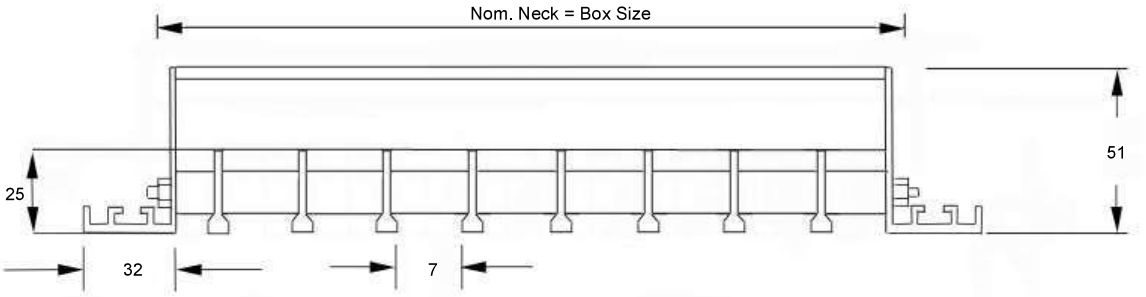
Floor Mounted Grilles

Floor Grilles

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Face Size Metric	Price
FG124N	300 x 100	12 x 4	352 x 160	$54.40
FG124B	300 x 100	12 x 4	352 x 160	$54.40
FG126N	300 x 150	12 x 6	352 x 210	$57.80
FG126B	300 x 150	12 x 6	352 x 210	$57.80
FG146N	350 x 150	14 x 6	402 x 210	$64.60
FG146B	350 x 150	14 x 6	402 x 210	$64.60
FG166N	400 x 150	16 x 6	452 x 210	$71.40
FG166B	400 x 150	16 x 6	452 x 210	$71.40
N = Natural Anodised, B = Beige				



QUICK SELECTION GUIDE FOR FLOOR GRILLES



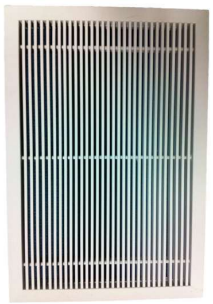
Product Code		Face Velocity m/s							
		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
FG124N/B	Airflow l/s	18	37	55	73	91	110	128	146
	Throw	1.1	2.1	3.1	4.2	5.2	6.3	7.0	7.7
	Pa	1	3	8	14	22	31	42	55
	NC	<15	<15	16	21	26	33	37	41
FG126N/B	Airflow l/s	28	57	85	114	142	171	199	227
	Throw	1.7	2.8	3.8	4.9	6.0	7.0	7.7	8.4
	Pa	1	3	6	11	17	24	33	43
	NC	<15	<15	<15	20	25	32	36	40
FG146N/B	Airflow l/s	33	67	100	133	167	200	233	267
	Throw	1.8	2.9	3.9	5.0	6.1	7.2	7.9	8.6
	Pa	1	3	7	12	18	26	36	47
	NC	<15	<15	<15	19	24	31	36	40
FG166N/B	Airflow l/s	38	76	115	153	191	229	268	306
	Throw	1.9	3.0	4.0	5.1	6.2	7.3	8.0	8.7
	Pa	0	2	4	7	10	15	21	27
	NC	<15	<15	<15	18	23	30	36	39

SAMPLE

Heavy Duty Floor Grilles

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Face Size Metric	Price Without Filter	Price With Filter
HDFG2016N	500 x 400	20 x 16	552 x 460	$183.60	$210.80
HDFG2016B	500 x 400	20 x 16	552 x 460	$183.60	$210.80
HDFG2416N	600 x 400	24 x 16	652 x 460	$200.60	$236.30
HDFG2416B	600 x 400	24 x 16	652 x 460	$200.60	$236.30
HDFG3016N	750 x 400	30 x 16	802 x 460	$246.50	$282.20
HDFG3016B	750 x 400	30 x 16	802 x 460	$246.50	$282.20
HDFG3616N	900 x 400	36 x 16	952 x 460	$272.00	$316.20
HDFG3616B	900 x 400	36 x 16	952 x 460	$272.00	$316.20

N = Natural Anodised, B = Beige



Matching Ancillaries for Floor Grilles

UB	SB	EB	TDBM	TDBF	OBD
					
see pg.135	see pg.136	see pg.136	see pg.126	see pg.125	see pg.118-119

Floor Mounted Grilles

Schots Elite Vents

Product Style	Product Code	Description	Int. Size (mm)	Ext. Size (mm)	Price ea	
No.1 Vent	SCH-1CI	Cast Iron	300 x 100	345 x 145	$15.81	
No.3 Vent	SCH-3BP	Brass Plated	295 x 100	330 x 135	$24.73	
	SCH-3NP	Nickel Plated				
	SCH-3BN	Brushed Nickel				
	SCH-3OB	Oiled Bronze				
No.4 Vent	SCH-4BP	Brass Plated	295 x 100	330 x 135	$26.43	
	SCH-4NP	Nickel Plated				
	SCH-4BN	Brushed Nickel				
	SCH-4OB	Oiled Bronze				
No.5 Vent	SCH-5BN	Brushed Nickel	310 x 105	345 x 145	$26.09	
No.6 Vent	SCH-6ZP (End Of Line)	Zinc Plated	340 x 340	440 x 440	$117.89	
No.7 Vent	SCH-7BP	Brass Plated	355 x 145	380 x 185	$47.60	
	SCH-7NP	Nickel Plated				
	SCH-7BN	Brushed Nickel				
	SCH-7OB	Oiled Bronze				
No.8 Vent	SCH-8BP	Brass Plated	350 x 150	400 x 200	$47.60	
	SCH-8BN	Brushed Nickel				
	SCH-8OB	Oiled Bronze				
No.8 Vent	SCH-8CI	Cast Iron	345 x 150	400 x 200	$26.43	
No.9 Vent	SCH-BP	Brass Plated	350 x 150	380 x 180	$39.69	
	SCH-NP	Nickel Plated				
	SCH-BN	Brushed Nickel				
	SCH-OB	Oiled Bronze				
No.11 Vent	SCH-11BP	Brass Plated	300 x 100	345 x 145	$26.43	
	SCH-11NP	Nickel Plated				
	SCH-11BN	Brushed Nickel				
	SCH-11OB	Oiled Bronze				

Floor Mounted Grilles

Schots Elite Vents						
Product Style	**Product Code**	**Description**	**Int. Size (mm)**	**Ext. Size (mm)**	**Price ea**	
No.18 Vent	SCH-18BP	Brass Plated	295 x 95	340 x 130	$22.10	
	SCH-18CH	Chrome				
	SCH-18FB	Florentine Bronze				
No.22 Vent	SCH-22BP (End Of Line)	Brass Plated	310 x 105	345 x 145	$22.10	
No.24 Vent	SCH-24BP (End Of Line)	Brass Plated	310 x 105	345 x 145	$22.10	
No.25 Vent	SCH-25CH (End Of Line)	Chrome	310 x 105	345 x 145	$22.10	
Single Brick	SCH-SB	Cast Iron	228 x 80	230 x 83	$25.16	
Double Brick	SCH-DB	Cast Iron	228 x 152	230 x 155	$33.06	

*Please note: all items that are "End Of Line" are only available until stocks last.

Door Mounted Grilles

Door Grille

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Pieces/ Carton	Price
DG126	300 x 150	12 x 6	20	$28.05
DG186	450 x 150	18 x 6	10	$41.82
DG244	600 x 100	24 x 4	10	$42.50
DG246	600 x 150	24 x 6	10	$42.84
DG248	600 x 200	24 x 8	10	$48.11
DG2410	600 x 250	24 x 10	10	$51.25
DG1212	300 x 300	12 x 12	10	$59.50
DG2012	500 x 300	20 x 12	10	$62.90
DG2412	600 x 300	24 x 12	10	$55.84
DG2416	600 x 400	24 x 16	10	$66.98
DG1818	450 x 450	18 x 18	10	$71.40
DG2418	600 x 450	24 x 18	10	$72.16
DG2424	600 x 600	24 x 24	6	$89.93
DG	*Any size available on request*			

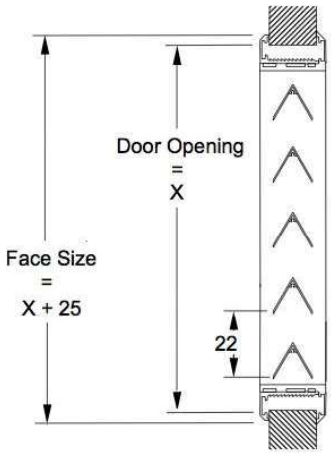


Description
For air relief, having a single set of fixed blades. Easy snap together installation with no drilling required. Suitable for door thicknesses of 30-45mm, all Door Grilles come complete with a telescopic back frame for an aesthetic appearance on both sides of the door.

Construction
From high quality extruded aluminium sections, blades are fixed at 22mm centres. Hairline mitres are mechanically held for maximum strength and durability. Finished in natural anodised aluminium as standard with optional powder coated colours and finishes available on request.

Size
Available in standard sizes from 300x150 to 600x600 as standard with custom sizes available on request.
Average free area approximately 50%.

Performance Data
NC levels and pressure drops are given for grilles mounted in a door with no filters attached.
For other performance or selection details please contact the supplier.



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QUICK SELECTION GUIDE FOR DOOR GRILLES

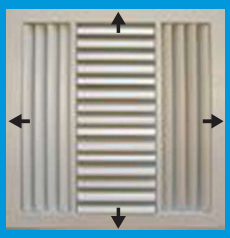
Product Code	Nom. Neck (mm)	Neck Area (m²)	Neck Velocity (m/s)	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25
			Pressure Drop (Pa)	2	5	9	14	21	28	36	46
DG126	300x150	0.038	Flow Rate (l/s)	19	29	38	48	57	67	77	86
			NC Level	<15	<15	16	17	20	24	28	33
DG244	600x100	0.051	Flow Rate (l/s)	26	38	51	64	77	89	102	115
			NC Level	<15	<15	16	17	20	23	27	32
DG186	450x150	0.057	Flow Rate (l/s)	29	43	57	72	86	100	115	129
			NC Level	<15	<15	16	17	20	23	27	30
DG246	600x150	0.081	Flow Rate (l/s)	41	61	81	101	122	142	162	182
			NC Level	<15	<15	16	18	20	22	27	30
DG1212	300x300	0.081	Flow Rate (l/s)	41	61	81	101	122	142	162	182
			NC Level	<15	<15	16	18	20	22	27	30
DG248	600x200	0.108	Flow Rate (l/s)	54	81	108	135	162	189	216	243
			NC Level	<15	<15	17	19	21	23	26	30
DG2012	500x300	0.135	Flow Rate (l/s)	68	101	135	169	203	236	270	304
			NC Level	<15	<15	16	19	21	23	27	30
DG2410	600x250	0.135	Flow Rate (l/s)	68	101	135	169	203	236	270	304
			NC Level	<15	<15	16	19	21	23	27	30
DG2412	600x300	0.162	Flow Rate (l/s)	81	122	162	203	243	284	324	365
			NC Level	<15	<15	17	20	22	24	28	31
DG1818	450x450	0.182	Flow Rate (l/s)	91	137	182	228	273	319	365	410
			NC Level	<15	15	18	20	23	25	29	32
DG2416	600x400	0.216	Flow Rate (l/s)	108	162	216	270	324	378	432	486
			NC Level	<15	15	17	20	22	25	29	32
DG2418	600x450	0.243	Flow Rate (l/s)	122	182	243	304	365	425	486	547
			NC Level	<15	16	19	21	24	26	30	33
DG2424	600x600	0.324	Flow Rate (l/s)	162	243	324	405	486	567	648	729
			NC Level	<15	17	20	22	25	27	31	35

SAMPLE

Notes

Grilles & Diffusers Selection Guide

Manufactured Range*



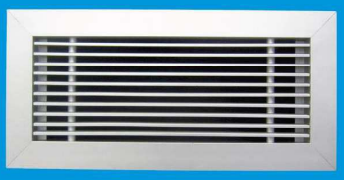
Manufactured Ceiling Mounted Grilles

Multi-Core Pattern Ceiling Diffusers.....pg.78-81
Plaster Board Frames.....pg.79
Slot Diffusers.....pg.82-85
Bar Grilles.....pg.86
Eggcrate Grilles.....pg.88-89
Perforated Grilles.....pg.89



Manufactured Wall Mounted Grilles

Bar Grilles.....pg.90-91
Registers.....pg.92-94
Mesh Grilles.....pg.94
Louvres.....pg.95-98
Half Chevron Grilles.....pg.99-100



Manufactured Floor Mounted Grilles

Aluminium Floor Grilles.....pg.101



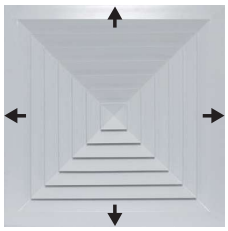
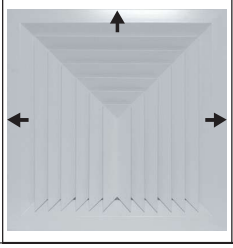
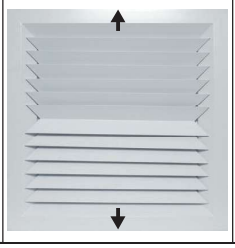
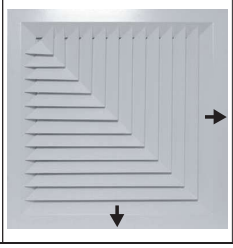
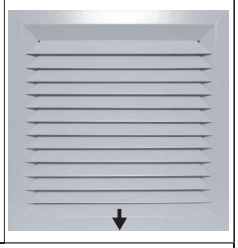
Manufactured Door Mounted Grilles

Door Grilles.....pg.102-103

*Lead Time applies for this range of grilles & diffusers

Lay-In & Flush Mounted Diffusers

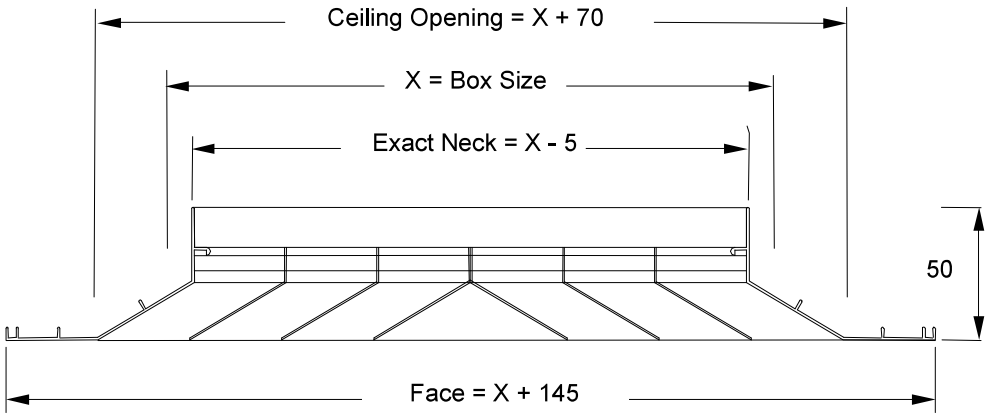
Available Core Patterns

4-Way Blow	3-Way Blow	2-Way Opposite Blow	2-Way Corner Blow	1-Way Blow
				

Description
For supply air, multi-core pattern design with quick release core, suitable for heating and cooling. Available in a range of different core patterns and sizes giving total flexibility for most installations in modern ceiling tile applications. Flanged for surface mounting or lay-in ceiling grid.

Construction
From extruded aluminium sections. Hairline mitred joints mechanically held. Optional Opposed Blade Dampers manufactured from extruded aluminium are also available.

Performance Data: please refer to pg. 21



LD - SD

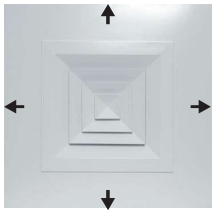
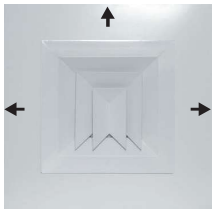
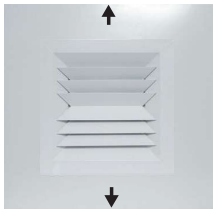
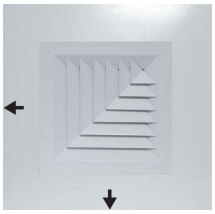
Matching Ancillaries for Lay-In & Flush Mounted Diffusers

PBF	RN □–○	RN □–□	CB	OBD	BP	FCF □–○	FCF □–□	TDBF	TDBM
									
see pg.192	see pg.19	see pg.19	see pg.137	see pg.118	see pg.142	see pg.16	see pg.16	see pg.125	see pg.126

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Plaque Diffusers

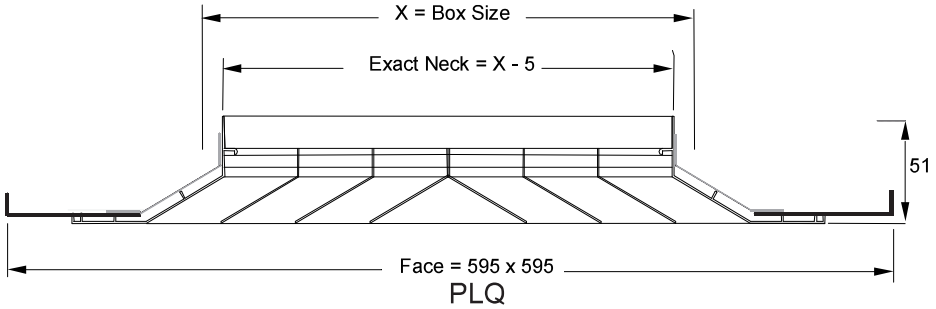
Available Core Patterns

4-Way Blow	3-Way Blow	2-Way Opposite Blow	2-Way Corner Blow	1-Way Blow
				

Description
For supply air, multi-core pattern design with quick release core, suitable for heating and cooling. Available in a range of different core patterns and sizes giving total flexibility for most installations in modern ceiling tile applications. Powder coated white as standard. Special colours also available upon request.

Construction
Diffuser is manufactured from extruded aluminium sections fixed into galvanised metal plate. Hairline mitred joints mechanically held. Optional Opposed Blade Dampers from extruded aluminium are also available.

Performance Data: please refer to pg. 21

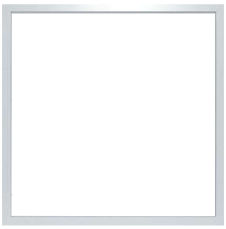


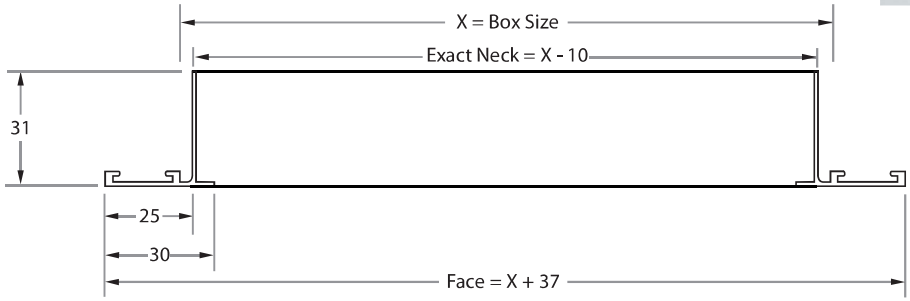
PLQ

Plaster Board Frame

Description
Manufactured for installation of various grilles & diffusers into plaster board ceilings. Simply fix plaster board frame into ceiling and drop diffuser into frame from above.

Construction
From extruded aluminium sections. Hairline mitred joints mechanically held. Powder coated white as standard. Special colours available upon request.

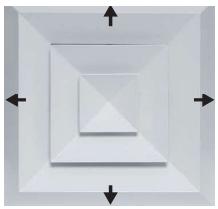
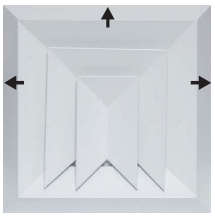
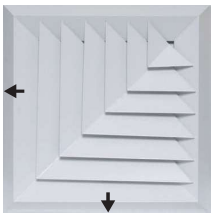
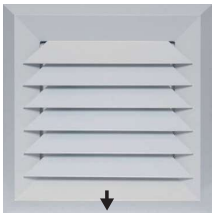

PBF



PBF

Bevelled Edge Diffusers

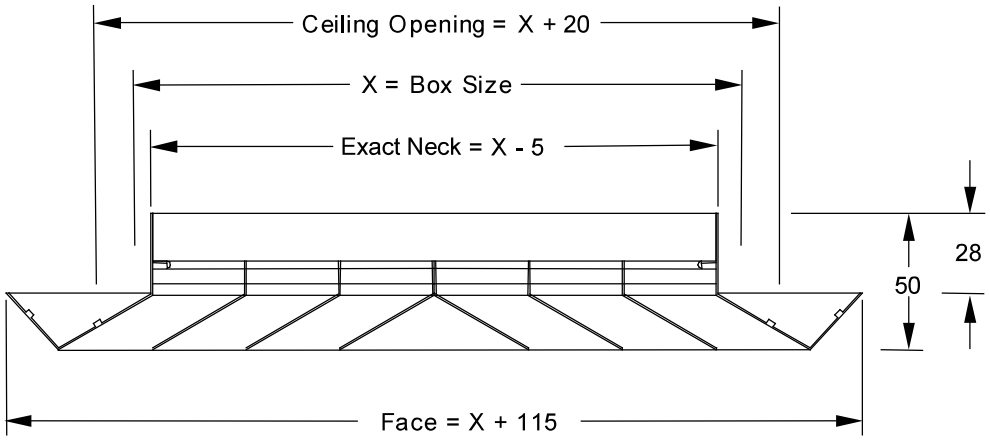
Available Core Patterns

4-Way Blow	3-Way Blow	2-Way Opposite Blow	2-Way Corner Blow	1-Way Blow
				

Description
For supply air, multi-core pattern design with quick release core, suitable for heating and cooling. Available in a range of different core patterns and sizes giving total flexibility for all surface mounting applications while providing anti-smudge protection for the ceiling.

Construction
From extruded aluminium sections. Hairline mitred joints mechanically held. Optional Opposed Blade Dampers manufactured from extruded aluminium.

Performance Data: please refer to pg. 25



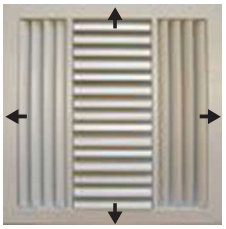
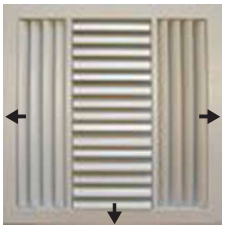
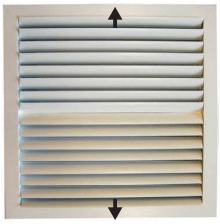
BED

Matching Ancillaries for Bevelled Edge Diffusers

CB	FCB □—○	BP	OBD	TDBF	TDBM
					
see pg.137-140	see pg.24	see pg.142	see pg.118-119	see pg.125	see pg.126

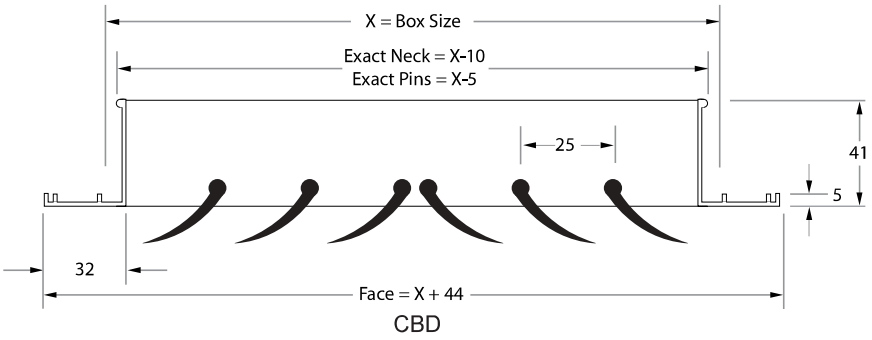
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Curved Blade Diffusers

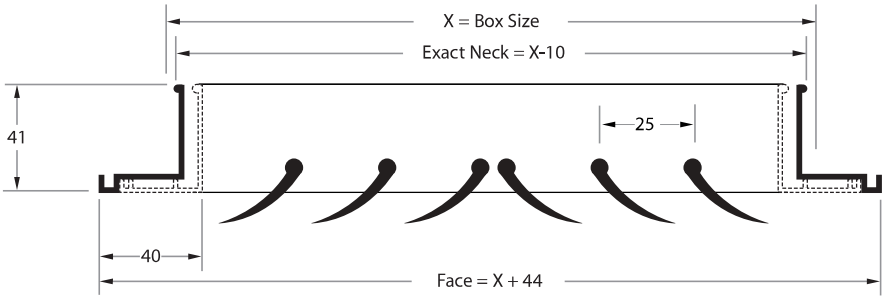
Available Core Patterns			
4-Way Blow	3-Way Blow	2-Way Blow	1-Way Blow
			

Description
The Curved Blade Diffuser is suitable for heating, cooling or evaporative air distribution. Commonly used in ceiling or side wall applications where positive direction control is required. Available in both fixed and removable core. Individual adjustable blades make it easy to be closed off, avoiding draughts without the expense of any volume control dampers.

Construction
From extruded aluminium sections. Hairline mitred joints mechanically held. Optional Opposed Blade Dampers manufactured from extruded aluminium are also available.

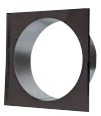
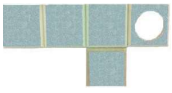


CBD



RCCBD

Matching Ancillaries for Curved Blade Diffusers

PBF	RN	CB	OBD	TDBF	TDBM
					
see pg.192	see pg.19	see pg.137-140	see pg.118-119	see pg.125	see pg.126

Linear Slot Diffuser

Description
For supply or return air, fully adjustable linear slot diffuser with unique air pattern control design. The air pattern can be adjusted in situ or factory. Set to suit design requirements. Suitable for ceiling or wall mounting applications.



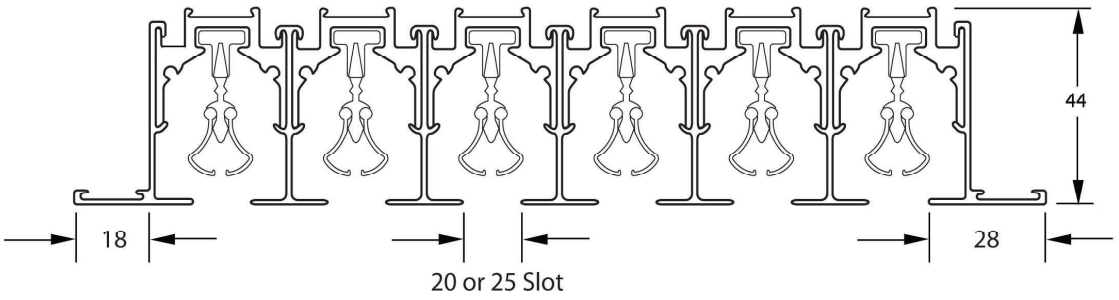
LSD

Construction
From high quality aluminium extrusion in maximum one piece lengths of 4200mm and from 1 to 8 slots. Design incorporates keyways for alignment and suspension purposes. Mitred ends are standard for single piece diffusers and for end sections of continuous runs. Diffusers are powder coated white c/w black anodised blades as standard. Natural anodised or special colours are also available upon request. Available in both 20mm and 25mm slots. Corner pieces and specific angles are also available.

LSD Fixed Core Dimension Table

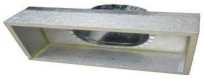
	20mm		
	Act. Neck	Face Size	Box Size
LSD120	40	75	45
LSD220	80	115	85
LSD320	120	155	125
LSD420	160	195	165
LSD520	200	235	205
LSD620	240	275	245
LSD720	280	315	285
LSD820	320	355	325

	25mm		
	Act. Neck	Face Size	Box Size
LSD125	45	80	50
LSD225	90	125	95
LSD325	135	170	140
LSD425	180	215	185
LSD525	225	260	230
LSD625	270	305	275
LSD725	315	350	320
LSD825	360	395	365



LSD

Matching Ancillaries for Linear Slot Diffusers

LB	UB	LSPRING	TDBF	TDBM
				
see pg.135	see pg.135	see pg.192	see pg.125	see pg.126

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Loose Core Linear Slot Diffuser

Description
For supply or return air, fully adjustable loose core linear slot diffuser with unique air pattern control design. The air pattern can be adjusted in situ or factory. Set to suit design requirements. Suitable for ceiling mounting applications. The loose core linear slot diffuser's unique design allows the installer to simply push the complete core of the diffuser upwards to allow it to be screw fixed to box above then simply drop back down into the frame.



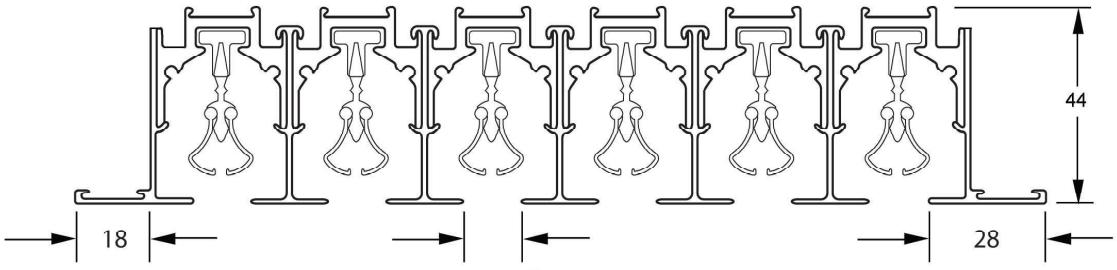
LCLSD

Construction
From high quality aluminium extrusion in maximum lengths of 3000mm and from 1 to 4 slots. Mitred ends are standard and are powder coated white c/w black anodised blades as standard. Natural anodised or special colours are also available upon request. Available in both 20mm and 25mm slots.

LCLSD Loose Core Dimension Table

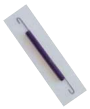
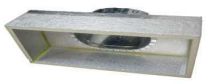
	20mm		
	Act. Neck	Face Size	Box Size
LSD120	40	75	45
LSD220	80	115	85
LSD320	120	155	125
LSD420	160	195	165
LSD520	200	235	205
LSD620	240	275	245
LSD720	280	315	285
LSD820	320	355	325

	25mm		
	Act. Neck	Face Size	Box Size
LSD125	45	80	50
LSD225	90	125	95
LSD325	135	170	140
LSD425	180	215	185
LSD525	225	260	230
LSD625	270	305	275
LSD725	315	350	320
LSD825	360	395	365



LCLSD

Matching Ancillaries for Loose Core Linear Slot Diffusers

LB	UB	LSPRING	TDBF	TDBM
				
see pg.135	see pg.135	see pg.192	see pg.125	see pg.126

QUICK SELECTION GUIDE FOR FIXED & LOOSE CORE LINEAR SLOT DIFFUSERS

Performance Data

Suitable for both cooling and heating applications with normal temperature differentials to 12° C. Data is based on a 1000mm long diffuser module, a 2.7m high flush ceiling and at isothermal conditions. The effect of shorter or longer diffusers is given as follows:

Note: When using continuous length diffusers with short alternate active and Inactive sections the factors in the adjacent table need not be applied.

Diffuser Length [metres]	Throw Distance Lt [metres]	NC ±
0.3	Lt x 0.6	-2
0.5 – 1.0	Lt x 0.9	-2
1.2 – 1.8	Lt x 1.0	0
2.0 – 3.0	Lt x 1.10	+3
3.5 – 6.0	Lt x 1.15	+5
6.0 +	Lt x 1.20	+8

Selection

1. In terms of performance and aesthetics a long narrow slot diffuser should be selected in preference to a short wide one. For example a 6.0 metre long 2 Slot diffuser would be preferable to a 1.5 metre long 8 Slot unit although both sizes have identical outlet areas.
2. The ends of a fully active supply air slot diffuser should finish between 20% and 10% of its total length from any adjacent wall to avoid turbulence and possible occupancy discomfort in that vicinity.
3. Data given in table below are based on air being diffused in one direction only. Diffusers can be set to diffuse in opposite directions, thus for 2-way air pattern divide the total air volume proportionally.
4. Tabulated data is shown for both 20mm and 25mm slots respectively.

LSD 20	Supply Air Volume per Metre										
	l/s/m	45	60	75	100	125	150	175	200	225	250
1 Slot	Throw H	2.2-6.0	3.0-7.2	3.7-8.2							
	Throw V	3.2	4.4	5.2							
	Pa	16	29	45							
	NC	26	32	35							
2 Slot	Throw H	1.7-5.4	2.2-6.5	2.5-7.6	3.5-9.0	4.5-10.1					
	Throw V	2.5	3.2	3.8	4.7	6.2					
	Pa	8	14	22	40	62					
	NC	19	23	25	30	36					
3 Slot	Throw H	1.3-5.1	1.8-6.2	2.2-7.2	3.0-8.5	3.5-9.8	4.2-11.5	5.0-12.2			
	Throw V	1.8	2.3	3	3.8	4.7	5.7	6.5			
	Pa	5	10	15	27	41	60	81			
	NC	-	-	20	23	28	33	38			
4 Slot	Throw H	1.2-4.8	1.5-5.8	1.8-6.8	2.5-8.1	2.8-9.3	3.5-10.5	4.2-11.6	4.9-12.6		
	Throw V	1.5	2	2.7	3.5	4.2	5	6	6.5		
	Pa	4	7	11	20	31	45	61	80		
	NC	-	-	-	18	21	26	31	37		
5 Slot	Throw H	1.1-4.5	1.3-5.5	1.5-6.4	2.2-7.6	2.6-8.4	3.0-9.4	3.5-10.8	4.2-11.5	4.8-12.5	
	Throw V	1.3	1.5	1.9	2.5	3.2	4	4.8	5.8	6.4	
	Pa	3	6	9	16	25	36	49	64	81	
	NC	-	-	-	-	18	22	27	32	35	
6 Slot	Throw H	0.9-4.2	1.1-4.9	1.3-5.3	1,6-6.1	2.1-7.0	2.5-8.1	3.0-9.2	3.4-10.7	4.1-11.9	4.9-12.7
	Throw V	1.1	1.3	1.5	2	2.6	3.2	4	4.9	5.8	6.5
	Pa	3	5	7	13	21	30	41	53	67	83
	NC	-	-	-	-	-	20	23	28	31	35

LSD 25	Supply Air Volume per Metre										
	l/s/m	45	60	75	100	125	150	175	200	225	250
1 Slot	Throw H	2.0-5.6	2.7-6.7	3.3-7.8							
	Throw V	2.9	4.0	4.7							
	Pa	14	26	40							
	NC	21	26	31							
2 Slot	Throw H	1.5-4.9	2.0- 6.0	2.3-7.1	3.3-8.4	4.2-9.5					
	Throw V	2.2	2.9	3.4	4.2	5.6					
	Pa	7	13	20	36	56					
	NC	15	19	23	26	31					
3 Slot	Throw H	1.1-4.2	1.6-5.3	2.0-6.2	2.8-7.5	3.3-8.6	3.9-10.3	4.6-11.1			
	Throw V	1.6	2.1	2.7	3.4	4.3	5.1	5.9			
	Pa	5	9	13	24	37	53	73			
	NC	-	-	16	19	22	26	32			
4 Slot	Throw H	0.9-3.5	1.2-4.5	1.5-5.5	2.2-6.7	2.5-7.8	2.9-9.1	3.6-10.2	4.5-11.2		
	Throw V	1.3	1.8	2.4	3.1	3.8	4.5	5.4	5.9		
	Pa	4	6	10	18	28	40	54	71		
	NC	-	-	-	15	18	22	27	33		
5 Slot	Throw H	0.7-2.8	0.9-3.8	1.1-4.7	1.8-5.9	2.2-6.8	2.6-7.9	3.1-9.3	3.8-10.1	4.4-11.1	
	Throw V	1.1	1.4	1.7	2.2	2.9	3.6	4.3	5.2	5.8	
	Pa	3	5	8	14	22	32	44	57	72	
	NC	-	-	-	-	15	19	23	28	33	
6 Slot	Throw H	0.6-2.2	0.8-2.9	1.0-3.4	1.3-4.2	1.8-5.2	2.3-6.4	2.8-7.5	3.2-9.0	3.9-10.2	4.6-11.0
	Throw V	1.0	1.2	1.4	1.8	2.3	2.8	3.6	4.4	5.2	6.0
	Pa	2	4	7	12	19	27	36	47	60	74
	NC	-	-	-	-	-	16	20	24	29	34

SAMPLE TM

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Adjustable Slot Diffuser

Description

For supply air, the individually adjustable blade arrangement provides unique airflow patterns and improved air mixing capabilities. Suitable for wall or ceiling mounting. Available in multiple slot widths and lengths.



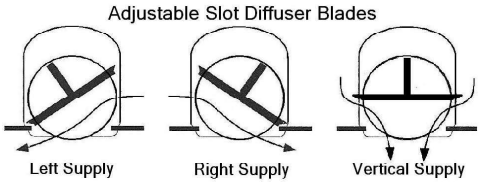
ALSD

Construction

From high quality aluminium extrusion with black adjustable plastic blades. Mitred ends are standard on all Adjustable Slot Diffusers. Powder coated white as standard with special colours available upon request.

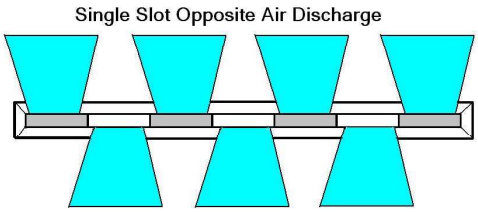
Air Discharge Options

The direction of air discharge can be adapted to suit any room requirements. The air control blades can easily be positioned to discharge air in either one direction or in opposite directions. A further option to discharge air vertically is also available. Air control blades can be pre set in the factory or easily done on site. An example of an opposite discharge layout is shown.



Performance Data

The throw is based on Isothermal conditions with a room height of 2.7m with the diffuser mounted flush in an unobstructed ceiling. Horizontal throws are given at a terminal velocity of 0.5m/s to 0.25m/s, while vertical throws are to 0.25m/s for a 1 meter active length. Throw values are for throws in one direction only and with four slots as maximum. Noise Ratings are based on a room absorption level of 10db



ALSD	Supply Air Volume per Metre									
	l/s/m	45	60	75	100	125	150	175	200	225
1 Slot	Throw H	1.2-2.2	1.6-2.8	1.8-3.6	2.1-4.2					
	Throw V	1.8	2.4	2.7	3.2					
	Pa	16	27	45	55					
	NC	26	32	37	40					
2 Slot	Throw H	1.0-2.0	1.4-2.5	1.6-3.0	1.8-3.6	2.0-4.1	2.3-4.7			
	Throw V	1.6	2.0	2.3	2.7	3.2	3.6			
	Pa	8	14	22	40	56	90			
	NC	19	23	25	30	36	42			
3 Slot	Throw H	0,8-1.8	1.1-2.1	1.4-2.5	1.6-3.1	1.8-3.6	2.1-4.1	2.5-4.7	3.0-5.3	
	Throw V	1.4	1.6	1.9	2.3	2.7	3.1	3.6	4.2	
	Pa	5	10	15	27	41	60	66	86	
	NC	<15	17	20	23	28	33	38	44	
4 Slot	Throw H	0.6-1.5	0.9-1.8	1.2-2.1	1.5-2.6	1.7-3.1	1.9-3.6	2.3-4.2	2.6-4.8	3.0-5.5
	Throw V	1.2	1.4	2.7	3.5	4.2	5.0	6.0	6.5	6.9
	Pa	4	7	11	20	31	45	60	80	100
	NC	<15	<15	<15	18	21	26	31	37	45

SAMPLE

Hinged Bar Grille

Description
For supply or return air, suitable for wall or ceiling mounting. Hinged Bar Grilles are available with or without filter and with a 0 or 15 degree deflection.



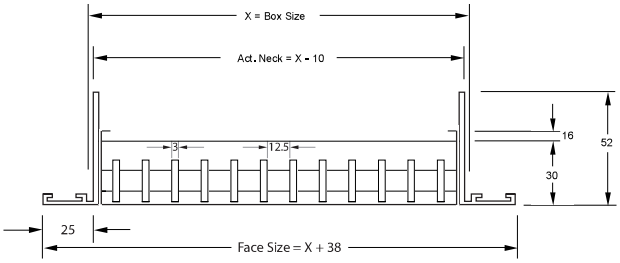
HBG

Construction
From extruded aluminium sections. Hairline mitred joints mechanically held. Blades are spaced at 12.5mm as standard, however also available in 6mm, 9.1mm and 10.4mm upon request. Ceiling mounted hinged bar grilles are manufactured with screw in knobs for added safety.

Performance Data
Throws are based at Isothermal conditions to a terminal velocity of 0.5m/s and 0.25m/s respectively for a 1 metre active length with a room height of 2.7m. The diffuser is mounted flush in a side wall no further than 400mm down from the ceiling. Throw factors are for throws in one direction only. Noise Ratings are based on a room absorption level of 10db. For 15 Deg deflection add 20% to pressure drops and 3NC to the new value.

Active Length Correction Table

Grille Length m	Throw Multiplier	NC +	Pa x
0.9-1.5	1.0	0	0
1.6-2.5	1.1	2	0.8
2.6 +	1.15	5	0.6



HBG

Airflow l/s Per m	Grille Size 1000 x	Pressure Pa	Face Velocity m/s	Throw m	NC
100	100	12	1.2	2.4 - 4.5	16
	150	6	0.8	2.2 - 3.5	<15
	200	4	0.6	2.0 - 3.0	<15
	250	2	0.5	1.8 - 2.7	<15
	300	1	0.4	1.6 - 2.4	<15
200	100	18	2.4	4.1 - 6.7	34
	150	8	1.7	3.6 - 5.8	15
	200	6	1.2	3.1 - 4.9	<15
	250	4	1.0	2.7 - 3.8	<15
	300	2	0.8	2.2 - 3.4	<15
300	100	30	3.7	5.5 - 9.2	40
	150	10	2.5	4.8 - 7.1	25
	200	8	1.9	4.1 - 6.0	15
	250	6	1.5	3.6 - 5.2	<15
	300	3	1.2	3.0 - 4.6	<15
400	100	34	4.9	6.6 - 10.5	44
	150	12	3.3	5.8 - 8.4	31
	200	9	2.5	5.1 - 7.1	19
	250	7	2.0	4.5 - 6.2	<15
	300	4	1.6	3.7 - 5.3	<15
500	100	38	6.1	7.5 - 12.0	46
	150	14	4.2	6.3 - 9.5	36
	200	10	3.1	5.6 -8.0	24
	250	8	2.5	4.3 - 6.7	<15
	300	6	2.1	4.1 - 6.1	<15

SAMPLE

Hinged Return Air Grille c/w Filter

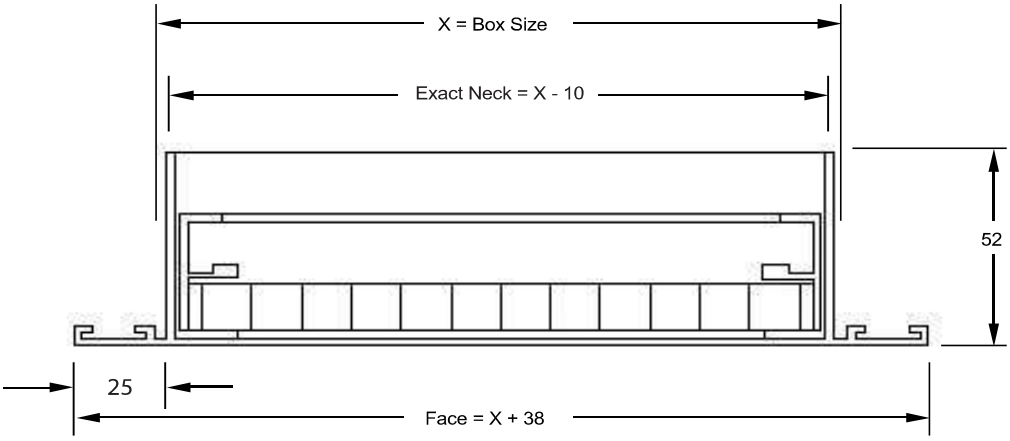
Description
The Hinged Eggcrate Return Air Grille is the most popular and economical for return air applications. Can be ceiling or wall mounted and is available with or without filter.
The Hinged Eggcrate Return Air Grille incorporates a filter slide for easy filter removal.
Also available with 35 Degree Eggcrate Core.



HERAG

Construction
Manufactured from extruded aluminium sections and 12.7mm cubed lattice core.
Powder coated white as standard.

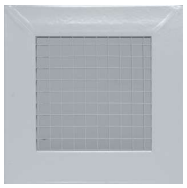
Performance data: please refer to pg.53



HERAG

Fixed Core Eggcrate Grille

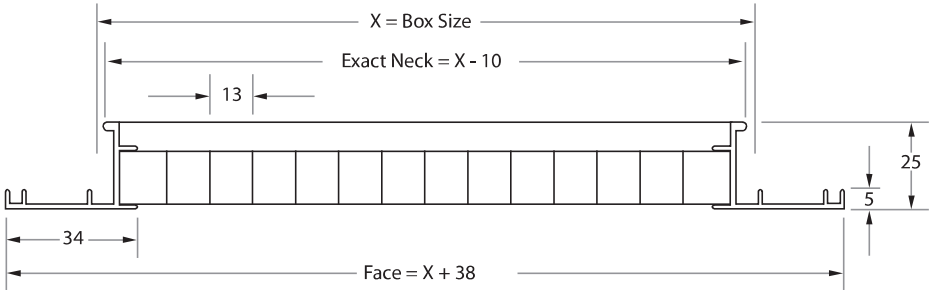
Description
Ideal for exhaust and return air applications. The Eggcrate grille is the most popular and economical for exhaust and return air applications.
Also available with 35 Degree Eggcrate Core.



EG

Construction
The frame is manufactured from extruded aluminium with hairline mitred joints mechanically held, while the eggcrate core is held in by its unique frame design. Available in white or natural anodised. Special colours are also available upon request.

Performance data: please refer to pg. 53



EG

Removable Core Eggcrate Grille

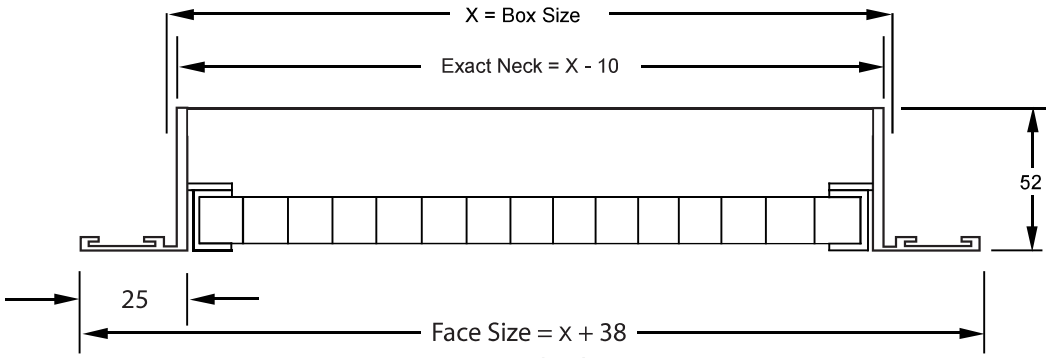
Description
Ideal for exhaust and return air applications. The Eggcrate grille is the most popular and economical for exhaust and return air applications.
Also available with 35 Degree Eggcrate Core.



RCEG

Construction
The frame is manufactured from extruded aluminium with hairline mitred joints mechanically held, while the eggcrate core is held in by its unique frame design. Special catches are fitted to allow the core to simply clip in. Available in white or natural anodised. Special colours are also available upon request.

Performance data: please refer to pg.53



RCEG

Loose Core Eggcrate Grille

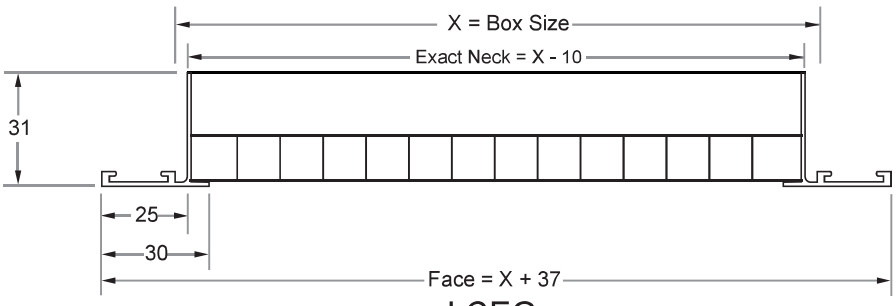
Description
Ideal for exhaust and return air applications. The Eggcrate Grille is the most popular and economical for exhaust and return air applications. The Loose Core Eggcrate grille allows the installer to simply push the core up and easily fix the frame into position and drop the core back into the outer frame. Also available with 35 degree Eggcrate Core.



LCEG

Construction
The frame is manufactured from extruded aluminium with hairline mitred joints mechanically held, while the eggcrate core sits on the internal lip of the outer frame. Available in white or natural anodised. Special colours are also available upon request.

Performance data: please refer to pg. 53

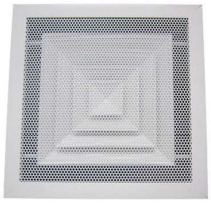


LCEG

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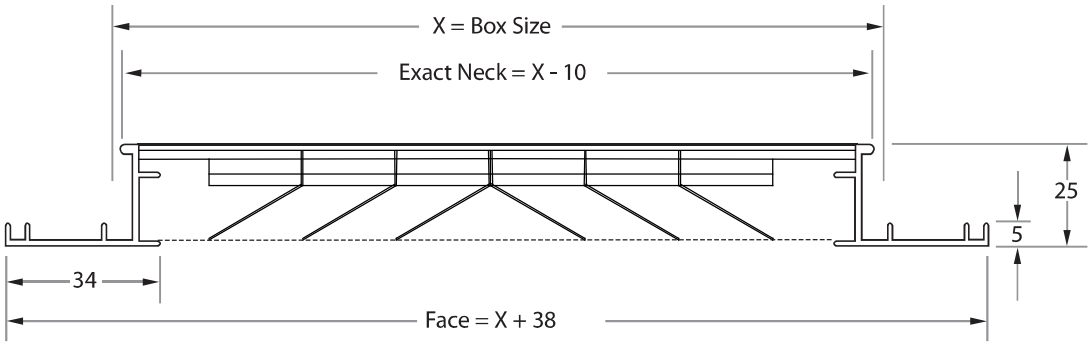
Perforated Supply Air Grille

Description
The Perforated Supply Air Grilles are suitable for heating and cooling. Available in any core pattern. It provides efficient draughtless air distribution. Also available for return air without core pattern.



PSG

Construction
The frame is manufactured from extruded aluminium with hairline mitred joints mechanically held, while the perforated aluminium is held in by its unique frame design. The core pattern is then fixed to the back of the perforated face. Available in white or any special powder coat colours upon request.



PSG

Perforated High Volume Round Swirl Diffuser

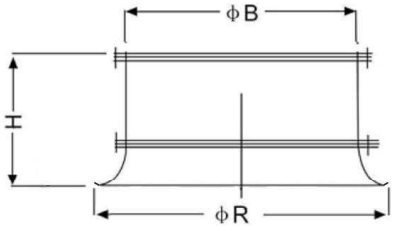
Description

For supply air having specially pitched blades to minimise both pressure drop and noise and maintaining high airflow capabilities. The diffuser offers both discreet ceiling integration and excellent performance characteristics. Suitable for ceiling heights in excess of 3.5 metres.



PHVSD

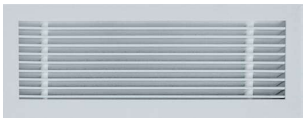
Construction
From powder coated spun aluminium sheeting with rear collar and fitted with 50% perforated plate. Flanged connection ring for either duct or plenum box fixture.
Swirl diffusers are offered with specially designed and constructed plenum boxes to suit.



Product Code	ØBmm	ØRmm	H mm
PHVSD10	250	375	183
PHVSD12	300	448	203
PHVSD315	315	476	210
PHVSD14	350	514	225
PHVSD16	400	578	238

Bar Grilles

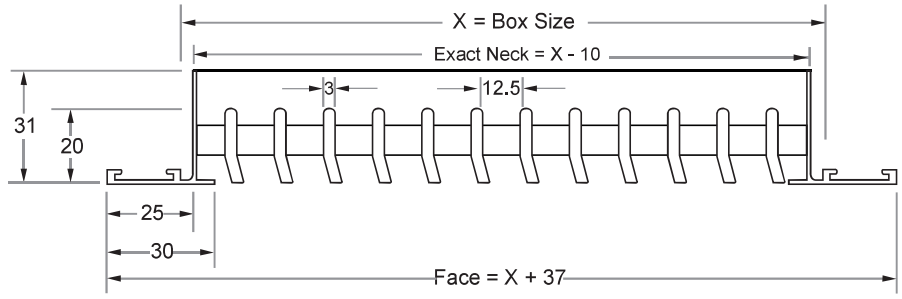
Description
For supply or return air, most suitable for wall applications. Bar Grilles are available in many different styles, such as fixed core, removable core, hinged core, reverse angle and flangeless. They are also available with different blade spacing, depending on the requirements. Bar Grilles are available in both 15 and 0 degree deflection.Available in natural anodised, white or any special colours upon request.



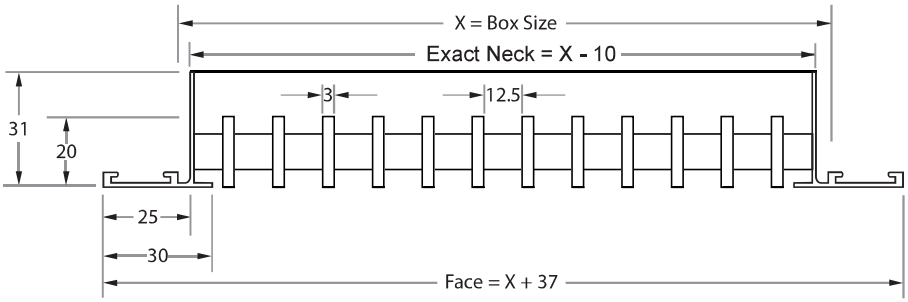
BG

Construction
From extruded aluminium sections. Hairline mitred joints mechanically held. Blades are spaced at 12.5mm as standard, however also available in 6mm, 9.1mm and 10.4mm upon request. Round spacers form the mullions for support between blades.

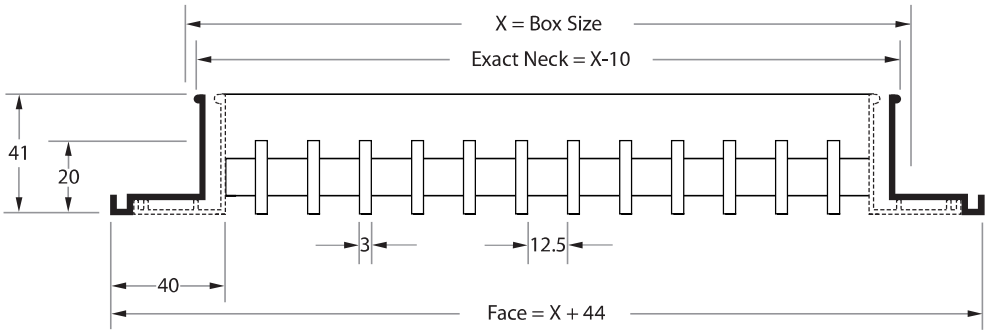
Performance Data: please refer to pg. 86



BG 15 DEGREE DEFLECTION



BG 0 DEGREE DEFLECTION

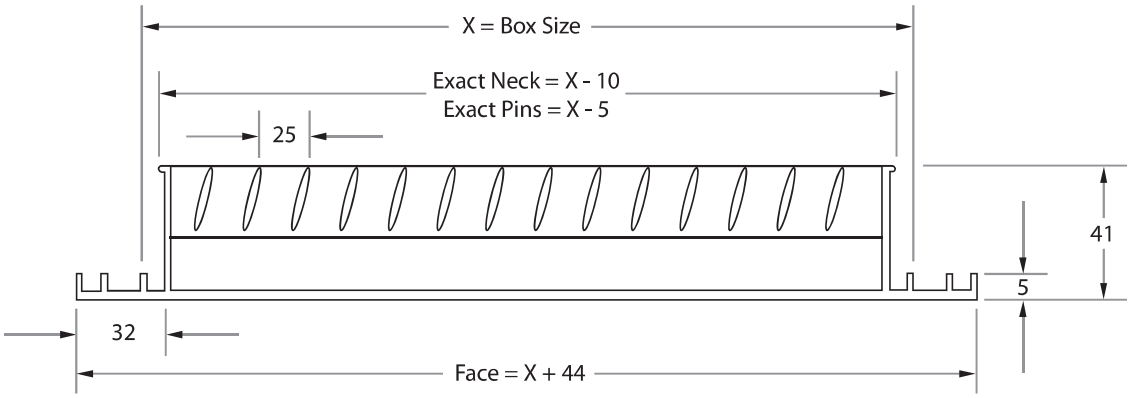


RCBG

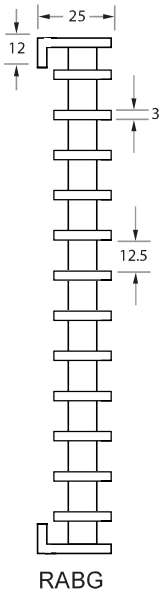
See next page for more dimensional drawings...

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Bar Grilles

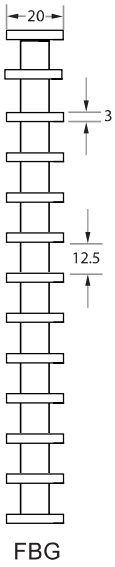


BAR GRILLE C/W REAR DEFLECTION BLADES



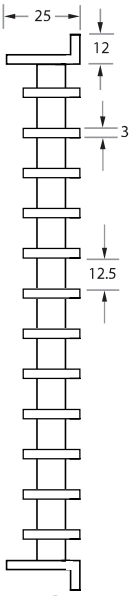
RABG

REVERSE ANGLE BAR GRILLE



FBG

FLANGELESS BAR GRILLE



BG

12mm FLANGE BAR GRILLE

Matching Ancillaries for Bar Grilles

UB	SB	EB	TDBM	TDBF	OBD	LSPRING	SS
							
see pg.135	see pg.136	see pg.136	see pg.126	see pg.125	see pg.118	see pg.192	see pg.121

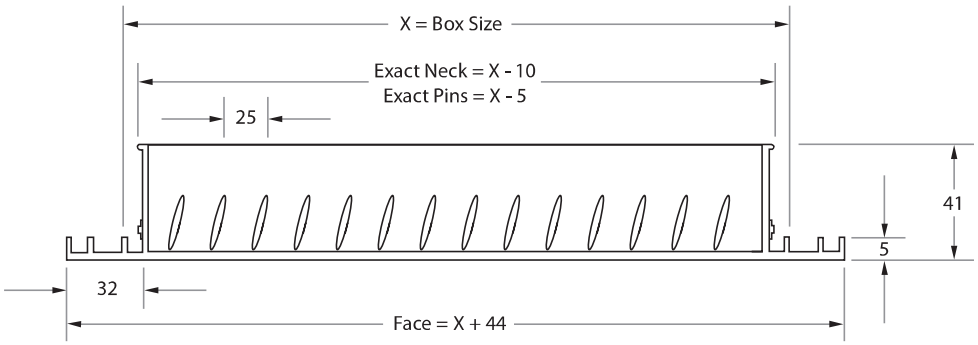
Single Deflection Register

Description
For supply air, having a single set of fully adjustable blades to give directional control of the air pattern in two directions if required. Suitable for wall or duct mounting. Also available with curved face for circular duct installations. Removable core is also available for ease of installation. Removable Core not available on curved face registers.

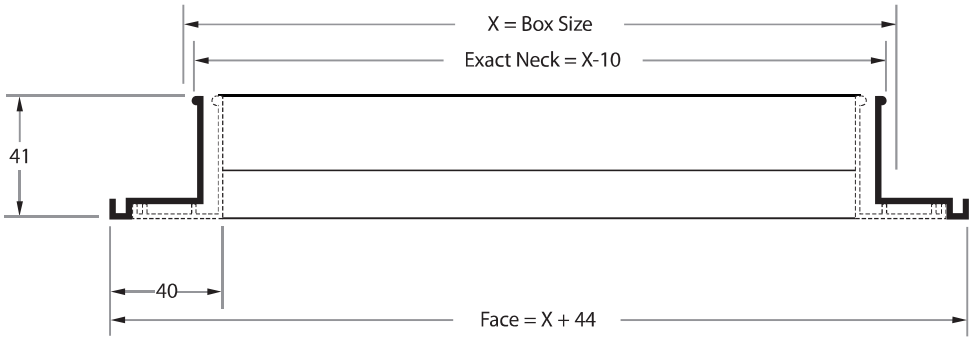


SDR

Construction
From extruded aluminium sections, ensuring functional strength and performance that also gives an attractive and aesthetically pleasing appearance. Incorporating a single set of individually adjustable blades, the blades may be set either horizontally or at angles, either up or down. Powder coated white as standard with optional colours and finishes available on request.



SDR



RCSDR

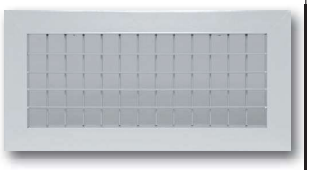
Matching Ancillaries for Single Deflection Registers

UB	SB	EB	TDBM	TDBF	OBD	LSPRING	SS
							
see pg.135	see pg.136	see pg.136	see pg.126	see pg.125	see pg.118	see pg.192	see pg.121

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Double Deflection Register

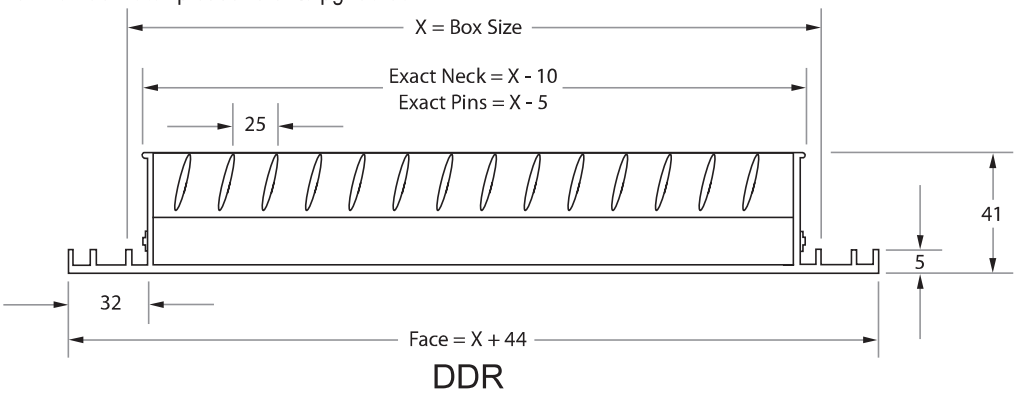
Description
For supply air, having a double set of fully adjustable blades to give directional control of the air pattern in four directions if required. Suitable for wall and duct mounting. Also available with curved face for circular duct installations as well as removable core for ease of installation. Removable Core not available on curved face registers.



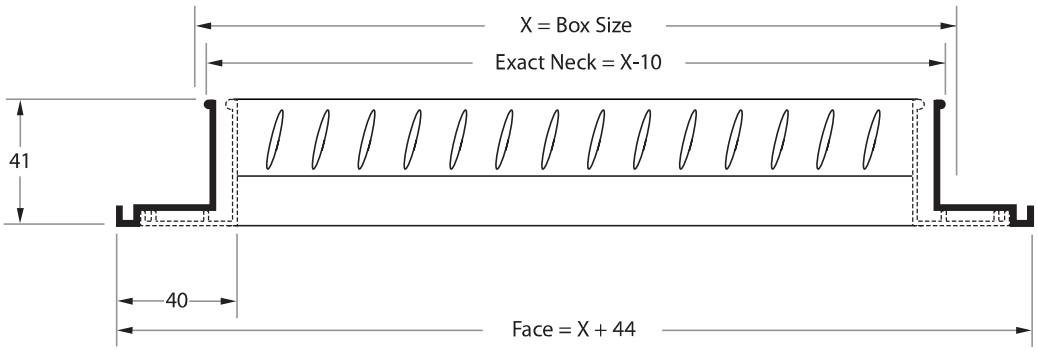
DDR

Construction
From extruded aluminium sections, ensuring functional strength and performance that also gives an attractive and aesthetically pleasing appearance. Incorporating two sets of individually adjustable blades, the front blades may be set either horizontally or at angles either up or down. Rear blades are adjusted in a similar way but only in a vertical plane. Powder coated white as standard with optional colours and finishes available on request.

Performance Data: please refer to pg. 56-58



DDR



RCDDR

Matching Ancillaries for Double Deflection Registers

UB	SB	EB	TDBM	TDBF	OBD	LSPRING	SS
							
see pg.135	see pg.136	see pg.136	see pg.126	see pg.125	see pg.118	see pg.192	see pg.121

Curved Face Double Deflection Register

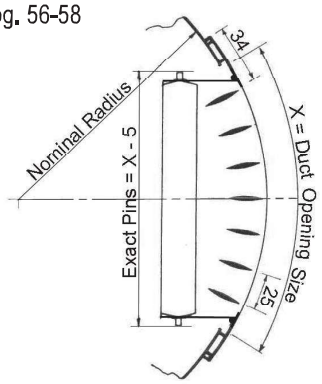
Description
For supply air, having a double set of fully adjustable blades to give directional control of the air pattern in four directions if required. Curved Face double deflection registers are manufactured to blend in with circular spiral duct.



CDDR

Construction
From extruded aluminium sections, ensuring functional strength and performance that also gives an attractive and aesthetically pleasing appearance. Incorporating two sets of individually adjustable blades, the front blades may be set either horizontally or at angles either up or down. Rear blades are adjusted in a similar way but only in a vertical plane. Powder coated white as standard with optional colours and finishes available on request.

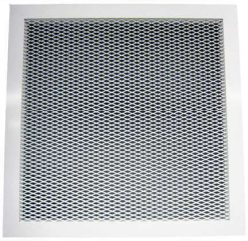
Performance Data: please refer to pg. 56-58



CDDR

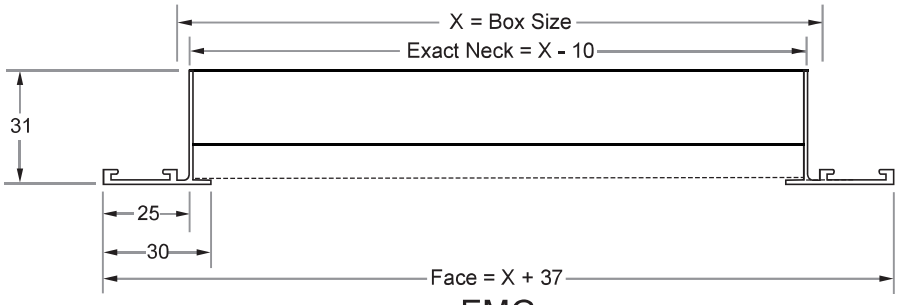
Expanded Mesh Grille

Description
Expanded Mesh Grilles can be used in return or exhaust air applications.



EMG

Construction
Frame is from extruded aluminium sections, ensuring functional strength and performance that also gives an attractive and aesthetically pleasing appearance. The diamond mesh core is fixed into the outer frame. Available in white or any special colours upon request.



EMG

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Weatherproof Louvres

Description
Suitable for both intake and return air applications. The Louvre blades offer a double weather stop design making it a unique and efficient solution in providing weather protection. Wide blade spacings enable improved airflow with reduced pressure drops and noise levels. The custom manufactured range offers a 25mm flange and blades set at 58mm centres. Also available with a 40mm flange.



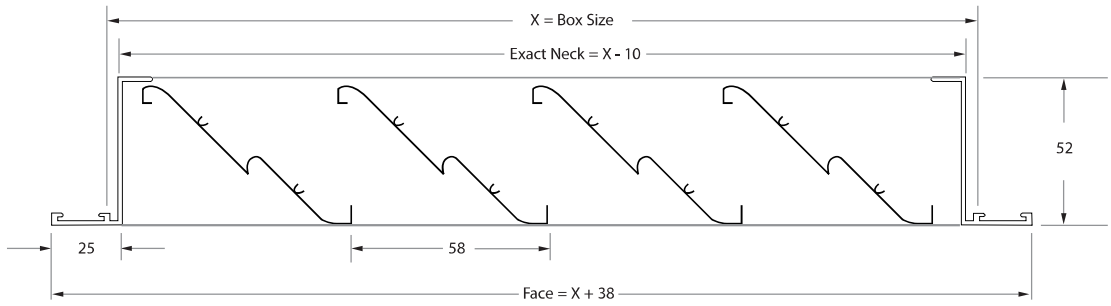
WPL

Construction
From high quality extruded aluminium sections. Hairline mitres are mechanically held for maximum strength and durability. Finished in natural anodised aluminium as standard with optional powder coated colours and finishes available on request. Available in removable core screw fixed through face. All weather louvres come complete with wire mesh.

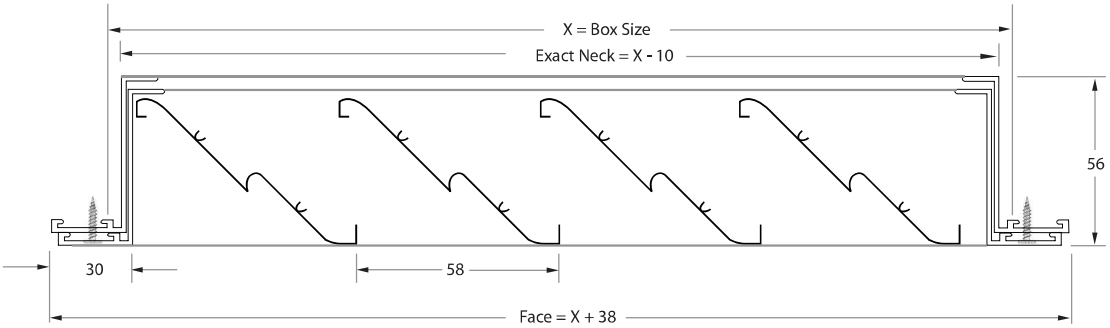
Free areas range between 44% and 76%.

Performance Data:
NC levels and pressure drops are given for louvres mounted in a sidewall at least 1200 mm up from the floor level. Results were obtained at Isothermal conditions.

For other performance or selection details please contact the supplier.

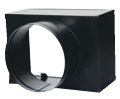
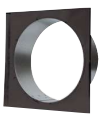
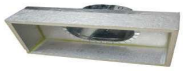


WPL



RCWPL

Matching Ancillaries for Weatherproof Louvres

UB	SOB	RN	TDBM	TDBF
				
see pg.135	see pg.69	see pg.19	see pg.126	see pg.125

QUICK SELECTION GUIDE FOR WEATHERPROOF LOUVRES

Nom. Neck (mm)	Equivalent Sizes (mm)	Free Area (m^2)	Face Velocity (m/s)	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50
			Pressure Drop (Pa)	2	4	8	12	18	24	32	40
150x150	225x100	0.009	Flow Rate (l/s)	9	13	18	22	26	31	35	40
			NC Level	<15	<15	<15	15	18	21	26	28
200x200	350x125	0.011	Flow Rate (l/s)	11	17	23	28	34	39	45	51
			NC Level	<15	<15	15	16	19	22	27	30
250x250	350x175 400x200 650x100	0.031	Flow Rate (l/s)	31	47	62	78	93	109	124	140
			NC Level	<15	<15	<15	16	20	24	28	31
300x300	350x250 600x150 450x200 950x100	0.046	Flow Rate (l/s)	46	69	93	116	139	162	185	208
			NC Level	<15	<15	16	19	23	27	31	34
350x350	400x300 600x200 500x250 850x150	0.065	Flow Rate (l/s)	65	97	129	162	194	227	259	291
			NC Level	<15	<15	17	22	27	30	35	38
400x400	400x350 750x200 600x300	0.087	Flow Rate (l/s)	87	130	173	217	260	303	347	390
			NC Level	<15	<15	19	25	30	33	38	41
450x450	500x400 700x300 600x350 800x250	0.112	Flow Rate (l/s)	112	168	225	281	337	393	449	505
			NC Level	<15	15	21	26	31	34	39	41
500x500	600x450 750x350 650x400 900x300	0.142	Flow Rate (l/s)	142	212	283	354	425	496	567	637
			NC Level	<15	16	22	26	31	35	40	42
550x550	600x450 750x350 650x400 900x300	0.181	Flow Rate (l/s)	181	271	362	452	542	633	723	814
			NC Level	<15	17	23	27	32	35	40	42
600x600	650x550 800x450 700x500 900x400	0.219	Flow Rate (l/s)	219	329	439	548	658	768	877	987
			NC Level	<15	18	24	27	33	36	41	43
650x650	700x600 800x500 1200x350	0.266	Flow Rate (l/s)	266	399	532	666	799	932	1065	1198
			NC Level	<15	19	24	28	33	37	41	44
700x700	750x650 1000x500 850x550	0.319	Flow Rate (l/s)	319	478	638	797	957	1116	1276	1435
			NC Level	15	20	25	29	34	37	42	44
750x750	850x650 1200x500 950x600	0.372	Flow Rate (l/s)	372	559	745	931	1117	1303	1489	1676
			NC Level	16	21	25	30	34	38	42	45
800x800	900x700 1200x550 1000x650	0.431	Flow Rate (l/s)	431	646	861	1077	1292	1507	1723	1938
			NC Level	17	22	26	30	35	38	43	46
850x850	900x800 950x750 1100x650 1200x600	0.494	Flow Rate (l/s)	494	741	988	1235	1482	1729	1976	2223
			NC Level	17	23	27	31	35	39	43	46
900x900	950x850 1200x650 1000x750	0.562	Flow Rate (l/s)	562	844	1125	1406	1687	1968	2250	2531
			NC Level	18	23	27	31	36	40	44	47
950x950	950x850 1200x650 1000x750	0.636	Flow Rate (l/s)	636	954	1272	1590	1909	2227	2545	2863
			NC Level	19	24	28	32	36	41	44	48
1000x1000	950x850 1200x650 1000x750	0.715	Flow Rate (l/s)	715	1073	1431	1789	2146	2504	2862	3220
			NC Level	19	25	28	32	37	41	45	48
1050x1050	950x850 1200x650 1000x750	0.800	Flow Rate (l/s)	800	1201	1601	2001	2401	2801	3202	3602
			NC Level	20	25	29	33	37	42	46	49
1100x1100	950x850 1200x650 1000x750	0.891	Flow Rate (l/s)	891	1337	1782	2228	2673	3119	3564	4010
			NC Level	20	26	29	33	38	42	46	49
1150x1150	950x850 1200x650 1000x750	0.988	Flow Rate (l/s)	988	1482	1975	2469	2963	3457	3951	4445
			NC Level	21	26	30	34	38	43	47	50
1200x1200	950x850 1200x650 1000x750	1.076	Flow Rate (l/s)	1076	1614	2152	2691	3229	3767	4305	4843
			NC Level	22	27	31	35	39	43	47	50

SAMPLE

Removable Core Weatherproof Louvre

Description
Suitable for both intake and return air applications. Quick release removable core provides easy access to rear and concealed fixing facilities and ease of installation. The Louvre blades offer a double weather stop design making it a unique and efficient solution in providing weather protection. Wide blade spacings enable improved airflow with reduced pressure drops and noise levels. The custom manufactured range offers blades set at 48mm centres.



RCWPL

Size
Available up to and including 2400mm perimeter range. To calculate the perimeter range for an RCWPL 600 x 600, see example below.

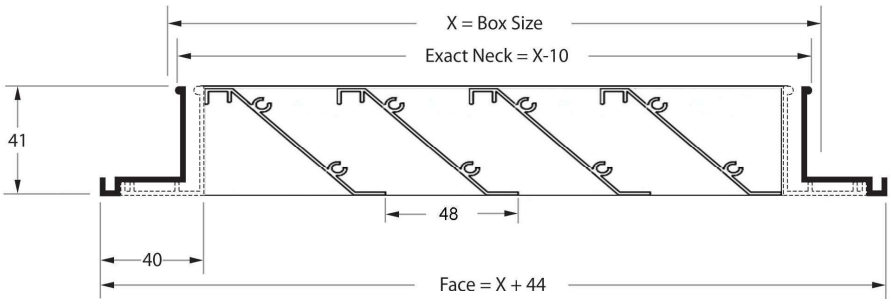
Example: 600 + 600 + 600 + 600 = 2400 Perimeter

Construction
From high quality extruded aluminium sections. Hairline mitres are mechanically held for maximum strength and durability. Finished in natural anodised aluminium as standard with optional powder coated colours and finishes available on request.

Free areas range between 40% and 76%.

Performance Data:
NC levels and pressure drops are given for louvres mounted in a sidewall at least 1200 mm up from the floor level. Results were obtained at Isothermal conditions.

For other performance or selection details please contact the supplier.



RCWPL

QUICK SELECTION GUIDE FOR REMOVABLE CORE WEATHERPROOF LOUVRES

Nom. Neck (mm)	Equivalent Sizes (mm)	Free Area (m^2)	Face Velocity (m/s)	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50
			Pressure Drop (Pa)	2	4	7	12	17	23	29	37
150x150	225x100	0.008	Flow Rate (l/s)	8	12	16	20	24	27	31	35
			NC Level	<15	<15	<15	15	18	21	26	28
200x200	350x125	0.010	Flow Rate (l/s)	10	15	20	25	30	35	41	46
			NC Level	<15	<15	15	16	19	22	27	30
250x250	350x175 400x200 650x100	0.030	Flow Rate (l/s)	30	45	60	75	90	105	120	135
			NC Level	<15	<15	<15	16	20	24	28	31
300x300	350x250 600x150 450x200 950x100	0.045	Flow Rate (l/s)	45	67	89	111	134	156	178	201
			NC Level	<15	<15	16	19	23	27	31	34
350x350	400x300 600x200 500x250 850x150	0.062	Flow Rate (l/s)	62	94	125	156	187	218	250	281
			NC Level	<15	<15	17	22	27	30	35	38
400x400	400x350 750x200 600x300	0.084	Flow Rate (l/s)	84	125	167	209	251	293	335	376
			NC Level	<15	<15	19	25	30	33	38	41
450x450	500x400 700x300 600x350 800x250	0.110	Flow Rate (l/s)	110	166	221	276	331	386	441	497
			NC Level	<15	15	21	26	31	34	39	41
500x500	600x450 750x350 650x400 900x300	0.139	Flow Rate (l/s)	139	209	279	348	418	487	557	627
			NC Level	<15	16	22	26	31	35	40	42
550x550	600x450 750x350 650x400 900x300	0.175	Flow Rate (l/s)	175	262	350	437	525	612	700	787
			NC Level	<15	17	23	27	32	35	40	42
600x600	650x550 800x450 700x500 900x400	0.216	Flow Rate (l/s)	216	324	432	540	647	755	863	971
			NC Level	<15	18	24	27	33	36	41	43
650x650	700x600 800x500 1200x350	0.262	Flow Rate (l/s)	262	393	524	655	786	918	1049	1180
			NC Level	<15	19	24	28	33	37	41	44
700x700	750x650 1000x500 850x550	0.314	Flow Rate (l/s)	314	471	628	786	943	1100	1257	1414
			NC Level	15	20	25	29	34	37	42	44
750x750	850x650 1200x500 950x600	0.367	Flow Rate (l/s)	367	550	734	917	1101	1284	1468	1651
			NC Level	16	21	25	30	34	38	42	45
800x800	900x700 1200x550 1000x650	0.424	Flow Rate (l/s)	424	637	849	1061	1273	1485	1698	1910
			NC Level	17	22	26	30	35	38	43	46
850x850	900x800 950x750 1100x650 1200x600	0.487	Flow Rate (l/s)	487	730	974	1217	1461	1704	1947	2191
			NC Level	17	23	27	31	35	39	43	46
900x900	950x850 1200x650 1000x750	0.554	Flow Rate (l/s)	554	832	1109	1386	1663	1941	2218	2495
			NC Level	18	23	27	31	36	40	44	47
950x950	950x850 1200x650 1000x750	0.627	Flow Rate (l/s)	627	941	1255	1568	1882	2196	2509	2823
			NC Level	19	24	28	32	36	41	44	48
1000x1000	950x850 1200x650 1000x750	0.706	Flow Rate (l/s)	706	1059	1411	1764	2117	2470	2823	3176
			NC Level	19	25	28	32	37	41	45	48
1050x1050	950x850 1200x650 1000x750	0.790	Flow Rate (l/s)	790	1184	1579	1974	2369	2763	3158	3553
			NC Level	20	25	29	33	37	42	46	49
1100x1100	950x850 1200x650 1000x750	0.879	Flow Rate (l/s)	879	1319	1758	2198	2638	3077	3517	3956
			NC Level	20	26	29	33	38	42	46	49
1150x1150	950x850 1200x650 1000x750	0.975	Flow Rate (l/s)	975	1462	1949	2437	2924	3411	3899	4386
			NC Level	21	26	30	34	38	43	47	50
1200x1200	950x850 1200x650 1000x750	1.076	Flow Rate (l/s)	1076	1614	2152	2691	3229	3767	4305	4843
			NC Level	22	27	31	35	39	43	47	50

SAMPLE

Half Chevrons

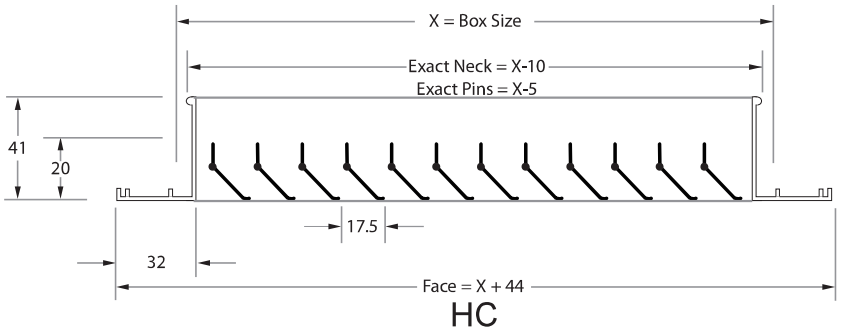
Description
For exhaust or return air, having a single set of fixed blades at 45 deg. at 17.5mm spacing. Available as either fixed, removable core or hinged. Quick release removable core and hinged models provide easy access to rear and concealed fixing facility and are available with or without filter. Suitable for wall mounting.



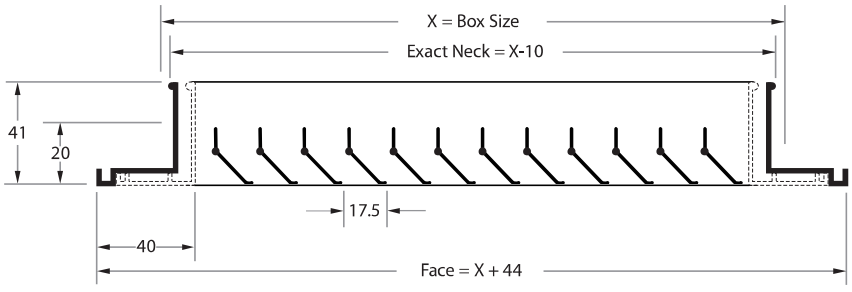
HC

Construction
From high quality aluminium extrusion in a variety of custom sizes. Blades are secured at a standard pitch of 17.5mm and at 45 deg. Finished in natural anodised aluminium as standard with optional powder coated colours and finishes available on request.

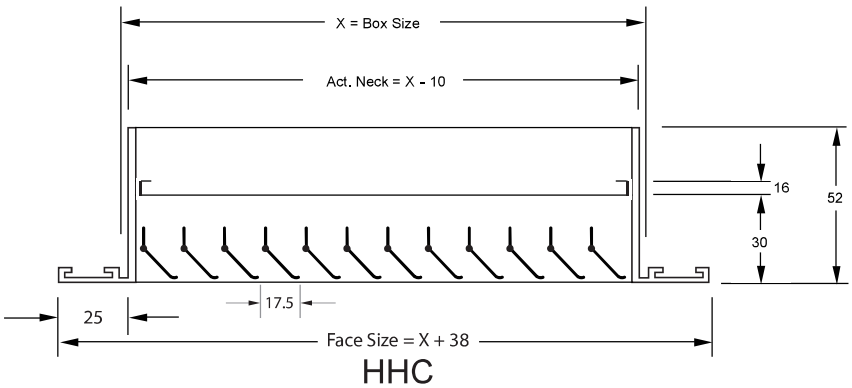
Performance Data
Throw values are based on grilles installed in the sidewall not more than 600mm below a flat ceiling. Terminal velocities are based on 0.25m/s.
NC levels and pressure drops are given for grilles with no filters or dampers attached.
For other performance or selection details please contact the supplier.



HC



RCHC



HHC

QUICK SELECTION GUIDE FOR HALF CHEVRON GRILLES

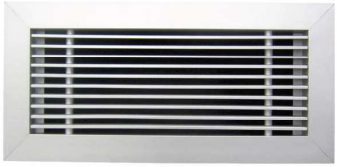
Nom. Neck (mm)	Equivalent Sizes (mm)	Neck Area (m²)	Neck Velocity (m/s)	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
			Pressure Drop (Pa)	7	12	19	28	38	50	63	77
150x150	225x100	0.017	Flow Rate (l/s)	25	34	42	51	59	68	76	84
			NC Level	<15	16	21	24	28	34	37	40
200x200	350x125	0.034	Flow Rate (l/s)	51	68	85	102	119	136	153	170
			NC Level	<15	23	28	33	35	39	41	44
250x250	350x175 650x100	0.056	Flow Rate (l/s)	84	113	141	169	197	225	253	281
			NC Level	<15	24	29	34	36	40	42	45
300x300	350x250 600x150 450x200 950x100	0.081	Flow Rate (l/s)	122	162	203	243	284	324	365	405
			NC Level	<15	24	29	35	37	40	43	45
350x350	400x300 600x200 500x250 850x150	0.110	Flow Rate (l/s)	165	221	276	331	386	441	496	551
			NC Level	<15	25	30	35	37	40	43	46
400x400	400x350 750x200 550x300	0.144	Flow Rate (l/s)	216	288	360	432	504	576	648	720
			NC Level	15	26	31	36	38	41	44	46
450x450	500x400 700x300 600x350 800x250	0.182	Flow Rate (l/s)	273	365	456	547	638	729	820	911
			NC Level	16	26	31	36	38	41	44	47
500x500	600x450 750x350 650x400 900x300	0.225	Flow Rate (l/s)	338	450	563	675	788	900	1013	1125
			NC Level	17	27	32	37	39	42	45	48
550x550	600x450 750x350 650x400 900x300	0.272	Flow Rate (l/s)	408	545	681	817	953	1089	1225	1361
			NC Level	18	28	33	37	39	42	45	48
600x600	650x550 800x450 700x500 900x400	0.324	Flow Rate (l/s)	486	648	810	972	1134	1296	1458	1620
			NC Level	18	28	33	37	40	43	46	49
650x650	700x600 800x500 1200x350	0.380	Flow Rate (l/s)	570	761	951	1141	1331	1521	1711	1901
			NC Level	19	29	34	38	40	43	46	49
700x700	750x650 1000x500 850x550	0.441	Flow Rate (l/s)	662	882	1103	1323	1544	1764	1985	2205
			NC Level	20	30	34	38	41	44	47	50
750x750	850x650 1200x500 950x600	0.506	Flow Rate (l/s)	759	1013	1266	1519	1772	2025	2278	2531
			NC Level	21	30	35	39	41	45	47	50
800x800	900x700 1200x550 1000x650	0.576	Flow Rate (l/s)	864	1152	1440	1728	2016	2304	2592	2880
			NC Level	22	31	35	39	42	45	48	51
850x850	900x800 950x750 1100x650 1200x600	0.650	Flow Rate (l/s)	975	1301	1626	1951	2276	2601	2926	3251
			NC Level	23	32	36	40	43	46	48	51
900x900	950x850 1200x650 1000x750	0.729	Flow Rate (l/s)	1094	1458	1823	2187	2552	2916	3281	3645
			NC Level	23	32	37	41	43	46	49	52

SAMPLE

sales@supplyplus.biz I © Malsa Pty Ltd

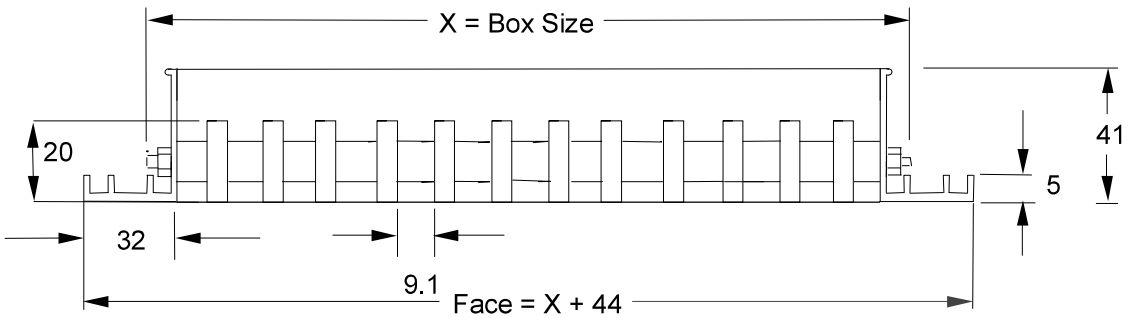
Floor Grille

Description
For supply or return air, suitable for floor applications. Floor grilles are only available as fixed core in both 15 and 0 degree deflection. Available in natural anodised or any special colours upon request.



FG

Construction
From extruded aluminium sections. Hairline mitres are mechanically held for maximum strength and durability. Blades are spaced at 9.1mm as standard, however also available in 6mm upon request. Round spacers form the mullions for support between the blades. Angles are welded at the back of the grille for extra strength and support.



FG

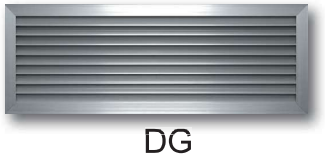
Matching Ancillaries for Floor Grilles

UB	SB	EB	TDBM	TDBF	OBD
					
see pg.135	see pg.136	see pg.136	see pg.126	see pg.125	see pg.118-119

Door Mounted Grilles

Door Grille

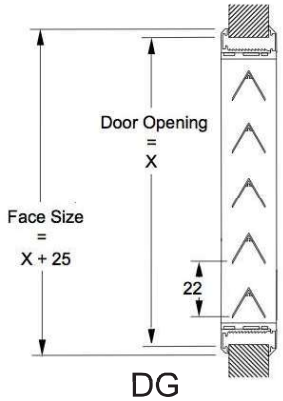
Description
For air relief, having a single set of fixed blades. Easy snap together installation with no drilling required. Suitable for door thicknesses of 30-45mm, all Door Grilles come complete with a telescopic back frame for an aesthetic appearance on both sides of the door.



DG

Construction
From high quality extruded aluminium sections, blades are fixed at 22mm centres. Hairline mitres are mechanically held for maximum strength and durability. Finished in natural anodised aluminium as standard with optional powder coated colours and finishes available on request.

Average Free Area Approx. 50%



DG

Performance Data
NC levels and pressure drops are given for grilles mounted in a door with no filters attached.

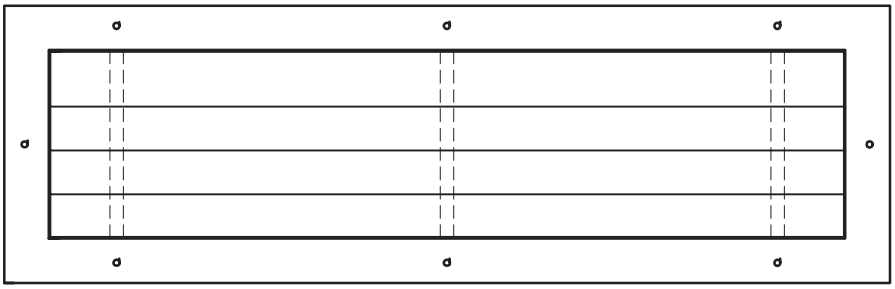
For other performance or selection details please contact the supplier.

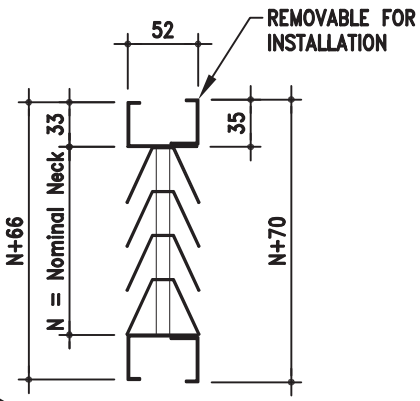
Nom. Neck (mm)	Equivalent Sizes (mm)	Neck Area (m^2)	Neck Velocity (m/s)	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25
			Pressure Drop (Pa)	2	4	7	11	16	22	29	36
150x150	225x100	0.017	Flow Rate (l/s)	8	13	17	21	25	30	34	38
			NC Level	<15	<15	<15	15	18	20	23	25
200x200	350x125	0.034	Flow Rate (l/s)	17	26	34	43	51	60	68	77
			NC Level	<15	<15	15	16	18	21	25	28
250x250	350x175 650x100	0.056	Flow Rate (l/s)	28	42	56	70	84	98	113	127
			NC Level	<15	<15	16	17	19	22	26	29
300x300	350x250 600x150 450x200 950x100	0.081	Flow Rate (l/s)	41	61	81	101	122	142	162	182
			NC Level	<15	<15	16	18	20	22	27	30
350x350	400x300 600x200 500x250 850x150	0.110	Flow Rate (l/s)	55	83	110	138	165	193	221	248
			NC Level	<15	<15	17	19	21	23	27	31
400x400	400x350 750x200 550x300	0.144	Flow Rate (l/s)	72	108	144	180	216	252	288	324
			NC Level	<15	15	17	20	22	24	28	32
450x450	500x400 700x300 600x350 800x250	0.182	Flow Rate (l/s)	91	137	182	228	273	319	365	410
			NC Level	<15	15	18	20	23	25	29	32
500x500	600x450 750x350 650x400 900x300	0.225	Flow Rate (l/s)	113	169	225	281	338	394	450	506
			NC Level	<15	16	18	21	23	26	30	33
550x550	600x450 750x350 650x400 900x300	0.272	Flow Rate (l/s)	136	204	272	340	408	476	545	613
			NC Level	<15	16	19	21	24	26	30	34
600x600	650x550 800x450 700x500 900x400	0.324	Flow Rate (l/s)	162	243	324	405	486	567	648	729
			NC Level	<15	17	20	22	25	27	31	35
650x650	700x600 800x500 1200x350	0.380	Flow Rate (l/s)	190	285	380	475	570	665	761	856
			NC Level	15	18	21	23	26	28	31	36
700x700	750x650 1000x500 850x550	0.441	Flow Rate (l/s)	221	331	441	551	662	772	882	992
			NC Level	16	18	22	24	27	29	33	37
750x750	850x650 1200x500 950x600	0.506	Flow Rate (l/s)	253	380	506	633	759	886	1013	1139
			NC Level	16	19	23	25	28	30	34	38
800x800	900x700 1200x550 1000x650	0.576	Flow Rate (l/s)	288	432	576	720	864	1008	1152	1296
			NC Level	17	20	23	26	29	31	35	39
850x850	900x800 950x750 1100x650 1200x600	0.650	Flow Rate (l/s)	325	488	650	813	975	1138	1301	1463
			NC Level	18	21	24	27	30	32	35	40
900x900	950x850 1200x650 1000x750	0.729	Flow Rate (l/s)	365	547	729	911	1094	1276	1458	1640
			NC Level	19	22	25	28	31	33	36	40

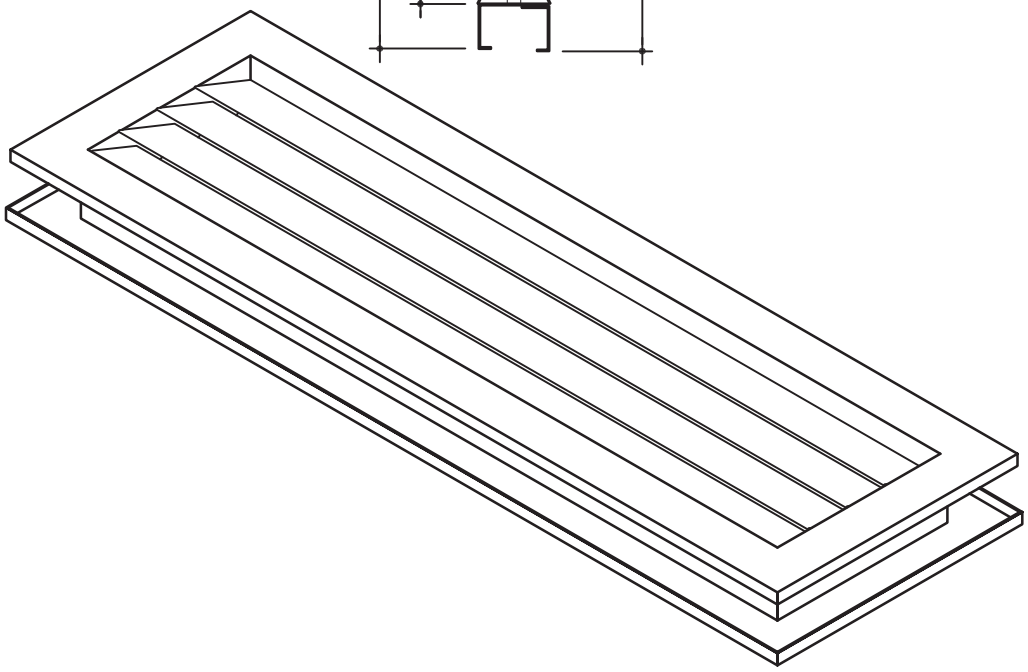
SAMPLE

Vandal Resistant Door Grille

Specially manufactured grilles can be manufactured on request.
Lead time applies.





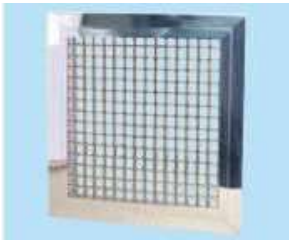


Polished Aluminium Grilles

Specially manufactured grilles can be made for unique applications.
Lead time applies.



Ceiling Diffuser



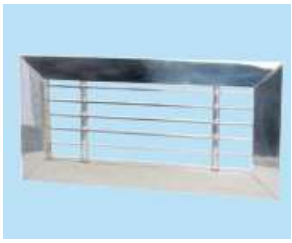
Eggcrate Grille



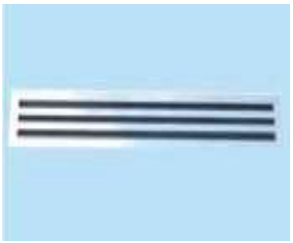
Removable Core Half Chevron



Round Diffuser



Bar Grille



Linear Slot Diffuser

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THERMA-FUSERS

Product Code	Face Size Metric	Inlet Designation Imperial	Price
STHC6	595 x 595 Face	6	$816.00
STHC8	595 x 595 Face	8	$816.00
STHC10	595 x 595 Face	10	$816.00
STHC12	595 x 595 Face	12	$816.00

Grilles are white
STHC is a thermal VAV diffuser with full modulation on both heating and cooling



THERMA-FUSERS

Product Code	Face Size Metric	Inlet Designation Imperial	Price
TFHC6	595 x 595 Face	6	$1003.00
TFHC8	595 x 595 Face	8	$1003.00
TFHC10	595 x 595 Face	10	$1003.00
TFHC12	595 x 595 Face	12	$1003.00

Grilles are white
TFHC comes with 4 blade damper that provides superior throw with 66 linear inches of variable discharge area
For both heating & cooling



LINEAR SLOT THERMA-FUSER

Product Code	Price
TL	POA



SIDEWALL LINEAR VAV THERMA-FUSER

Product Code	Price
TLW	POA

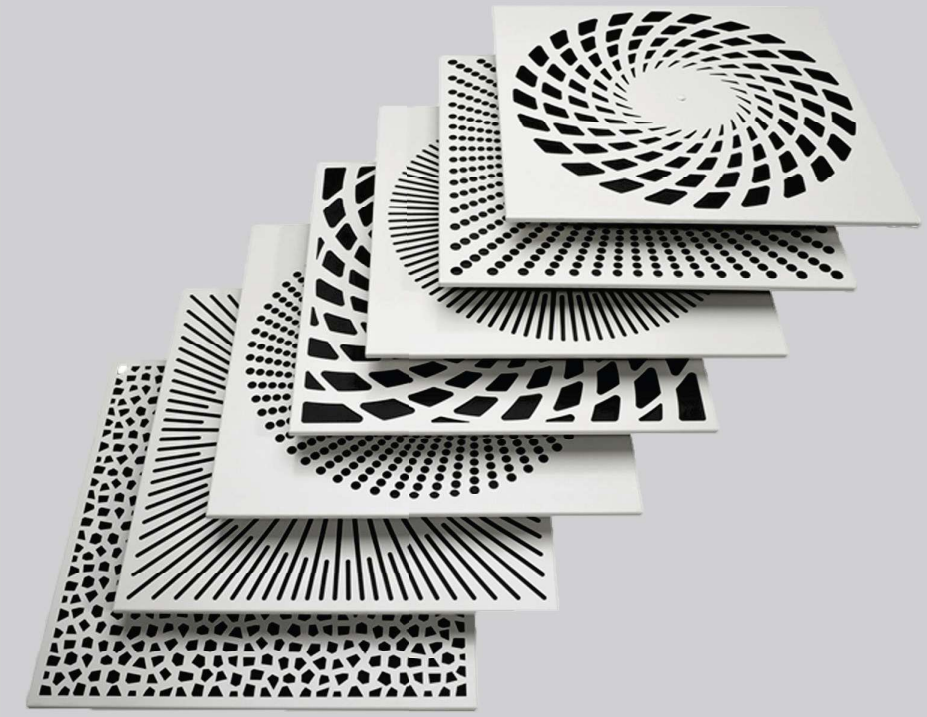


NOTE: FOR VAV BOXES - PLEASE CHECK THE TROX SECTION - pg.116

Notes

TROX® TECHNIK

The art of handling air



TROX® TECHNIK
The art of handling air

SUPPLY PLUS

	Products Available	Type
1	Grilles	ASL · SL · AT · TR · VAT · TRS
	Grilles for rectangular or circular ducts	TRS-K · TRS-R
2	Disc Valves	LVS · Z-LVS
3	Jet Nozzles	DUK
4	Floor Diffusers	FB
5	Slot Diffusers	VSD15
	Slot Diffusers	VSD35
	Slot Diffusers	VSD50
6	New Swirl Diffuser Range	XARTO
	Swirl Diffusers	RFD
	Swirl Diffusers	DCS
	Wavestream	WQ90
	Swirl Diffusers	FD
	Swirl Diffusers	TDF-SA
	Swirl Diffusers	VDW
	Swirl Diffusers	TDV-SA
	Swirl Diffusers	VDL
7	Flexible Plenum Boxes	FLEXTRO
8	Ceiling Diffusers	VDR
	Ceiling Diffusers	DLQ
	Ceiling Diffusers	DLQL
	Ceiling Diffusers	ADLR
9	Multi-Leaf Dampers	JZ-A · JNE-A · JZ-B · JNE-B · JZD-B · JZ-L · JNE-L
	Multi-Leaf Dampers	JZ-G · JZD-G
10	Weather Resistant Louvres	WG · AWG · WGE · AWK
11	Fire Dampers	FK-K90
	Fire Dampers	FK-K90-LD
	Fire Dampers	EN-FKS-K90
	Fire Dampers	FKR-01-K90 · FKR-02-K90
	Fire Dampers	FKRS-02-K90
	Fire Dampers	Ancillary components
	Fire Dampers	Accessories
12	VARYCONTROL VAV Terminal Boxes	TVZ · TVA
	VARYCONTROL VAV Controllers	TVR
	VARYCONTROL VAV Controllers	TVR-Easy
	VARYCONTROL VAV Controllers	TVJ/TVT-Easy
	VARYCONTROL	VAV-EasySet
13	Flow Rate Limiter	VFL
	Air Terminal Units	RN · RNS
	Air Terminal Units	EN
14	Circular Attenuators	C / CA · CF · CS
	Circular Attenuators	C / CB
	Rectangular Splitter Attenuators Splitters	MSA

Note: Prices on Application. For quotations please contact us on (02) 9724 9297

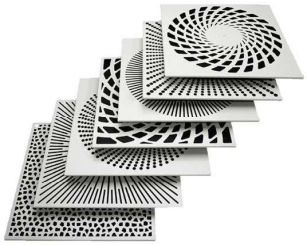
NEW SWIRL DIFFUSER
RANGE NOW AVAILABLE

SUPPLY PLUS

Type XARTO swirl diffusers meet the most demanding requirements in terms of technology, comfort, and design.

Advantages

Face plates come in classic, modern and flamboyant styles and can be creatively integrated with all types of ceilings. They form in fact an attractive design element for building owners and architects.
The combination of swirl unit, newly developed air distribution element and innovative plenum box provides high volume flow rates, a low sound power level and low differential pressure.



The air control blades of the swirl unit have three-dimensionally profiled contours to create an efficient swirl. Hence, the air velocity and temperature difference in the occupied zone are very low, and the level of comfort is excellent.
A spigot with double lip seal provides a low leakage connection of the plenum box to the ducting, and a damper blade for flow rate balancing simplifies commissioning.



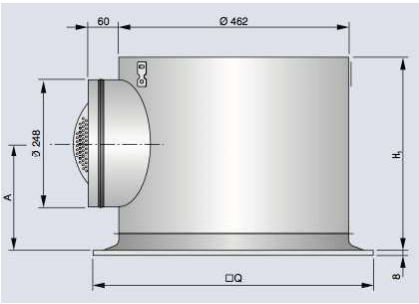
- 10 different face plates offer a multitude of possibilities
- Excellent comfort level as a result of low air velocities and low temperature differences in the occupied zone
- Newly developed air distribution element to ensure a uniform air flow through the supply air diffuser
- Acoustically optimised damper blade for flow rate balancing
- Spigot with double lip seal

Characteristics

- Square face plates with circular or square diffuser face style
- For supply or extract air
- For installation into suspended ceilings
- Suitable for all types of ceilings
- Side entry spigot
- Damper blade for flow rate balancing, can be set in 15° intervals between 0 and 90°
- Plastic parts made of flame retardant plastic, compliant with German building regulations

Construction features

- Spigot with double lip seal suitable for circular ducts according to EN 1506 or EN 13180.
- Three hanging brackets to suspend the unit using wires, threaded rods, or metal hangers; the hanging system has to be provided by the customer.
- For 600 and 625 mm ceiling grids.



Materials

- Plenum box and face plate made of galvanised sheet steel, crossbar made of galvanised steel
- Swirl unit, spigot and damper blade made of ABS plastic, UL94, flame retardant (V0)
- Air distribution element made of synthetic fibre
- Face plate powder-coated, pure white (RAL9010)

Dimensions in mm		
Face style	H_1	A
-Q... □	371	220
-R... ○	356	205

Dimensions in mm	
Nominal size	□Q
600	598
625	623

Weight in kg		
Face style	-Z	-A
-Q □	9.5	9.0
-R ○	9.0	8.5

Face plates

Q1



Q2



Q3



Q4



Q5



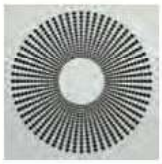
R1



R2



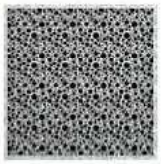
R3



R4



Q6



Volume flow rate and total differential pressure for a given sound power level

Diffuser type		Damper blade open															Correction values for different damper blade positions			
		L_{WA} = 30 dB(A)			L_{WA} = 35 dB(A)			L_{WA} = 40 dB(A)			L_{WA} = 45 dB(A)			L_{WA} = 50 dB(A)			45°	90°	45°	90°
	$\dot{V}_{min}$		$\dot{V}$		Δp_t	$\dot{V}$		Δp_t	$\dot{V}$		Δp_t	$\dot{V}$		Δp_t	$\dot{V}$		Δp_t	Δp_t ×		L_{WA} +	
	l/s	m³/h	l/s	m³/h	Pa	l/s	m³/h	Pa	l/s	m³/h	Pa	l/s	m³/h	Pa	l/s	m³/h	Pa			dB	dB
Supply air																					
Q1 ☐	90	325	145	520	24	170	610	32	195	700	44	230	830	60	270	970	83	1.6	2.9	1	14
Q2 ☐			140	505	23	165	595	32	195	700	44	225	810	59	265	955	81	1.6	2.8	1	13
Q3 ☐			145	520	23	170	610	31	200	720	42	230	830	58	270	970	79	1.6	2.9	1	14
Q4 ☐			135	485	23	160	575	31	185	665	42	220	790	58	255	920	80	1.5	2.5	0	12
Q5 ☐			145	520	23	170	610	31	200	720	42	230	830	57	270	970	78	1.6	2.9	1	14
Q6 ☐			145	520	24	170	610	32	200	720	44	235	845	59	275	990	81	1.6	3.0	1	14
R1 ○			125	450	18	150	540	25	175	630	35	205	740	49	250	900	69	1.5	2.7	0	10
R2 ○			130	470	19	155	560	27	180	650	37	215	775	52	255	920	72	1.5	2.7	0	11
R3 ○			130	470	19	150	540	26	180	650	36	210	755	51	250	900	71	1.5	2.6	0	10
R4 ○			120	430	18	140	505	25	165	595	35	195	700	49	230	830	68	1.4	2.3	0	8
Extract air																					
Q1 ☐			165	595	13	190	685	18	225	810	25	260	935	34	305	1100	47	2.0	5.0	6	16
Q2 ☐			160	575	13	185	665	18	215	775	25	255	920	33	295	1060	45				
Q3 ☐			165	595	12	190	685	16	220	790	22	255	920	30	300	1080	41				
Q4 ☐			155	560	13	180	650	18	210	755	24	245	880	33	285	1025	45				
Q5 ☐			165	595	13	190	685	18	225	810	24	260	935	33	305	1100	45				
Q6 ☐			160	575	13	190	685	18	225	810	24	260	935	34	310	1115	46				
R1 ○			160	575	13	185	665	17	220	790	24	255	920	32	300	1080	44				
R2 ○			160	575	13	185	665	17	215	775	24	250	900	32	295	1060	44				
R3 ○			160	575	13	185	665	17	215	775	23	250	900	31	290	1045	42				
R4 ○			145	520	14	170	610	19	200	720	26	235	845	35	275	990	49				

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Flexible Plenum Boxes - Type FLEXTRO



The flexible plenum boxes of the FLEXTRO type are characterised by their innovative design, which combines aerodynamic function and easy handling in the best possible way. What is more, they provide a high degree of architectural flexibility as they can be fitted with a wide variety of different ceiling diffusers and hence be integrated into any type of ceiling system.
The plenum box folds flat for transport and storage and takes up very little space. Erecting the plenum box is easy and it is ready for installation in no time at all.
The unique shape of the plenum box and a newly developed air distribution element provide a particularly efficient air discharge and a uniform air flow through the ceiling diffuser. As a consequence, the air is evenly distributed in the room.
A spigot with double lip seal provides a low leakage connection of the plenum box to the ducting, and a damper blade for flow rate balancing simplifies commissioning.

Advantages
- Up to 50 % less weight; approximately 60 % less transport and storage space required
- Easy to transport; easy and quick to erect for installation
- Newly developed air distribution element to ensure a uniform air flow through a supply air diffuser
- Acoustically optimised damper blade for flow rate balancing
- Spigot with double lip seal

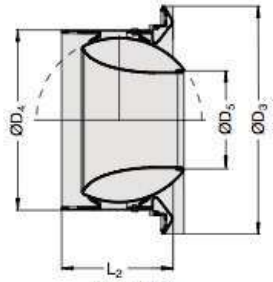
Volume flow rate and total differential pressure for a given sound power level

Diffuser type		Damper blade open																Correction values for different damper blade positions			
				L_{WA} = 30 dB(A)			L_{WA} = 35 dB(A)			L_{WA} = 40 dB(A)			L_{WA} = 45 dB(A)			L_{WA} = 50 dB(A)			45°	90°	45°	90°
		$\dot{V}_{min}$		$\dot{V}$		Δp_t	$\dot{V}$		Δp_t	$\dot{V}$		Δp_t	$\dot{V}$		Δp_t	$\dot{V}$		Δp_t	Δp_t ×		L_{WA} +	
		l/s	m³/h	l/s	m³/h	Pa	l/s	m³/h	Pa	l/s	m³/h	Pa	l/s	m³/h	Pa	l/s	m³/h	Pa			dB	dB
Supply air																						
AIRNAMIC	R 400L	40	145	75	270	9	85	305	13	105	380	18	125	450	26	145	520	37	1.3	2.1	0	0
AIRNAMIC	R 400H	70	250	105	380	16	125	450	22	145	520	31	175	630	44	205	740	62	1.5	2.4	0	1
AIRNAMIC	R 600	115	415	175	630	23	210	755	33	245	880	46	290	1045	64	345	1240	89	1.9	3.4	6	10
AIRNAMIC	Q 600 Q 625	125	450	205	740	29	240	865	39	280	1010	53	325	1170	71	375	1350	97	1.9	4.2	8	16
VDW 600 × 24 VDW 625 × 24		85	305	155	560	25	185	665	35	215	775	47	250	900	65	295	1060	89	1.6	2.8	2	7
FD 600 · FD 625		60	215	120	430	19	140	505	27	165	595	38	200	720	53	235	845	75	1.5	2.4	1	2
TDF 600 TDF 625		120	430	150	540	26	175	630	36	210	755	51	245	880	71	290	1045	100	1.5	2.6	2	5
TDV 600 TDV 625		130	470	175	630	30	200	720	40	235	845	54	275	990	73	315	1135	99	1.6	3.0	5	8
DLQ / ADLQ 600 DLQ / ADLQ 625		220	790	220	790	32	255	920	45	300	1080	62	355	1280	87	420	1510	121	2.1	4.1	11	16
Extract air																						
AIRNAMIC	R 400L			110	395	16	130	470	22	155	560	32	185	665	45	225	810	65	1.1	2.3	0	6
AIRNAMIC	R 400H			125	450	18	145	520	25	175	630	35	205	740	49	240	865	68	1.3	2.6	1	9
AIRNAMIC	R 600			165	595	13	190	685	18	225	810	25	260	935	34	305	1100	46	1.6	4.8	5	16
AIRNAMIC	Q 600 Q 625			170	610	11	200	720	16	240	865	22	280	1010	30	330	1190	42	1.9	5.8	6	16
VDW 600 × 24 VDW 625 × 24				190	685	12	220	790	16	255	920	22	300	1080	30	345	1240	40	2.0	6.5	7	20
FD 600 · FD 625				130	470	15	150	540	20	175	630	27	205	740	37	240	865	51	1.6	3.1	4	12
TDF 600 TDF 625				125	450	15	145	520	20	170	610	28	200	720	39	235	845	54	1.2	3.0	0	12
TDV 600 TDV 625				155	560	16	180	650	21	210	755	28	240	865	38	280	1010	51	1.4	3.8	3	16
DLQ / ADLQ 600 DLQ / ADLQ 625				185	665	9	220	790	13	260	935	18	305	1100	25	360	1295	35	2.3	7.8	7	22

Jet Nozzles - Type DUK



DUK

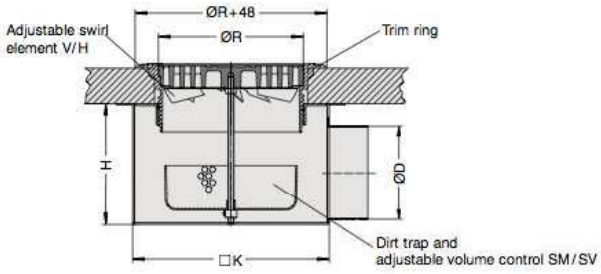


DUK-V

Throw distance and pressure drop										
V̇ (m³/h)	75	100	150	250	400	600	800	1000	1250	1500
Size	X (m)	X (m)	X (m)	X (m)	X (m)	X (m)	X (m)	X (m)	X (m)	X (m)
	Δpt (Pa)	Δpt (Pa)	Δpt (Pa)	Δpt (Pa)	Δpt (Pa)	Δpt (Pa)	Δpt (Pa)	Δpt (Pa)	Δpt (Pa)	Δpt (Pa)
100	8	11								
	50	100								
125	6	9	11							
	25	50	100							
160	5	6	9	12						
	10	20	40	100						
200		5	7	9	18					
		10	15	40	100					
250			5	7	15	22				
			5	15	40	90				
315				5	11	17	23	28		
				5	15	30	60	90		
400					8	13	18	23	28	32
					5	10	15	25	40	60

Floor Diffusers - Type FB





Plastic		
Type	vertical V̇max (m³/h)	horizontal V̇max (m³/h)
FBK-150	100	50
FBK-200	135	90

Aluminium		
Type	vertical V̇max (m³/h)	horizontal V̇max (m³/h)
FBA-150	110	60
FBA-200	135	90

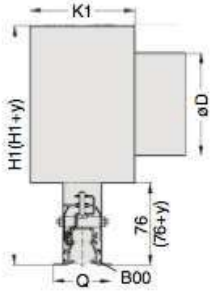
Dimensions (mm)				
Size	ØD	ØR	□K	H
150	98	150	200	125
200	123	200	250	150

Sound power level is L_{WA} ≦ 35 dB(A) in all cases
Total pressure drop Δp_t ≦ 40 Pa

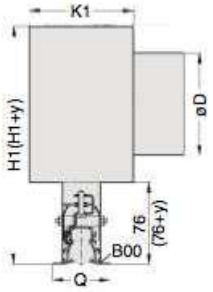
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Slot Diffusers - Type VSD





VSD35-1...4-AS



VSD50-1...2-AS

Throw distance X (m) · VSD35-2

air discharge horizontal, one direction

$\dot{V}$	L_1 (mm)									
	600	750	900	1050	1200	1350	1500	1650	1800	1950
80	5.5									
100	8.3	5.5	3.2							
120		7.5	5.5	3.2						
140			7.1	5.5	3.4					
160				6.7	5.5	3.6				
180				8.8	6.4	5.5	3.7			
200					8.3	6.2	5.5	3.8		
220						7.8	6.1	5.5	3.9	
240							7.5	5.9	5.5	3.9
260								7.3	5.8	5.5
280								8.7	7.1	5.8
300									8.3	6.9
320										8.0

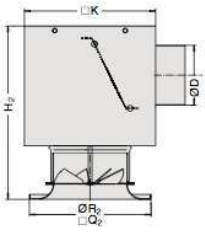
Throw distance X (m) · VSD50-2

air discharge horizontal, one direction

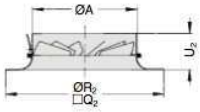
$\dot{V}$	L_1 (mm)									
	600	750	900	1050	1200	1350	1500	1650	1800	1950
80	3.0									
90	5.5									
100	6.8	3.0								
110	8.1	5.3	3.0							
120		6.2	3.0	3.0						
140		8.4	5.9	3.0						
160			7.7	5.6	3.0					
180				7.1	5.5	3.0				
200				8.7	6.8	5.3	3.0			
220					8.1	6.5	5.3	3.0		
240						7.7	6.2	5.1	3.0	
260							7.3	6.1	5.0	
280							8.4	7.0	5.9	3.0
300								8.0	6.8	5.8
320									7.7	6.5
340									8.6	7.4
360										8.3

Swirl Diffusers - Type RFD





RFD-Q/R-D-A



RFD-Q/R-D-K

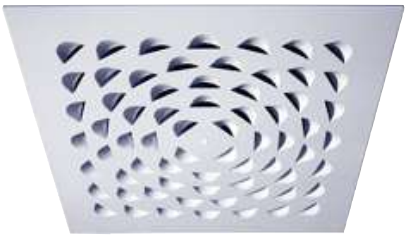
Flow rate (m^3/h) – Arrangement single-row

Size	A (m)						
	0	1.2	1.8	2.4	3.0	3.6	4.2
125	126	120	100	105	115	125	125
160	180	160	140	140	150	170	180
200	250	250	170	170	190	210	240
250	395	395	210	210	220	240	280
315	610	610	310	310	330	360	410
400	820	870	350	370	410	470	520

Dimensions (mm)

Size	ØA	ØD	H_2	U_2	U_4	$□Q_2$	$ØR_2$	□K
125	123	98	284	75	153	198	200	216
160	158	123	309	78	158	248	250	266
200	198	158	339	78	161	248	300	290
250	248	198	384	75	166	298	350	476
315	313	248	444	88	183	398	450	567
400	398	313	509	88	193	498	580	615

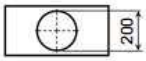
Wavestream - Type WQ90



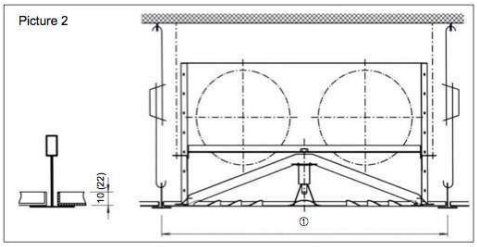
The quadratic ceiling air diffusers type WQ90 with their high induction are interesting in terms of energy and can be installed in practically any room 2.4 - 4.4 m high, for which a technical impeccable solution and perfect, aesthetic integration are consid- ered important. WQ90 is designed with concave, wave-shaped, air permeable openings arranged in a circle. High induction thanks to the fine division of the air volume into a large number of individual pulsating air jets. Low flow resistance. WQ90 could be applied either in a new building or a renovation, just remove the ceiling panels and install WQ90- there are no cut-outs or projections. The WQ90 is the correct choice for either VAV or constant volume.

2. Plenum box, 1 branch connection Ø200, with perforated metal sheet

Air flow rate [m^3/h]	Sound power level Lw [dB(A)]	Static pressure drop ΔPs [Pa]	Eff. discharge velocity Veff [m/s]
250	20	10	2.1
300	26	14	2.5
350	31	19	2.9
400	35	25	3.3
450	38	31	3.7
500	42	38	4.1
550	45	46	4.5
600	47	55	4.9



Picture 2

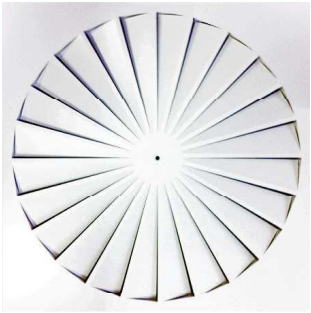


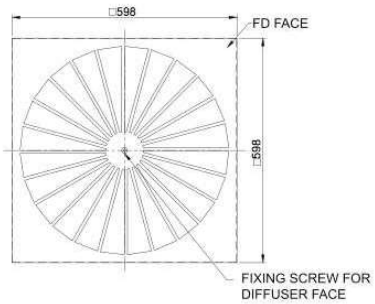
Type	Nom. dimension [mm]	Grid dimension [mm]
WQ90...	599×599×7	600×600
	624×624×7	625×625

WQ90 with 90° facet for grid dimens. □600mm or □625mm inserted in ceiling profile from above

① Grid dimension

Swirl Diffusers - Type FD24



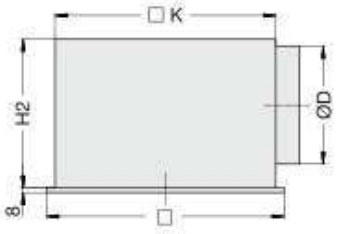


Type	Air Flow (l/s)	ΔP (Pa)	NC Level	SPL in dB(A)
FD600-24/ 0	275	20	NC 38	44
	220	12	NC 35	41
FD600-24/ 1	177	11	NC 35	41
	150	8	NC 30	36
	101	4	NC 25	29
FD600-24/ 2	165	17	NC 35	39
	141	12	NC 30	36
	100	7	NC 25	29
FD600-24/ 3	140	23	NC 35	40
	123	19	NC 30	36
	92	10	NC 25	29
FD600-24/ 4	108	34	NC 35	39
	91	24	NC 30	35
	72	15	NC 25	29

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Swirl Diffusers - Type VDW



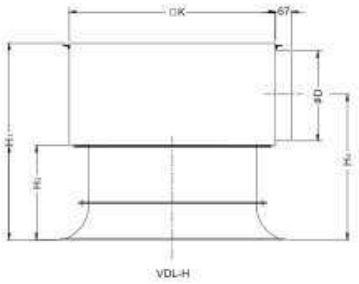


Air Flow Rate (l/s) - For single row arrangement							
Size	Distance between diffusers, A (m)						
	0	1.2	1.8	2.4	3.0	3.6	4.2
300 x 8	69	58	53	56	58	69	69
400 x 16	108	78	78	83	86	108	108
500 x 24	128	97	92	94	94	119	128
600 x 24	183	111	111	119	128	158	183
600 x 48	228	139	125	139	139	181	211
625 x 24	183	111	111	119	128	158	183
625 x 54	231	147	139	150	156	197	233

Dimensions (mm)						
Size	□	Ø	ØB	ØD	H_2	□ K
300 x 8	298	300	280	158	250	290
400 x 16	398	400	364	198	295	372
500 x 24	498	500	462	198	295	476
600 x 24	598	600	559	248	345	567
600 x 48	598	600	580	248	345	590
625 x 54	623	–	605	248	345	615

Swirl Diffusers - Type VDL





Size	B	D	D_L	H_1	H_2	H_3	H_4	K	R_1	R_2	T	n
315	318.5	248	368	483	203	425	342.5	435	464	382	63	6
400	403.5	313	450	603	238	534	420.5	500	567	464	80	6
630	633.5	398	690	848	383	748	615.5	750	871	708	125	6
800	803.5	498	853	1133	568	998	850.5	1000	1077	871	160	12

Table 1: Quick Selection for 'VDL-H' (without continuous ceiling)

Size	L_{WA} in dB(A)	Flow (l/s)	ΔP (Pa)	Cooling Mode only				L (m)	LWNC
				Amin	H1	Amax	H1		
315	43	140	35	2.0	2.0	-	-	3.5	NC 35
	47	160	47	2.0	2.2	2.3	2.0	3.8	NC 40
400	41	230	28	2.0	2.5	2.3	2.0	4.0	NC 35
	47	280	38	2.0	3.0	2.8	2.0	4.8	NC 40
630	41	400	26	2.0	3.1	3.2	2.0	5.0	NC 35
	46	480	34	2.0	4.0	3.8	2.0	6.0	NC 40
800	41	510	25	2.0	4.0	3.5	2.0	5.8	NC 35
	46	600	31	2.0	5.0	4.0	2.0	6.5	NC 40

VAV Boxes - Type TVB

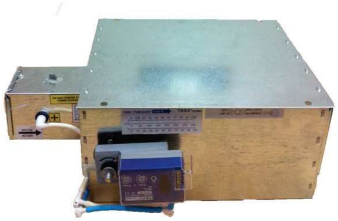


Table No.1: Quick Selection for Type 'TVB-A'; 'TVB-B' and 'TVB-C' Units

Unit size	Recommended Air Flow Range (l/s) at NC 40											
	TVB-A				TVB-B				TVB-C			
	100 Pa		200 Pa		100 Pa		200 Pa		100 Pa		200 Pa	
	Vmin	Vmax	Vmin	Vmax	Vmin	Vmax	Vmin	Vmax	Vmin	Vmax	Vmin	Vmax
4	20	100	20	86	20	100	20	100	20	100	20	100
5	35	130	35	117	35	165	35	165	35	165	35	165
6	45	215	45	155	45	215	45	215	45	215	45	215
7	60	270	60	192	60	300	60	300	60	277	60	250
8	80	315	80	175	80	380	80	380	80	297	80	222
10	128	470	128	220	128	640	128	608	128	389	128	300
12	200	770	200	510	200	928	200	863	200	555	200	411
14	300	1030	300	568	300	1310	300	1163	300	953	300	602
16	380	1380	380	583	380	1783	380	1476	380	998	380	768

Volume Flow Limiters - Type VFL



Table 1: Quick Selection for 'VFL' units

Duct / Unit Size (mm)	Length, L (mm)	Flow range (l/s)		SPL in dB(A) at	
		V min	V max	Δpg 50 Pa	Δpg 100 Pa
80	86	4	25	28	35
100	100	4	33	32	38
125	118	11	57	36	42
160	148	14	97	35	42
200	175	17	158	31	37
250	220	35	250	31	39

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Air Control Dampers















Opposed Blade Dampers.....pg.118-119

Motorised Zone Dampers.....pg.120

Motorised Zone Damper Accessories.....pg.120

Stream Splitter Dampers.....pg.121

Aluminium Volume Control Dampers.....pg.121

Aluminium Non Return Dampers.....pg.121

Manual Line Dampers.....pg.121

Opposed Blade Dampers

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Price
OBD104	250 x 100	10 x 4	$24.14
OBD124	300 x 100	12 x 4	$28.30
OBD144	350 x 100	14 x 4	$31.70
OBD164	400 x 100	16 x 4	$35.10
OBD184	450 x 100	18 x 4	$36.55
OBD204	500 x 100	20 x 4	$35.70
OBD244	600 x 100	24 x 4	$41.99
OBD324	800 x 100	32 x 4	$56.10
OBD66	150 x 150	6 x 6	$13.94
OBD86	200 x 150	8 x 6	$17.00
OBD106	250 x 150	10 x 6	$25.07
OBD126	300 x 150	12 x 6	$28.22
OBD146	350 x 150	14 x 6	$31.36
OBD166	400 x 150	16 x 6	$34.51
OBD186	450 x 150	18 x 6	$37.65
OBD206	500 x 150	20 x 6	$37.40
OBD246	600 x 150	24 x 6	$42.92
OBD306	750 x 150	30 x 6	$53.21
OBD366	900 x 150	36 x 6	$71.74
OBD88	200 x 200	8 x 8	$20.74
OBD108	250 x 200	10 x 8	$28.47
OBD128	300 x 200	12 x 8	$30.94
OBD148	350 x 200	14 x 8	$33.49
OBD168	400 x 200	16 x 8	$35.53
OBD188	450 x 200	18 x 8	$39.78
OBD208	500 x 200	20 x 8	$39.10
OBD248	600 x 200	24 x 8	$47.09
OBD308	750 x 200	30 x 8	$57.80
OBD99	225 x 225	9 x 9	$26.18
OBD249	600 x 225	24 x 9	$59.50
OBD1010	250 x 250	10 x 10	$31.02
OBD1210	300 x 250	12 x 10	$32.30
OBD1410	350 x 250	14 x 10	$35.70
OBD1610	400 x 250	16 x 10	$39.10
OBD1810	450 x 250	18 x 10	$43.35
OBD2010	500 x 250	20 x 10	$42.50
OBD2210	550 x 250	22 x 10	$44.20
OBD2410	600 x 250	24 x 10	$56.18
OBD	*Any size available on request*		POA

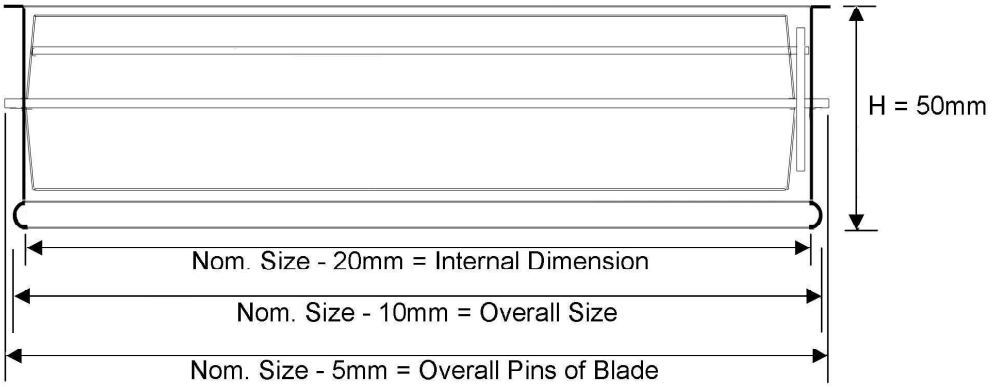


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Opposed Blade Dampers

Product Code	Nom. Neck Metric	Nom. Neck Imperial	Price
OBD1212	300 x 300	12 x 12	$32.47
OBD1612	400 x 300	16 x 12	$41.65
OBD2012	500 x 300	20 x 12	$47.60
OBD2412	600 x 300	24 x 12	$63.92
OBD1414	350 x 350	14 x 14	$40.46
OBD1515	375 x 375	15 x 15	$40.97
OBD1616	400 x 400	16 x 16	$45.05
OBD2416	600 x 400	24 x 16	$78.20
OBD1818	450 x 450	18 x 18	$52.10
OBD2020	500 x 500	20 x 20	$59.50
OBD2222	550 x 550	22 x 22	$73.10
OBD4622	1150 x 550	46 x 22	$132.60
OBD2424	600 x 600	24 x 24	$83.30
OBD4824	1200 x 600	48 x 24	$144.50
OBD	*Any size available on request*		POA





OBD

Example: OBD 300 x 300 = 280 x 280 Internal Dimension

290 x 290 Overall Size

295 x 295 Overall Pins of Blade

Motorised Zone Damper

Metal Drive Open Drive Closed Motorised Zone Damper

Product Code	Description	Diameter Metric	Diameter Imperial	Price
QZD624V	150 Dia 24 Volt Motorised Zone Damper	150	6	$76.50
QZD6240V	150 Dia 240 Volt Motorised Zone Damper	150	6	$76.50
QZD824V	200 Dia 24 Volt Motorised Zone Damper	200	8	$78.20
QZD8240V	200 Dia 240 Volt Motorised Zone Damper	200	8	$78.20
QZD1024V	250 Dia 24 Volt Motorised Zone Damper	250	10	$79.90
QZD10240V	250 Dia 240 Volt Motorised Zone Damper	250	10	$79.90
QZD1224V	300 Dia 24 Volt Motorised Zone Damper	300	12	$81.60
QZD12240V	300 Dia 240 Volt Motorised Zone Damper	300	12	$81.60
QZD1424V	350 Dia 24 Volt Motorised Zone Damper	350	14	$83.30
QZD14240V	350 Dia 240 Volt Motorised Zone Damper	350	14	$83.30
QZD1624V	400 Dia 24 Volt Motorised Zone Damper	400	16	$83.30
QZD16240V	400 Dia 240 Volt Motorised Zone Damper	400	16	$83.30
QZD1824V	450 Dia 24 Volt Motorised Zone Damper	450	18	$90.10
QZD18240V	450 Dia 240 Volt Motorised Zone Damper	450	18	$90.10

QZD's are manufactured with full metal construction and drive and come complete with copper bushes and a 2.5 Nm Torque motor. 5 Year Warranty on all QZD's.



Accessories

Description	Price
4 Zone touchpad with dip switch for spill zone operation	$42.50
Transformer	$42.50
15 MTR Cable	$13.60

Compatible with most leading brand air-conditioners with a 24V option







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Air Control Dampers

Stream Splitter

Product Code	Description	Price
SS	Stream Splitter	POA

Made to order



Aluminium Volume Control Damper

Product Code	Description	Price
MOTVCD	Motorised Volume Control Damper	POA
MANVCD	Manual Volume Control Damper	POA

Made to order
All VCD's are manufactured airway size
Frame Depth is 152mm
Flange is 35mm
Sloted corners for easy installation
1/2" hexagonal shaft supplied with motorised dampers
Side Seals & Blade Seals (optional)
High Temperature Seals also available for smoke relief



Aluminium Non Return Damper

Product Code	Description	Price
NRD	Non Return Damper	POA

Made to order
All NRD's are manufactured airway size
Frame Depth is 152mm
Flange is 35mm
Sloted corners for easy installation



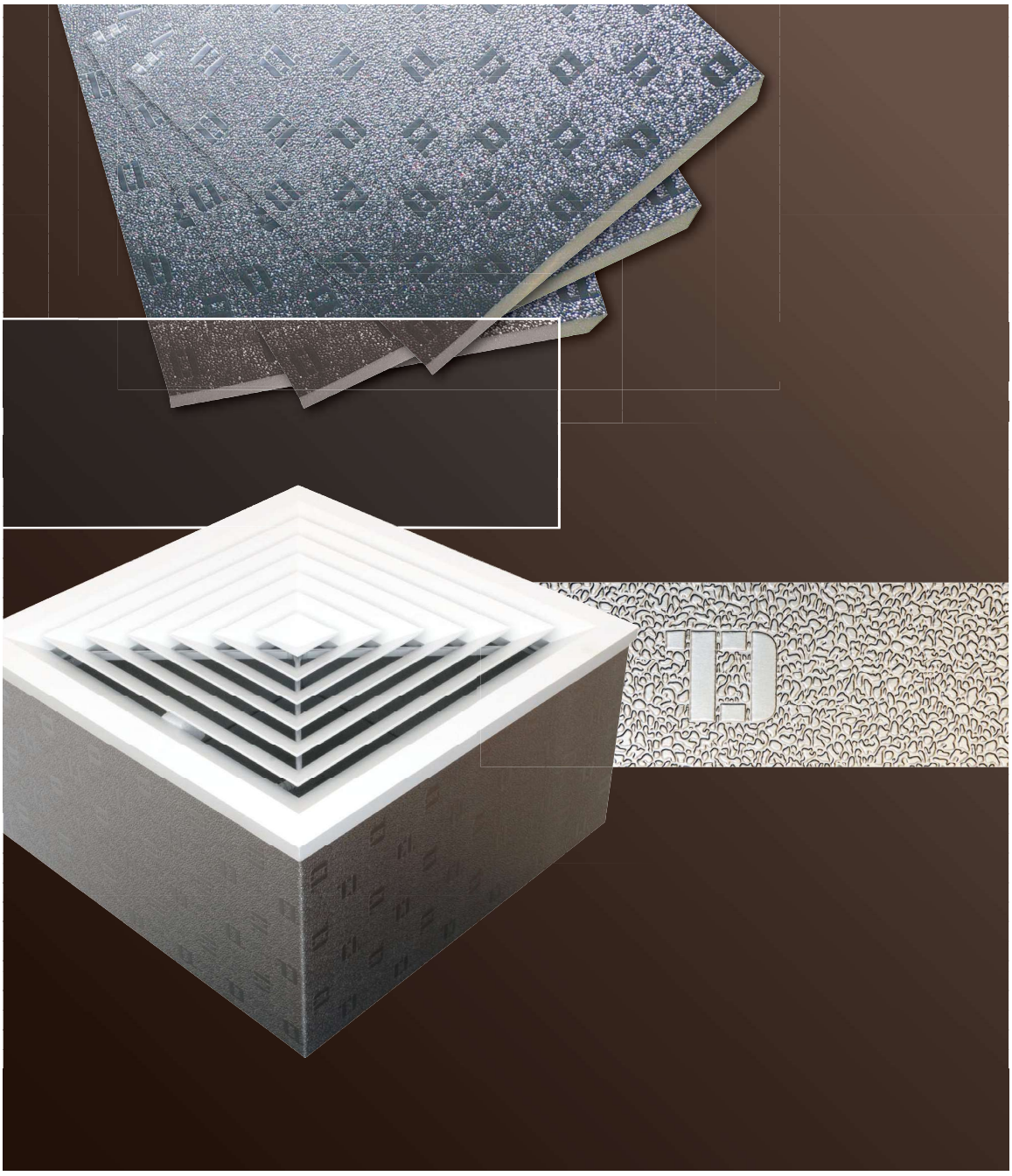
Manual Line Damper

Product Code	Size Metric	Size Imperial	Height (mm)	Price
MLD4	100	4	150	$23.80
MLD5	125	5	175	$24.56
MLD6	150	6	200	$25.07
MLD8	200	8	250	$25.67
MLD10	250	10	300	$28.05
MLD12	300	12	350	$29.66
MLD14	350	14	400	$32.04
MDL16	400	16	450	$35.10
MLD18	450	18	500	$40.03



Notes

TD Pre-Insulated Aluminium Duct



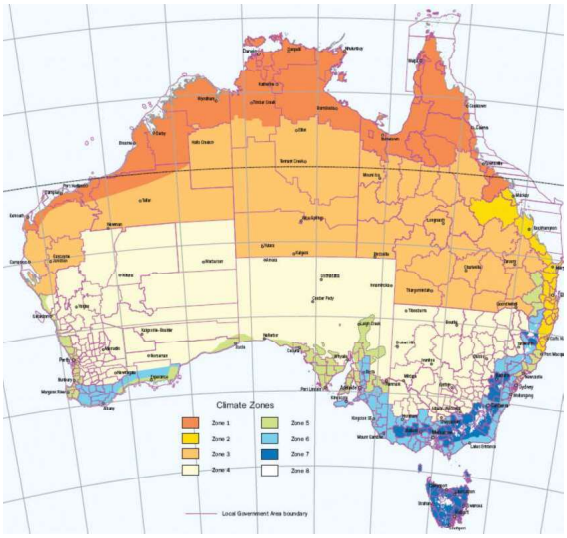
TD Pre-Insulated Aluminium Duct

In the advanced world today, many different materials and systems have been developed as an alternative to the galvanized sheet metal traditionally used. One of the simplest, effective and economical alternatives is TD Pre-Insulated Aluminium Duct. It specializes in the air distribution fields as well as other insulation purposes. TD Pre-Insulated Duct is the solution to your needs.

TD Pre-Insulated duct is a double skin pre-insulated sandwich panel, made with two main materials (PU - Polyurethane & PIR - Polyisocyanurate) which are composed of three layers. The top and bottom layers are made up of embossed aluminium foil of 80 microns in thickness.
There are two alternatives for the middle layer of foam insulation material.

1. TD Pre-Insulated Duct Board - PU - Polyurethane 20mm Thick (R1.0 & 4 zero)
2. TDi Pre-Insulated Duct Board - PIR - Polyisocyanurate 20mm Thick (R1.5 & 4 Zero)

Both these solutions have been fully tested to comply with all relevant standards by both VIPAC & AWTA.



BCA climate zone map

The table below indicates the BCA requirements for each climate zone

Location and element	Minimum Total R-Value for ductwork							
Location	1	2	3	4	5	6	7	8
Ductwork within a conditioned Space	R1.2	R1.2	R1.2	R1.0	R1.2	R1.0	R1.0	R1.6
Ductwork exposed to Sun	R3.0	R3.0	R3.0	R3.0	R3.0	R3.0	R3.0	R3.4
Ductwork in all other locations	R2.0	R2.0	R2.0	R2.0	R2.0	R2.0	R2.0	R2.4

TD Pre-Insulated Aluminium Duct offers extremely good consistency of density throughout the sheet. The TD Pre-Insulated Aluminium Duct also has the foil applied in the initial manufacturing process ensuring an even and consistent application across the whole sheet & ensuring that the foil does not delaminate.
The tables below outline the key properties for both types of board.

Key properties of the TD Pre-Insulated Aluminium Duct

TDB4000 (R1.0) 20mm Thick Polyurethane	
Sheet Size	4000mm x 1200mm
Thickness Of Panel	20mm
Density Of Polyurethane	70.3Kg/m3 +/- 2
Compressive Strength	200N/mm2
Thermal Conductivity	0.021 W/m C
Flame Retardant	B1
Friction Coefficient	0.0135
Working Temperature	-60 + 80 Deg C
Humidity Range	0-100%
Max Pressure Drop In Duct	2000pa
Max Airflow	12m/s

TDiB4000 (R1.5) 20mm Thick Polyisocyanurate	
Sheet Size	4000mm x 1200mm
Thickness Of Panel	20mm
Density Of Polyisocyanurate	71.49Kg/m3 +/- 2
Compressive Strength	200N/mm2
Thermal Conductivity	0.0117 W/m C
Flame Retardant	Class 0
Friction Coefficient	0.0135
Working Temperature	-60 + 80 Deg C
Humidity Range	0-100%
Max Pressure Drop In Duct	2000pa
Max Airflow	12m/s

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TD Pre-Insulated Aluminium Duct

The TD Pre-Insulated duct is available in three forms.
Board only, supplied in sheets 4000mm x 1200mm x 20mm to allow you or your customer to fabricate in house.
Quality Air Equipment is also offering the option of Flat Pack products & Fully Assembled products depending on your particular needs.
QAE has invested in an efficient & highly accurate CNC Routing Machine that allows us to produce quickly, efficiently & cost effectively all product requirements including air conditioning & ventilation duct work.
This together with a wide range in assembly extrusions, tools & ancillaries offers a full and comprehensive solution to all your needs.



TD Pre-Insulated Aluminium Duct

Product Code	Description	Size	Pieces	Price
TDB4000	TD Board Only R1.0 (PU)	4000mm x 1200mm x 20mm	6	$144.50
TDiB4000	TDi Board Only R1.5 (PIR)	4000mm x 1200mm x 20mm	6	$188.70



TD R1.0 Pre-Insulated Duct - Box Flat Packed

Product Code	Perimeter Range	Height									
		160	200	250	300	350	400	450	500	550	600
TDBF800	0-800	$42.50	$43.35	$45.05	$45.90	$46.75	$47.60	$49.30	$50.15	$51.00	$51.85
TDBF1200	801-1200	$46.75	$47.60	$49.30	$51.00	$52.70	$54.40	$56.10	$56.95	$58.65	$60.35
TDBF1600	1201-1600	$51.00	$52.70	$54.40	$56.95	$58.65	$61.20	$62.90	$64.60	$67.15	$68.85
TDBF2000	1601-2000	$56.10	$57.80	$60.35	$62.90	$66.30	$68.00	$70.55	$73.10	$75.65	$78.20
TDBF2400	2001-2400	$66.30	$68.00	$72.25	$75.65	$79.05	$81.60	$85.00	$88.40	$91.80	$95.20
TDBF2800	2401-2800	$74.80	$78.20	$82.45	$86.70	$90.10	$94.35	$98.60	$102.00	$107.10	$110.50
TDBF3200	2801-3200	$85.00	$89.25	$93.50	$98.60	$103.70	$108.80	$113.05	$117.30	$122.40	$127.50
TDBF3500	3201-3500	$90.95	$95.20	$100.30	$105.40	$110.50	$116.45	$121.55	$126.65	$131.75	$137.70
TDBF3800	3501-3800	$96.90	$102.00	$107.95	$113.90	$119.00	$124.10	$130.90	$136.00	$141.10	$147.05
TDBF4100	3801-4100	$103.70	$108.80	$115.60	$120.70	$127.50	$133.45	$139.40	$146.20	$151.30	$158.10
TDBF4400	4101-4400	$110.50	$115.60	$122.40	$129.20	$136.00	$142.80	$149.60	$155.55	$161.50	$168.30
TDBF4700	4401-4700	$118.15	$124.10	$130.90	$137.70	$144.50	$151.30	$158.95	$165.75	$172.55	$180.20
TDBF5000	4701-5000	$125.80	$131.75	$139.40	$146.20	$154.70	$161.50	$169.15	$176.80	$183.60	$191.25
TDBF5300	5001-5300	$133.45	$139.40	$147.90	$155.55	$163.20	$171.70	$179.35	$187.00	$195.50	$203.15
TDBF5600	5301-5600	$141.95	$148.75	$157.25	$164.90	$173.40	$181.90	$190.40	$198.90	$207.40	$215.05

BOX – Flat Pack

- Please specify Size (Dia), location & number of spigots to allow for.
- No holes will be cut unless specified
- No castellated collars will be supplied unless specified. (Order separately, see ancillaries)
- All opening dimensions will be assumed as internal sizes unless otherwise stated.
- All heights will be assumed as overall unless otherwise stated
- No extrusions will be supplied unless requested. If required, H Extrusion is standard for all boxes unless specified otherwise.
- The allowance for spigots will be based on ovalised spigots (where required) unless specified.
- If spigot sizes required do not fit in the specified box size the box will automatically be made as a blown box & the price adjusted accordingly.
- All blown boxes will have central openings.

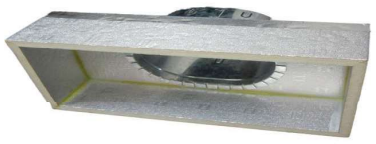
TD Pre-Insulated Aluminium Duct

TD R1.0 Pre-Insulated Duct - Box Manufactured

Product Code	Perimeter Range	Height									
		160	200	250	300	350	400	450	500	550	600
TDBM800	0-800	$60.35	$61.20	$62.90	$64.60	$66.30	$68.00	$68.85	$70.55	$72.25	$73.10
TDBM1200	801-1200	$66.30	$68.00	$69.70	$72.25	$74.80	$76.50	$78.20	$80.75	$83.30	$85.00
TDBM1600	1201-1600	$71.40	$74.80	$77.35	$79.90	$83.30	$85.85	$88.40	$91.80	$94.35	$97.75
TDBM2000	1601-2000	$78.20	$84.15	$85.00	$89.25	$92.65	$96.05	$99.45	$103.70	$107.10	$110.50
TDBM2400	2001-2400	$86.70	$93.50	$94.35	$98.60	$102.85	$107.10	$111.35	$115.60	$119.85	$124.10
TDBM2800	2401-2800	$102.00	$107.10	$113.05	$118.15	$124.10	$129.20	$135.15	$140.25	$146.20	$151.30
TDBM3200	2801-3200	$112.20	$120.70	$124.10	$130.05	$136.85	$142.80	$148.75	$155.55	$161.50	$168.30
TDBM3500	3201-3500	$123.25	$129.20	$140.25	$147.05	$154.70	$161.50	$169.15	$175.95	$183.60	$190.40
TDBM3800	3501-3800	$131.75	$137.70	$149.60	$158.10	$165.75	$173.40	$181.05	$188.70	$197.20	$204.85
TDBM4100	3801-4100	$141.10	$147.90	$159.80	$168.30	$176.80	$185.30	$193.80	$202.30	$210.80	$219.30
TDBM4400	4101-4400	$150.45	$157.25	$170.85	$180.20	$188.70	$198.05	$207.40	$216.75	$225.25	$234.60
TDBM4700	4401-4700	$159.80	$168.30	$181.90	$192.10	$201.45	$211.65	$221.00	$230.35	$240.55	$249.90
TDBM5000	4701-5000	$170.00	$178.50	$193.80	$204.00	$214.20	$225.25	$235.45	$245.65	$255.85	$266.05
TDBM5300	5001-5300	$181.05	$190.40	$205.70	$216.75	$227.80	$238.85	$249.90	$260.95	$272.00	$283.05
TDBM5600	5301-5600	$192.10	$200.60	$218.45	$230.35	$241.40	$253.30	$264.35	$277.10	$288.15	$300.05

BOX – Manufactured

- Please specify Size (Dia), location & number of spigots (price includes a maximum of two spigots. Refer to ancillary section for additional catellated collar price).
- All opening dimensions will be assumed as internal sizes unless otherwise stated.
- All heights will be assumed as overall unless otherwise stated
- No extrusions will be supplied unless requested. If required, H Extrusion is standard for all boxes unless specified otherwise.
- The allowance for spigots will be based on ovalised spigots (where required) unless specified.
- If spigot sizes required do not fit in the specified box size the box will automatically be made as a blown box & the price adjusted accordingly.
- All blown boxes will have central openings.



End Boot Box Heights - Based On Spigots

Spigot Size mm	Short End Of Box										
	100	150	200	250	300	350	400	450	500	550	600
100	207	195	195	195	195	195	195	195	195	195	195
125	242	242	220	220	220	220	220	220	220	220	220
150	286	262	245	245	245	245	245	245	245	245	245
200	361	331	316	295	295	295	295	295	295	295	295
250	443	411	395	365	365	365	365	365	365	365	365
300	524	499	478	437	417	395	395	395	395	395	395
350	591	580	557	521	484	458	445	445	445	445	445
400	N/A	657	625	594	560	535	517	495	495	495	495
450	N/A	736	705	667	654	619	584	574	545	545	545
500	N/A	N/A	N/A	761	734	700	665	575	575	575	575

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TD Pre-Insulated Aluminium Duct

TD R1.0 Pre-Insulated Duct V-Box 1-Way Flat Packed			
Product Code	Perimeter Range	Price Std Box	Price Blown Box
TDVBF12000	1800-2000	$113.90	$130.90
TDVBF12200	2001-2200	$117.30	$134.30
TDVBF12400	2201-2400	$120.70	$137.70
TDVBF12600	2401-2600	$124.10	$141.10
TDVBF12800	2601-2800	$127.50	$144.50
TDVBF13000	2801-3000	$130.90	$147.90
TDVBF13200	3001-3200	$134.30	$151.30
TDVBF13400	3201-3400	$137.70	$154.70
TDVBF13600	3401-3600	$140.25	$157.25

TD R1.0 Pre-Insulated Duct V-Box 2-Way Flat Packed			
Product Code	Perimeter Range	Price Std Box	Price Blown Box
TDVBF22000	1800-2000	$79.05	$96.05
TDVBF22200	2001-2200	$82.45	$99.45
TDVBF22400	2201-2400	$85.85	$102.85
TDVBF22600	2401-2600	$89.25	$106.25
TDVBF22800	2601-2800	$92.65	$109.65
TDVBF23000	2801-3000	$95.20	$112.20
TDVBF23200	3001-3200	$98.60	$115.60
TDVBF23400	3201-3400	$100.30	$117.30
TDVBF23600	3401-3600	$106.25	$123.25

TD R1.0 Pre-Insulated Duct V-Box 3-Way Flat Packed			
Product Code	Perimeter Range	Price Std Box	Price Blown Box
TDVBF32000	1800-2000	$122.40	$139.40
TDVBF32200	2001-2200	$125.80	$142.80
TDVBF32400	2201-2400	$129.20	$146.20
TDVBF32600	2401-2600	$132.60	$149.60
TDVBF32800	2601-2800	$136.00	$153.00
TDVBF33000	2801-3000	$137.70	$154.70
TDVBF33200	3001-3200	$141.10	$158.10
TDVBF33400	3201-3400	$142.80	$159.80
TDVBF33600	3401-3600	$149.60	$166.60

VBox – Flat Pack

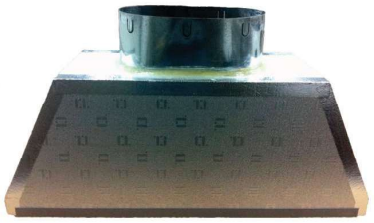
- Please specify Size (Dia), location & number of spigots to allow for.
- No holes will be cut unless specified
- No castellated collars will be supplied unless specified. (Order separately, see ancillaries)
- All opening dimensions will be assumed as internal sizes unless otherwise stated.
- All boxes will have a 50mm skirt before taper.
- No extrusions will be supplied unless requested. If required, H Extrusion is standard for all boxes unless specified otherwise.
- The allowance for spigots will be based on ovalised spigots (where required) unless specified.
- If spigot sizes required do not fit in the specified box size the box will automatically made as a blown box & the price adjusted accordingly.
- All blown boxes will have central openings.

TD Pre-Insulated Aluminium Duct

TD R1.0 Pre-Insulated Duct V-Box 1-Way Manufactured			
Product Code	Perimeter Range	Price Std Box	Price Blown Box
TDVBM12000	1800-2000	$151.30	$173.40
TDVBM12200	2001-2200	$156.40	$178.50
TDVBM12400	2201-2400	$161.50	$183.50
TDVBM12600	2401-2600	$165.75	$187.85
TDVBM12800	2601-2800	$170.00	$192.10
TDVBM13000	2801-3000	$174.25	$196.35
TDVBM13200	3001-3200	$177.65	$199.75
TDVBM13400	3201-3400	$181.90	$204.00
TDVBM13600	3401-3600	$190.40	$212.50

TD R1.0 Pre-Insulated Duct V-Box 2-Way Manufactured			
Product Code	Perimeter Range	Price Std Box	Price Blown Box
TDVBM22000	1800-2000	$112.20	$134.30
TDVBM22200	2001-2200	$117.30	$139.40
TDVBM22400	2201-2400	$122.40	$144.50
TDVBM22600	2401-2600	$126.65	$148.75
TDVBM22800	2601-2800	$130.90	$153.00
TDVBM23000	2801-3000	$135.15	$157.25
TDVBM23200	3001-3200	$138.55	$160.65
TDVBM23400	3201-3400	$141.95	$164.05
TDVBM23600	3401-3600	$150.45	$172.55

TD R1.0 Pre-Insulated Duct V-Box 3-Way Manufactured			
Product Code	Perimeter Range	Price Std Box	Price Blown Box
TDVBM32000	1800-2000	$158.10	$180.20
TDVBM32200	2001-2200	$161.50	$183.60
TDVBM32400	2201-2400	$166.60	$188.70
TDVBM32600	2401-2600	$175.10	$197.20
TDVBM32800	2601-2800	$180.20	$202.30
TDVBM33000	2801-3000	$185.30	$207.40
TDVBM33200	3001-3200	$188.70	$210.80
TDVBM33400	3201-3400	$192.10	$214.20
TDVBM33600	3401-3600	$198.90	$221.00







VBox – Manufactured

- Please specify Size (Dia), location & number of spigots eg VB1, VB2 & VB3 (For larger supply plenums please enquire).
- All opening dimensions will be assumed as internal sizes unless otherwise stated.
- All boxes will have a 50mm skirt before taper.
- No extrusions will be supplied unless requested. If required, H Extrusion is standard for all boxes unless specified otherwise.
- The allowance for spigots will be based on ovalised spigots (where required) unless specified.
- If spigot sizes required do not fit in the specified box size the box will automatically made as a blown box & the price adjusted accordingly.
- All blown boxes will have central openings.

TD Pre-Insulated Aluminium Duct

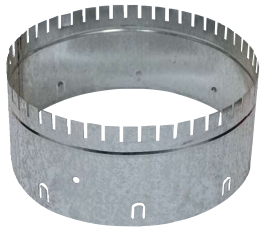
TD Lay-In Diffuser

Product Code	Face Size Metric	Nom Neck Metric	Pieces/Carton	Price
TDXLD4595F	595 x 595 Face	450 x 450	8	$47.60



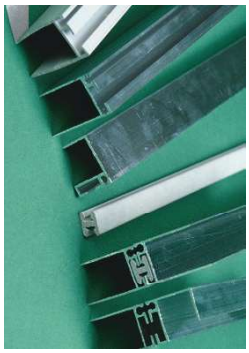
Castellated Starting Collars

Product Code	Size Metric	Size Imperial	Price
CSC6	150	6	$5.10
CSC8	200	8	$5.61
CSC10	250	10	$6.20
CSC12	300	12	$6.71
CSC14	350	14	$7.31
CSC16	400	16	$7.82
CSC18	450	18	$8.33
CSC20	500	20	$8.92
Please specify if you require collars to be spot welded.			



TD Pre-Insulated Duct Extrusions

Product Code	Description	Size	Pieces	Prices
TDHE	h Extrusion PVC	4m Long	10	$30.60
TDHEE	h Extension Extrusion PVC	4m Long	10	$30.60
TDFE	F Extrusion PVC	4m Long	10	$30.60
TDCE	C Extrusion PVC	4m Long	10	$30.60
TDIFE	Invisible Flange (PVC)	4m Long	10	$30.60
TDIF90E	Invisible Flange 90 Deg (PVC)	4m Long	10	$30.60
TDBE	Bayonnet (PVC)	4m Long	10	$15.30
TDCA	Cover Angle (PVC)			$3.40
TDRR	Re-Inforcement Bar (Aluminium)	4m Long	10	$39.10
TDSD	Shaped Disc (Aluminium)			$0.85
TDBJ	Ball Joint (PVC)			$1.27



TD Pre-Insulated Duct Tools & Accessories

Product Code	Description	Price
TDGLUE	20 Litre Contact Adhesive	$204.00
TDTB	4-Piece Tool Box (1 x V Cut 1 x 45 Deg Left 1 x 45 Deg Right & Straight Cut)	$1169.60
TDMBT	Manual Bending Tool	$1275.00
TD4C	4m Bench Clamp	$506.60
TD12C	1.2m Bench Clamp	$391.00



Notes

Sheet Metal Products







V-Boxes/Square - Rounds.....pg.132

Return Air Boxes/Plenums.....pg.133

Drip Trays.....pg.134

Uni Boots.....pg.135

Side Boots.....pg.135

End Boots.....pg.136

Linear Boxes.....pg.136

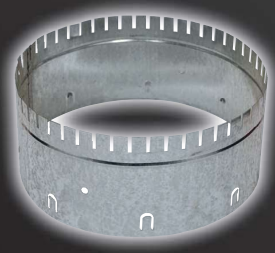
Cushion Boxes.....pg.137-140

Joining Collars.....pg.141

Starting Collars.....pg.141-142

Castellated Starting Collars.....pg.142

Blanking Plates.....pg.142





1-Way V-Box

Product Code	Perimeter Range	Price 5 mm Rubber (external ins)	Price 10mm Rubber / 13 mm Poly	Price 13 mm F/G	Price 25 mm F/G	Price 25 mm Perf
VB12300	0 - 2300	$64.00	$76.75	$80.07	$86.44	$96.05
VB12820	2301 - 2820	$74.03	$88.74	$92.56	$100.04	$111.18
VB13500	2821 - 3500	$94.01	$112.79	$117.47	$126.99	$141.18
			All 1-Way V-Box's except plain and 5mm rubber will be constructed as a 3-Way V-Box			



2-Way V-Box

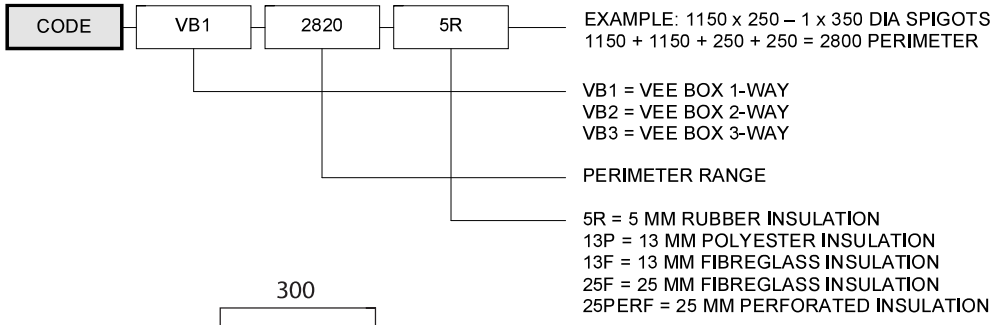
Product Code	Perimeter Range	Price 5 mm Rubber	Price 10mm Rubber / 13 mm Poly	Price 13 mm F/G	Price 25 mm F/G	Price 25 mm Perf
VB22300	0 - 2300	$60.00	$72.00	$75.14	$81.09	$90.00
VB22820	2301 - 2820	$70.04	$84.06	$87.46	$94.60	$105.14
VB23500	2821 - 3500	$90.00	$108.03	$112.62	$121.55	$135.15

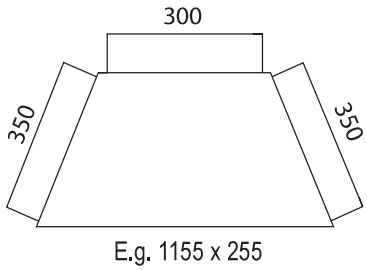


3-Way V-Box

Product Code	Perimeter Range	Price 5 mm Rubber	Price 10mm Rubber / 13 mm Poly	Price 13 mm F/G	Price 25 mm F/G	Price 25 mm Perf
VB32300	0 - 2300	$70.04	$84.06	$87.46	$94.60	$105.14
VB32820	2301 - 2820	$80.07	$96.05	$100.04	$108.03	$120.02
VB33500	2821 - 3500	$100.04	$120.02	$125.12	$135.15	$150.11







E.g. 1155 x 255

Please note: For 3 way V-Boxes, our standard configuration is explained to the left e.g. 1155 x 255 - 2 x 350 - 1 x 300
Note: Odd spigot location always at top.

NOTE:

- To select the correct product code from the table above for a specified V/box size, you must firstly calculate the perimeter of the v/box as shown in the example above which will determine the correct perimeter range to choose from in the table above.
- If a specified box exceeds the perimeter it will be priced on application.
- If the spigot size does not fit the specified box we will automatically step the box to suit at an additional charge of $15.00.

Return Air Boxes/Plenums Top Entry (Height = 150mm)

Product Code	Perimeter Range	Price 5mm Rubber	Price 10mm Rubber / 13 mm Poly	Price 13mm F/G	Price 25mm F/G	Price 25mm Perf
RAB1600 RAP1600	0 -1600	$33.06	$39.69	$41.48	$44.71	$49.64
RAB2400 RAP2400	1601 - 2400	$47.68	$57.12	$59.67	$64.43	$71.48
RAB2900 RAP2900	2401 - 2900	$51.08	$61.28	$63.83	$68.93	$76.75
RAB3440 RAP3440	2901 - 3440	$63.15	$75.65	$78.96	$85.34	$94.77
RAB3600 RAP3600	3441 - 3600	$72.00	$86.36	$90.00	$97.32	$108.00



Return Air Boxes/Plenums Side Entry (Height = Spigot Size + 75mm)

Product Code	Perimeter Range	Price 5mm Rubber	Price 10mm Rubber / 13 mm Poly	Price 13mm F/G	Price 25mm F/G	Price 25mm Perf
RABS1600 RAPS1600	0 - 1600	$49.64	$59.67	$62.05	$67.15	$74.54
RABS2400 RAPS2400	1601 - 2400	$71.48	$85.85	$89.33	$96.56	$101.83
RABS2900 RAPS2900	2401 - 2900	$76.67	$92.05	$95.88	$102.08	$114.92
RABS3440 RAPS3440	2901 - 3440	$94.69	$113.73	$118.40	$127.84	$142.00
RABS3600 RAPS3600	3441 - 3600	$108.00	$129.71	$135.15	$145.86	$162.00



CODE — RAB — 2900 — 5R

EXAMPLE: 900 x 400 – 2 x 400 DIA SPIGOTS
900 + 900 + 400 + 400 = 2600 PERIMETER

RAB = RETURN AIR BOX
RAP = RETURN AIR PLENUM
RABS = RETURN AIR BOX SIDE ENTRY
RAPS = RETURN AIR PLENUM SIDE ENTRY

PERIMETER RANGE

5R = 5 MM RUBBER INSULATION
13P = 13 MM POLYESTER INSULATION
13F = 13 MM FIBREGLASS INSULATION
25F = 25 MM FIBREGLASS INSULATION
25PERF = 25 MM PERFORATED INSULATION

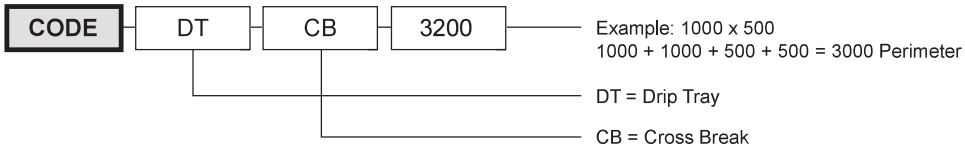
NOTE:

- To select the correct product code from the table above for a specified box size, you must firstly calculate the perimeter of the box as shown in the example above which will determine the correct perimeter range to choose from in the table above.
- If a specified box exceeds the perimeter range it will be priced on application.
- If the spigot size does not fit the specified box we will automatically step the box to suit at an additional charge of $15.00.
- Fresh air spigot and filter $15.00.
- Filter track and slide available at additional cost, please enquire.

Drip Trays - 40mm High

Product Code	Perimeter Range	Standard Price	Cross Break Price
DT3200	0 – 3200	$41.65	$45.90
DT4400	3201 – 4400	$46.75	$51.00
DT5200	4401 – 5200	$51.85	$56.10
DT5600	5201 – 5600	$66.30	$70.55
DT6200	5601 – 6200	$72.25	$76.50
DT6800	6201 – 6800	$83.30	$87.55
DT7400	6801 - 7400	$95.20	$99.45
Drip trays with copper spouts available on request.			





NOTE:

- To select the correct product code from the table above for a specified drip tray size, you must firstly calculate the perimeter of the drip tray as shown in the example above which will determine the correct perimeter range to choose from in the table above.
- Drain location standard short side centre.
- 20mm PVC drain connector is fitted as standard, 25mm also available (electrical connection).
- If a specified drip tray exceeds the perimeter range it will be priced on application.

Linear Boxes Side Entry (Height = Spigot Size + 75mm)

Product Code	Perimeter Range	Price 5 mm Rubber	Price 10mm Rubber / 13 mm Poly	Price 13 mm F/G	Price 25 mm F/G	Price 25 mm Perf
LB800	0 - 800	$28.98	$34.76	$36.21	$39.10	$43.43
LB1200	801 - 1200	$37.99	$45.64	$47.51	$51.25	$57.12
LB1600	1201 - 1600	$41.05	$49.30	$51.25	$55.33	$61.45
LB2100	1601 - 2100	$50.49	$60.60	$63.15	$68.25	$75.65
LB2700	2101 - 2700	$60.00	$72.00	$75.14	$81.09	$90.00
LB3300	2701 - 3300	$74.54	$89.50	$93.33	$100.81	$111.86
LB3900	3301 - 3900	$94.60	$113.47	$118.23	$127.67	$141.86
LB5100	3901 - 5100	$118.23	$141.86	$147.90	$159.71	$177.39

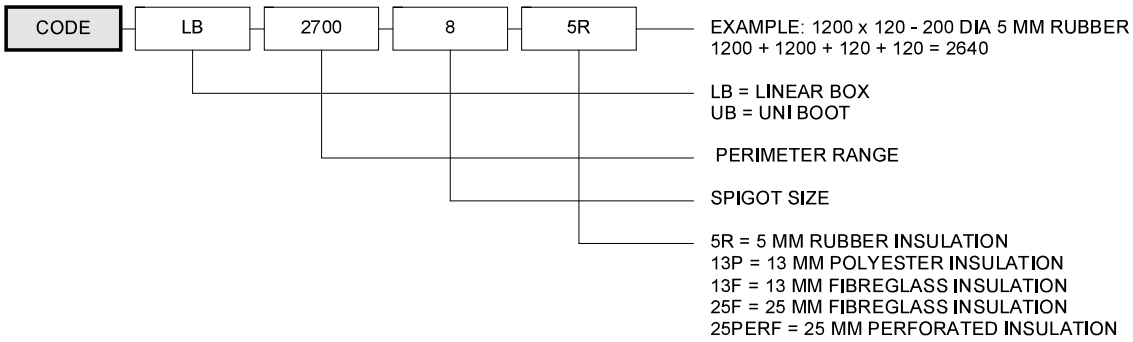
* Stepped Linear Boxes to cover Insulation will be an additional $8.50*
* Larger spigot sizes may be ovalised.



Uni Boot Top Entry (Height = 150mm)

Product Code	Perimeter Range	Price 5 mm Rubber	Price 10mm Rubber / 13 mm Poly	Price 13 mm F/G	Price 25 mm F/G	Price 25 mm Perf
UB800	0 - 800	$23.97	$28.73	$30.00	$32.38	$36.04
UB1200	801 - 1200	$30.00	$39.69	$41.31	$40.54	$45.13
UB1600	1201 - 1600	$36.04	$43.26	$45.13	$48.53	$54.06
UB2100	1601 - 2100	$45.47	$54.57	$56.95	$61.45	$68.25
UB2700	2101 - 2700	$56.35	$67.66	$70.55	$76.24	$84.57
UB3300	2701 - 3300	$69.10	$82.96	$86.44	$93.33	$103.70
UB3900	3301 - 3900	$85.51	$102.59	$106.93	$115.51	$128.26
UB5100	3901 - 5100	$107.35	$128.77	$134.21	$145.00	$161.00





NOTE:

- To select the correct product code from the table above for a specified box size, you must firstly calculate the perimeter of the box as shown in the example above which will determine the correct perimeter range to choose from in the table above.

Uni Boot - Spigot Opposite Open End (Height = 150mm)

Product Code	Perimeter Range	Price 5 mm Rubber	Price 10mm Rubber / 13 mm Poly	Price 13 mm F/G	Price 25 mm F/G	Price 25 mm Perf
UB800	0 - 800	$23.97	$28.73	$30.00	$32.38	$36.04
UB1200	801 - 1200	$30.00	$39.69	$41.31	$40.54	$45.13
UB1600	1201 - 1600	$36.04	$43.26	$45.13	$48.53	$54.06
UB2100	1601 - 2100	$45.47	$45.47	$56.95	$61.45	$68.25

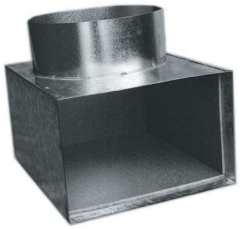
If size exceeds the parameters in table above then refer to RAB's for pricing



Side Boot - Spigot on Long Side (Height = Spigot Size + 125mm)

Product Code	Perimeter Range	Price 5 mm Rubber	Price 10mm Rubber / 13 mm Poly	Price 13 mm F/G	Price 25 mm F/G	Price 25 mm Perf
SB800	0 - 800	$28.98	$34.76	$36.21	$39.10	$43.43
SB1200	801 - 1200	$38.00	$45.64	$51.25	$51.25	$57.12
SB1600	1201 - 1600	$41.05	$49.30	$55.33	$55.33	$61.45
SB2100	1601 - 2100	$50.49	$60.60	$68.25	$68.25	$75.65

If size exceeds the parameters in table above then refer to RABS for pricing

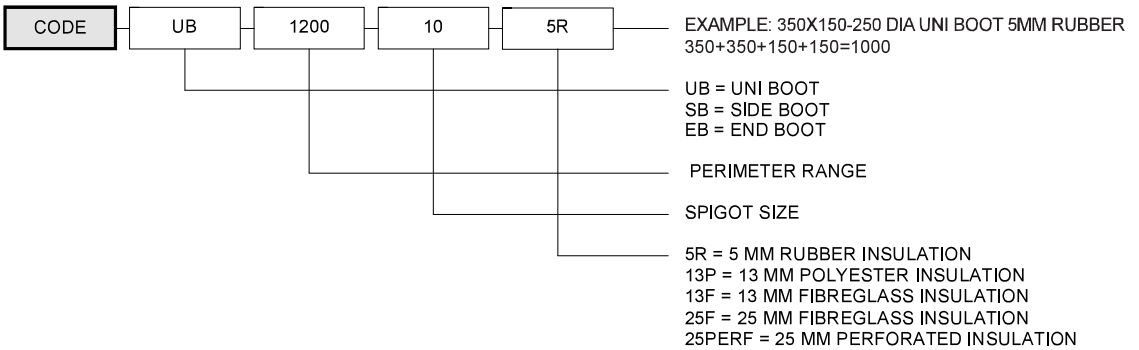


End Boot - Spigot on Short Side (Height dependent on spigot size)

Product Code	Perimeter Range	Price 5 mm Rubber	Price 10mm Rubber / 13 mm Poly	Price 13 mm F/G	Price 25 mm F/G	Price 25 mm Perf
EB800	0 - 800	$30.77	$36.89	$38.42	$41.48	$46.24
EB1200	801 - 1200	$41.22	$49.47	$51.51	$55.67	$61.88
EB1600	1201 - 1600	$42.75	$53.46	$53.46	$57.63	$64.17
EB2100	1601 - 2100	$52.19	$62.56	$65.28	$70.55	$78.37
EB2700	2101 - 2700	$60.00	$72.00	$75.14	$81.09	$90.00

If size exceeds the parameters in table above then refer to RABS for pricing
*Prices quoted above are at maximum height of 400mm. For End Boots that are required to be manufactured higher to enable spigot to fit on end, additional charge will be applied depending on height.





NOTE:

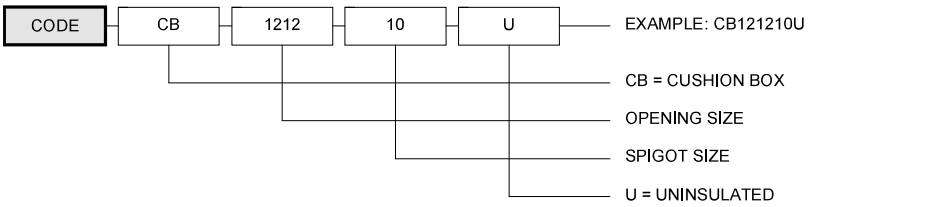
- To select the correct product code from the table above for a specified box size, you must firstly calculate the perimeter of the box as shown in the example above which will determine the correct perimeter range to choose from in the table above.

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Cushion Boxes

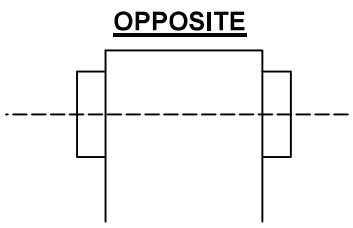
Product Code	Size Metric	Size Imperial	Price Unins.	Price 5mm Rubber	Price 10mm Rubber / 13 mm Poly
CB666	150 x 150 - 150	6 x 6 - 6	$18.02	$21.67	$23.80
CB668	150 x 150 - 200	6 x 6 - 8	$19.63	$22.78	$25.07
CB886	200 x 200 - 150	8 x 8 - 6	$20.00	$24.99	$27.45
CB888	200 x 200 - 200	8 x 8 - 8	$20.00	$24.99	$27.45
CB996	225 x 225 - 150	9 x 9 - 6	$22.35	$28.98	$32.04
CB998	225 x 225 - 200	9 x 9 - 8	$22.35	$28.98	$32.04
CB9910	225 x 225 - 250	9 x 9 - 10	$22.78	$30.34	$33.49
CB10106	250 x 250 -150	10 x 10 - 6	$23.03	$31.87	$35.10
CB10108	250 x 250 - 200	10 x 10 - 8	$23.03	$31.87	$35.10
CB12126	300 x 300 - 150	12 x 12 - 6	$26.52	$33.66	$37.14
CB12128	300 x 300 - 200	12 x 12 - 8	$26.52	$33.66	$37.14
CB121210	300 x 300 - 250	12 x 12 - 10	$26.52	$33.66	$37.14
CB121212	300 x 300 - 300	12 x 12 - 12	$27.28	$34.59	$37.40
CB14148	350 x 350 - 200	14 x 14 - 8	$29.07	$37.31	$41.14
CB141410	350 x 350 - 250	14 x 14 - 10	$29.07	$37.31	$41.14
CB141412	350 x 350 - 300	14 x 14 - 12	$29.83	$38.76	$42.58
CB141414	350 x 350 - 350	14 x 14 - 14	$29.83	$38.76	$42.58
CB151510	375 x 375 - 250	15 x 15 - 10	$30.77	$40.03	$44.03
CB151512	375 x 375 - 300	15 x 15 - 12	$30.77	$40.03	$44.03
CB151514	375 x 375 - 350	15 x 15 - 14	$31.70	$43.86	$48.19
CB16168	400 x 400 - 200	16 x 16 - 8	$32.89	$46.58	$51.25
CB161610	400 x 400 - 250	16 x 16 - 10	$32.89	$46.58	$51.25
CB161612	400 x 400 - 300	16 x 16 - 12	$33.49	$48.02	$52.78
CB161614	400 x 400 - 350	16 x 16 - 14	$33.49	$48.02	$52.78
CB161616	400 x 400 - 400	16 x 16 - 16	$33.49	$48.02	$52.78

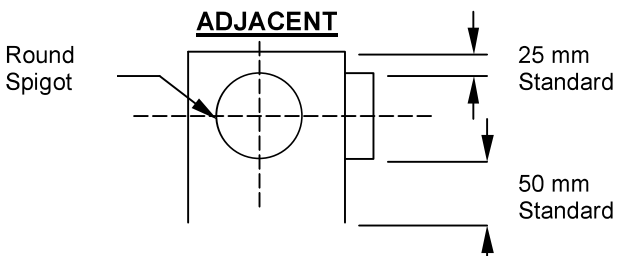




Note

- All boxes standard with no step unless requested or required to enable spigot to be fitted. An additional charge of $5.00 will be added for stepping.
- Add $2.50 if additional spigot required and indicate if spigots are opposite or adjacent.

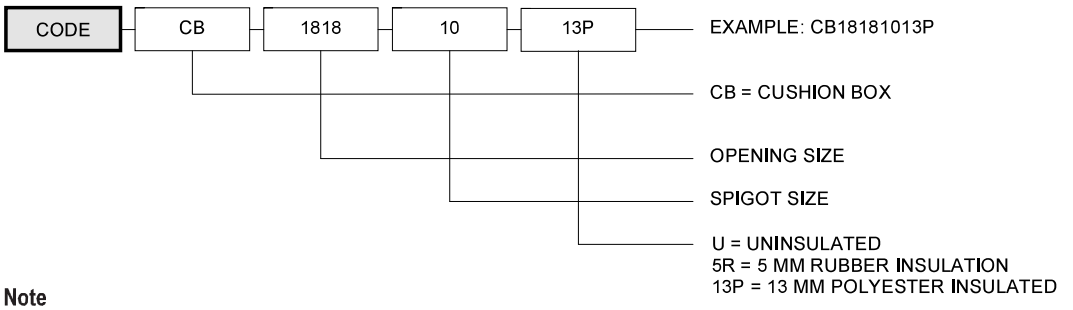




Cushion Boxes

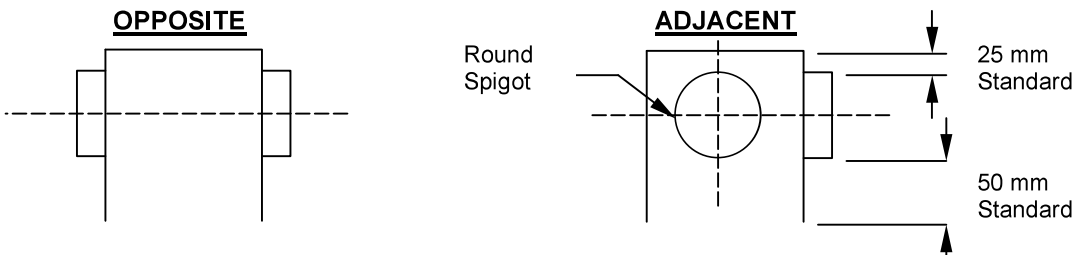
Product Code	Size Metric	Size Imperial	Price Unins.	Price 5mm Rubber	Price 10mm Rubber / 13 mm Poly
CB18186	450 x 450 - 150	18 x 18 - 6	$34.00	$49.30	$54.23
CB18188	450 x 450 - 200	18 x 8 - 8	$34.00	$49.30	$54.23
CB181810	450 x 450 - 250	18 x 18 - 10	$34.00	$49.30	$54.23
CB181812	450 x 450 - 300	18 x 18 - 12	$35.02	$49.64	$54.57
CB181814	450 x 450 - 350	18 x 18 - 14	$35.02	$49.64	$54.57
CB181816	450 x 450 - 400	18 x 18 - 16	$36.04	$51.68	$56.78
CB20208	500 x 500 - 200	20 x 20 - 8	$38.59	$54.40	$59.84
CB202010	500 x 500 -250	20 x 20 - 10	$38.59	$54.40	$59.84
CB202012	500 x 500 - 300	20 x 20 - 12	$39.86	$55.67	$61.28
CB202014	500 x 500 - 350	20 x 20 - 14	$39.86	$55.67	$61.28
CB202016	500 x 500 - 400	20 x 20 - 16	$39.86	$55.67	$61.28
CB22228	560 x 560 - 200	22 x 22 - 8	$40.37	$56.35	$62.05
CB222210	560 x 560 - 250	22 x 22 - 10	$40.37	$56.35	$62.05
CB222212	560 x 560 - 300	22 x 22 - 12	$41.05	$57.03	$62.73
CB222214	560 x 560 - 350	22 x 22 - 14	$41.05	$57.03	$62.73
CB222216	560 x 560 - 400	22 x 22 - 16	$42.00	$62.05	$68.25
CB222218	560 x 560 - 450	22 x 22 - 18	$45.47	$66.38	$74.57
CB24248	600 x 600 - 200	24 x 24 - 8	$42.92	$71.48	$78.54
CB242410	600 x 600 - 250	24 x 24 - 10	$42.92	$71.48	$78.54
CB242412	600 x 600 - 300	24 x 24 - 12	$45.13	$75.31	$82.79
CB242414	600 x 600 - 350	24 x 24 - 14	$45.13	$75.31	$82.79
CB242416	600 x 600 - 400	24 x 24 - 16	$45.13	$75.31	$82.79
CB242418	600 x 600 - 450	24 x 24 - 18	$45.13	$75.31	$82.79





Note

- All boxes standard with no step unless requested or required to enable spigot to be fitted. An additional charge of $5.00 will be added for stepping.
- Add $2.50 if additional spigot required and indicate if spigots are opposite or adjacent.

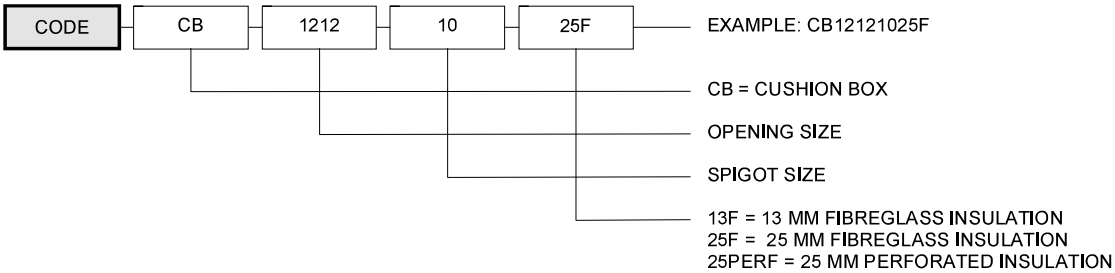


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Cushion Boxes

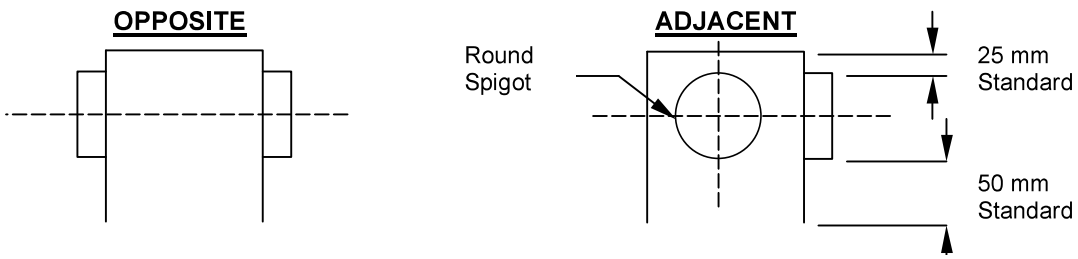
Product Code	Size Metric	Size Imperial	Price 13mm F/G	Price 25mm F/G	Price 25mm Perf
CB666	150 x 150 - 150	6 x 6 - 6	$27.11	$29.32	$32.55
CB886	200 x 200 - 150	8 x 8 - 6	$28.39	$30.77	$34.34
CB888	200 x 200 - 200	8 x 8 - 8	$28.39	$33.83	$37.48
CB996	225 x 225 - 150	9 x 9 - 6	$31.28	$33.83	$37.48
CB998	225 x 225 - 200	9 x 9 - 8	$31.28	$39.10	$43.43
CB9910	225 x 225 - 250	9 x 9 - 10	$36.21	$39.10	$43.43
CB10106	250 x 250 -150	10 x 10 - 6	$36.21	$41.14	$45.64
CB10108	250 x 250 - 200	10 x 10 - 8	$39.86	$42.92	$47.85
CB12126	300 x 300 - 150	12 x 12 - 6	$39.86	$42.92	$47.85
CB12128	300 x 300 - 200	12 x 12 - 8	$42.00	$45.47	$50.57
CB121210	300 x 300 - 250	12 x 12 - 10	$42.00	$45.47	$50.57
CB121212	300 x 300 - 300	12 x 12 - 12	$42.00	$45.47	$50.57
CB14148	350 x 350 - 200	14 x 14 - 8	$43.26	$46.75	$51.85
CB141410	350 x 350 - 250	14 x 14 - 10	$46.58	$50.40	$56.00
CB141412	350 x 350 - 300	14 x 14 - 12	$46.58	$50.40	$56.00
CB141414	350 x 350 - 350	14 x 14 - 14	$48.36	$52.36	$58.22
CB151510	375 x 375 - 250	15 x 15 - 10	$48.36	$52.36	$58.22
CB151512	375 x 375 - 300	15 x 15 - 12	$50.06	$54.06	$60.00
CB151514	375 x 375 - 350	15 x 15 - 14	$50.06	$54.06	$60.00
CB16168	400 x 400 - 200	16 x 16 - 8	$54.74	$59.07	$65.87
CB161610	400 x 400 - 250	16 x 16 - 10	$58.22	$62.90	$69.87
CB161612	400 x 400 - 300	16 x 16 - 12	$58.22	$62.90	$69.87
CB161614	400 x 400 - 350	16 x 16 -14	$60.00	$64.77	$70.97
CB161616	400 x 400 - 400	16 x 16 - 16	$60.00	$64.77	$70.97





Note

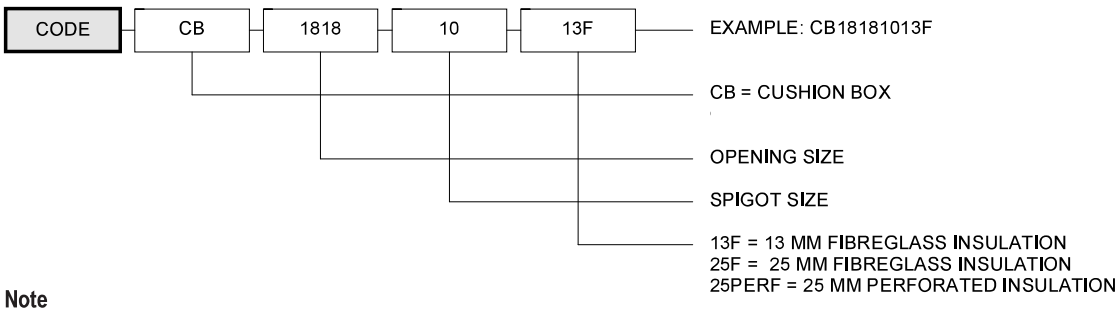
- All boxes standard with no step unless requested or required to enable spigot to be fitted. An additional charge of $5.00 will be added for stepping.
- Add $2.50 if additional spigot required and indicate if spigots are opposite or adjacent.



Cushion Boxes

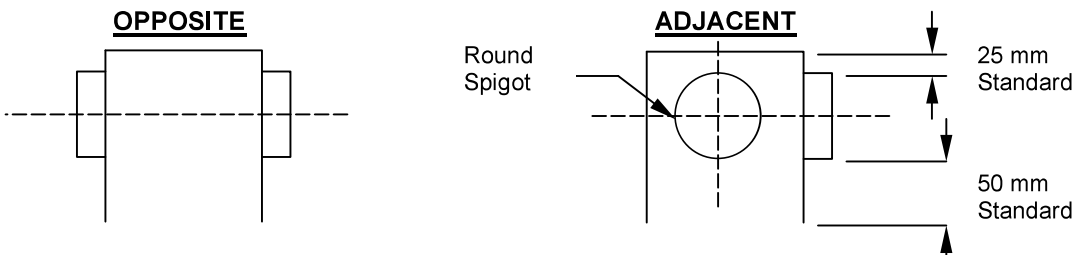
Product Code	Size Metric	Size Imperial	Price 13mm F/G	Price 25mm F/G	Price 25mm Perf.
CB18186	450 x 450 - 150	18 x 18 - 6	$61.62	$66.55	$74.03
CB18188	450 x 450 - 200	18 x 18 - 8	$61.62	$66.55	$74.03
CB181810	450 x 450 - 250	18 x 18 - 10	$61.62	$66.55	$74.03
CB181812	450 x 450 - 300	18 x 18 - 12	$62.05	$67.15	$74.54
CB181814	450 x 450 - 350	18 x 18 - 14	$62.05	$67.15	$74.54
CB181816	450 x 450 - 400	18 x 18 - 16	$64.60	$69.70	$77.52
CB20208	500 x 500 - 200	20 x 20 - 8	$68.00	$73.52	$81.68
CB202010	500 x 500 - 250	20 x 20 - 10	$68.00	$73.52	$81.68
CB202012	500 x 500 - 300	20 x 20 - 12	$69.70	$75.14	$83.47
CB202014	500 x 500 - 350	20 x 20 - 14	$69.70	$75.14	$83.47
CB202016	500 x 500 - 400	20 x 20 - 16	$69.70	$75.14	$83.47
CB22228	560 x 560 - 200	22 x 22 - 8	$70.55	$76.24	$84.57
CB222210	560 x 560 - 250	22 x 22 - 10	$70.55	$76.24	$84.57
CB222212	560 x 560 - 300	22 x 22 - 12	$71.31	$76.92	$85.51
CB222214	560 x 560 - 350	22 x 22 - 14	$71.31	$76.92	$85.51
CB222216	560 x 560 - 400	22 x 22 - 16	$77.52	$83.64	$93.16
CB222218	560 x 560 - 450	22 x 22 - 18	$86.44	$94.58	$100.04
CB24248	600 x 600 - 200	24 x 24 - 8	$89.33	$96.56	$107.35
CB242410	600 x 600 - 250	24 x 24 - 10	$89.33	$96.56	$107.35
CB242412	600 x 600 - 300	24 x 24 - 12	$94.26	$101.66	$112.96
CB242414	600 x 600 - 350	24 x 24 - 14	$94.26	$101.66	$112.96
CB242416	600 x 600 - 400	24 x 24 - 16	$94.26	$101.66	$112.96
CB242418	600 x 600 - 450	24 x 24 - 18	$94.26	$101.66	$112.96





Note

- All boxes standard with no step unless requested or required to enable spigot to be fitted. An additional charge of $5.00 will be added for stepping.
- Add $2.50 if additional spigot required and indicate if spigots are opposite or adjacent.



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Joining Collars - 150mm Long

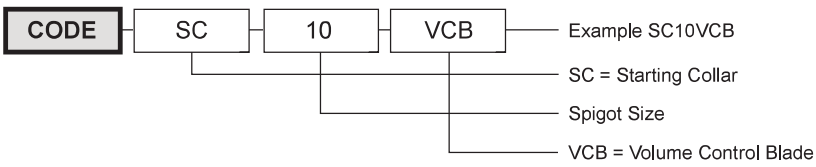
Product Code	Size Metric	Size Imperial	Price
JC4	100	4	$2.97
JC5	125	5	$3.31
JC6	150	6	$3.65
JC8	200	8	$3.65
JC10	250	10	$4.33
JC12	300	12	$5.00
JC14	350	14	$5.44
JC16	400	16	$6.03
JC18	450	18	$6.54
JC20	500	20	$4.10
JC22	550	22	$9.00
JC24	600	24	$9.60



Starting Collars Round

Product Code	Size Metric	Size Imperial	Price without VCB	Price with VCB
SC4	100	4	$6.03	$16.91
SC5	125	5	$6.03	$16.91
SC6	150	6	$6.03	$16.91
SC8	200	8	$6.37	$17.25
SC10	250	10	$7.05	$18.02
SC12	300	12	$7.99	$18.95
SC14	350	14	$9.09	$19.97
SC16	400	16	$9.60	$20.57
SC18	450	18	$10.54	$21.50
SC20	500	20	$11.98	$22.95
SC22	550	22	$13.09	$23.97
SC24	600	24	$14.02	$24.90





Bell Mouth Spigots c/w Blade & Raised Quadrant

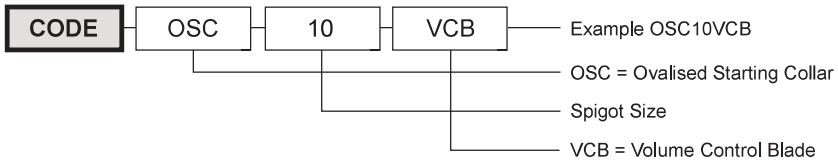
Product Code	Size Metric	Size Imperial	Price
BMS8	200	8	$18.70
BMS10	250	10	$19.55
BMS12	300	12	$22.61
BMS14	350	14	$24.65



Starting Collars Ovalised

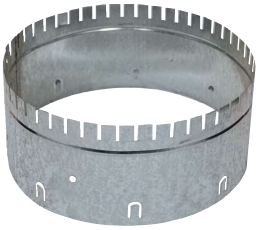
Product Code	Size Metric	Size Imperial	Plate Size (mm)	Price without VCB	Price with VCB
OSC4	100	4	152 x 110	$7.82	$18.70
OSC5	125	5	157 x 120	$7.82	$18.70
OSC6	150	6	220 x 120	$7.82	$18.70
OSC8	200	8	315 x 150	$8.16	$19.12
OSC10	250	10	386 x 200	$8.92	$19.80
OSC12	300	12	420 x 250	$9.86	$20.74
OSC14	350	14	465 x 300	$10.88	$21.84
OSC16	400	16	576 x 350	$11.39	$22.35
OSC18	450	18	600 x 453	$12.32	$23.29





Castellated Starting Collars

Product Code	Size Metric	Size Imperial	Price
CSC6	150	6	$5.10
CSC8	200	8	$5.61
CSC10	250	10	$6.20
CSC12	300	12	$6.71
CSC14	350	14	$7.31
CSC16	400	16	$7.82
CSC18	450	18	$8.33
CSC20	500	20	$8.92
Please specify if you require collars to be spot welded.			



Blanking Plates

Product Code	Size Metric	Size Imperial	Price
BP150	150	6	$5.10
BP225	225	9	$5.10
BP300	300	12	$5.10
BP375	375	15	$5.95
BP450	450	18	$5.95
BP525	525	21	$5.95
BP600	600	24	$5.95



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Flexible Duct

Fire Rated (3 Zero) - Complies with AS4254



Flexible Duct

Silver Black Nude Core

Product Code	Diameter Imperial	Diameter Metric	Length Metres	Price
NC4	4	100	6	$8.67
NC5	5	125	6	$9.07
NC6	6	150	6	$9.48
NC8	8	200	6	$11.59
NC10	10	250	6	$14.96
NC12	12	300	6	$18.32
NC14	14	350	6	$24.65
NC16	16	400	6	$33.52



Metalised Silver Sleeve to Suit R0.6

Product Code	Diameter Imperial	Diameter Metric	Lay Flat Size mm	Roll Length Metres	Price
SS6R06	6	150	342	300	$200.60
SS8R06	8	200	420	300	$275.40
SS10R06	10	250	490	300	$311.10
SS12R06	12	300	570	300	$358.70
SS14R06	14	350	650	300	$411.40
SS16R06	16	400	730	300	$472.60
SS18R06	18	450	810	300	$527.00



Metalised Silver Sleeve to Suit R1.0

Product Code	Diameter Imperial	Diameter Metric	Lay Flat Size mm	Roll Length Metres	Price
SS6R1	6	150	359	300	$226.10
SS8R1	8	200	439	300	$289.00
SS10R1	10	250	515	300	$331.50
SS12R1	12	300	605	300	$394.40
SS14R1	14	350	680	300	$431.80
SS16R1	16	400	755	300	$489.60
SS18R1	18	450	845	300	$572.90



Insulated Flexible Duct R0.6

Product Code	Diameter Imperial	Diameter Metric	Length Metres	Price
IF6R06	6	150	6	$21.25
IF8R06	8	200	6	$27.62
IF10R06	10	250	6	$33.57
IF12R06	12	300	6	$40.37
IF14R06	14	350	6	$49.98
IF16R06	16	400	6	$62.05
IF18R06	18	450	6	$68.34
IF20R06	20	500	6	$73.52

*To be used only in floor trusses in multi-story dwellings or service risers.
(Not recommended for commercial applications)



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Flexible Duct

Insulated Flexible Duct R1.0

Product Code	Diameter Imperial	Diameter Metric	Length Metres	Price
IF6R1	6	150	6	$30.85
IF8R1	8	200	6	$37.65
IF10R1	10	250	6	$45.73
IF12R1	12	300	6	$54.23
IF14R1	14	350	6	$63.75
IF16R1	16	400	6	$77.00
IF18R1	18	450	6	$84.15
IF20R1	20	500	6	$92.31



Insulated Flexible Duct R1.5

Product Code	Diameter Imperial	Diameter Metric	Length Metres	Price
IF6R15	6	150	6	$51.34
IF8R15	8	200	6	$61.20
IF10R15	10	250	6	$70.04
IF12R15	12	300	6	$86.95
IF14R15	14	350	6	$100.47
IF16R15	16	400	6	$118.40



Insulated Flexible Duct R2.0

Product Code	Diameter Imperial	Diameter Metric	Length Metres	Price
IF6R2	6	150	6	$64.85
IF8R2	8	200	6	$81.26
IF10R2	10	250	6	$99.28
IF12R2	12	300	6	$116.87
IF14R2	14	350	6	$137.61
IF16R2	16	400	6	$167.36



Insulated Acoustic Flexible Duct R1.0

Product Code	Diameter Imperial	Diameter Metric	Length Metres	Price
IAF6R1	6	150	6	$47.17
IAF8R1	8	200	6	$57.97
IAF10R1	10	250	6	$68.00
IAF12R1	12	300	6	$87.55
IAF14R1	14	350	6	$99.28
IAF16R1	16	400	6	$109.48



Notes

Intumescent Fire Dampers



Lorient Intumescent Fire Dampers

LVH44 Square & Rectangular Intumescent Fire Dampers

Product Code	Nom. Size Metric	Act. Size Metric	Price
LVH44-44	100 x 100	95 x 95	$68.00
LVH44-64	150 x 100	145 x 95	$73.10
LVH44-66	150 x 150	145 x 145	$74.80
LVH44-86	200 x 150	195 x 145	$90.10
LVH44-88	200 x 200	195 x 195	$102.00
LVH44-108	250 x 200	245 x 195	$130.05
LVH44-1010	250 x 250	245 x 245	$143.65
LVH44-1210	300 x 250	295 x 245	$166.60
LVH44-1212	300 x 300	295 x 295	$187.00
LVH44-1414	350 x 350	345 x 345	$219.30
LVH44-1515	375 x 375	370 x 370	$263.50
LVH44-1616	400 x 400	395 x 395	$263.50
LVH44-1818	450 x 450	445 x 445	$313.65
LVH44-2020	500 x 500	495 x 495	$359.55
LVH44-2424	600 x 600	595 x 595	$494.70
	*Special Sizes Available on Request		



LVHO Circular Intumescent Fire Dampers

Product Code	Nom. Dia.	Price (Galvanised Duct)
LVHO-4	100	$83.30
LVHO-5	125	$100.30
LVHO-6	150	$104.55
LVHO-8	200	$191.25
LVHO-10	250	$293.25
LVHO-12	300	$529.55
LVHO-14	350	$752.25
LVHO-16	400	$882.30
LVHO-18	450	$1107.55



LVHO-HF Hi-Flo Circular Intumescent Fire Dampers

Product Code	Nom. Dia.	Price (Galvanised Duct)
LVHO-HF6	150	$117.30
LVHO-HF8	200	$221.00



Lorient Intumescent Fire Dampers

LVH-D Fire Door Kits			
Product Code	**Standard Kit Sizes**	**Cover Grille Standard Colour**	**Price**
LVH-D2412	600 x 300 mm	Silver	$661.30
LVH-D1818	450 x 450 mm	Silver	$661.30

Notes:
(i) Kits supplied complete with pair of cover grilles, Lorient Intumescent Mastic, Fixings and installation instructions.
(ii) Standard sizes only apply – up to two kits may be installed per door leaf if required
(iii) Kits suits both 35 and 45 mm thick fire doors

Intumescent Fire Dampers For use in Fire Doors



2 hour Fire Ratings (FRL -/120/30)
New design suits 35mm thick fire doors

General

Lorient LVH-D (Door Mounted) series Intumescent Fire Dampers are designed for use in fire door assemblies. The damper units are slimline and are available with an overall thickness of only 35 or 44mm allowing them to be incorporated within conventional 35 and 45 mm nominal fire door leaves. In everyday service the damper allows a through flow of air for ventilation or equalisation of pressure on either side of the doorway. The units are robust, virtually maintenance free, will not be damaged by vibration or slamming and have no loose parts to cause rattles when the door is opened or closed.

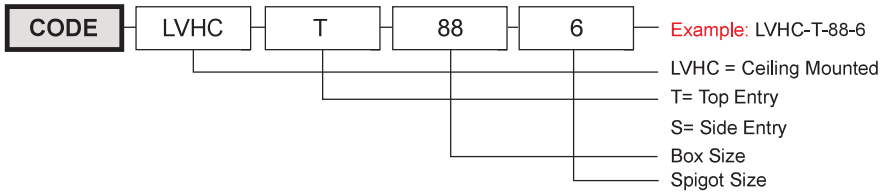
The fire damper kit comes complete with a pair of face fixed, decorative powder coated steel cover grilles that give a neat appearance whilst also providing a degree of privacy.
Lorient LVH-D series intumescent fire dampers have been fire tested to AS1530.4 and are approved for most proprietary fire door assemblies that comply with AS/NZS1905.1.

Key Features

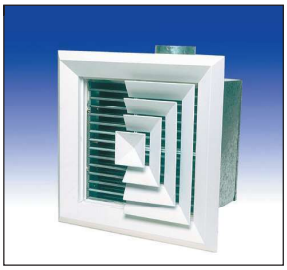
- Innovative slimline design
- No moving parts
- Up to 2 hours fire rating
- Fits into both Mini & Maxi fire doors
- Easily installed in new or retrofitted into existing doors
- All in one kit - complete with fixing screws, cover grilles and intumescent mastic

Lorient Intumescent Fire Dampers

LVH-C Ceiling Mounted–60 min System Integrity & Insulation (Incipient Rated)			
Product Code	**Box Size Metric**	**Nom. Box Size Imperial**	**Price**
LVHC66	150 x 150	6 x 6	$166.60
LVHC88	200 x 200	8 x 8	$198.90
LVHC99	225 x 225	9 x 9	$272.00
LVHC1010	250 x 250	10 x 10	$277.10
LVHC1212	300 x 300	12 x 12	$341.70
LVHC1414	350 x 350	14 x 14	$387.60
LVHC1515	375 x 375	15 x 15	$433.50
LVHC1616	400 x 400	16 x 16	$455.60
LVHC1818	450 x 450	18 x 18	$530.40
LVHC2416	600 x 400	24 x 16	$663.00
LVHC2816	700 x 400	28 x 16	$884.00
LVHC3016	750 x 400	30 x 16	$952.00
LVHC3616	900 x 400	36 x 16	$1054.00
LVHC3622	900 x 550	36 x 22	$1173.00



Systems available with integrity, insulation and incipient fire ratings



General

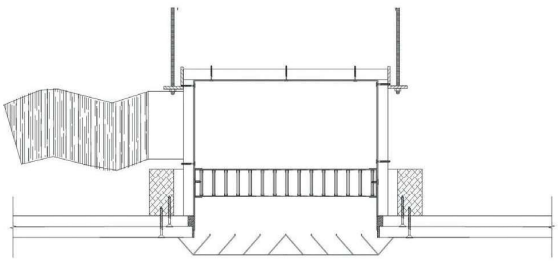
The Lorient LVH-C series (Ceiling Mounted) intumescent fire dampers allow for air transfer penetrations in fire rated Plasterboard ceilings. Special systems can be provided for integrity, insulation and incipient fire ratings. Their slimline design and absence of moving parts allow major space savings when compared to conventional 'rat trap' type mechanical ceiling fire dampers.

Lorient LVH-C series intumescent fire dampers have been fire tested to AS1530.4 and comply with the Building Code of Australia, specification C3.15 and with the requirements of AS/NZS1668.1.

This system is ideal for retrofit applications during fire safety upgrades.

Key Features

- New and innovative design
- Space savings compared to 'rat trap' type designs
- Suitable for use behind supply air diffusers and return air grilles
- Slim line design, only 44 mm thick
- Lightweight
- Moisture resistant
- No moving parts
- Maintenance cost savings (no Level 2 operational checks as per AS1851.6)



Wombat Intumescent Fire Dampers

Wombat Square & Rectangular Intumescent Fire Dampers

Product Code	Nom. Size Metric	Act. Size Metric	Price
IFD-44	100 x 100	95 x 95	$58.65
IFD-64	150 x 100	145 x 95	$61.20
IFD-66	150 x 150	145 x 145	$62.05
IFD-86	200 x 150	195 x 145	$74.80
IFD-88	200 x 200	195 x 195	$80.75
IFD-108	250 x 200	245 x 195	$124.95
IFD-1010	250 x 250	245 x 245	$139.40
IFD-1210	300 x 250	295 x 245	$161.50
IFD-1212	300 x 300	295 x 295	$179.35
IFD-1414	350 x 350	345 x 345	$209.10
IFD-1515	375 x 375	370 x 370	$245.65
IFD-1616	400 x 400	395 x 395	$245.65
IFD-1818	450 x 450	445 x 445	$281.35
IFD-2020	500 x 500	495 x 495	$318.75
IFD-2424	600 x 600	595 x 595	$457.30
*Special Sizes Available on Request			



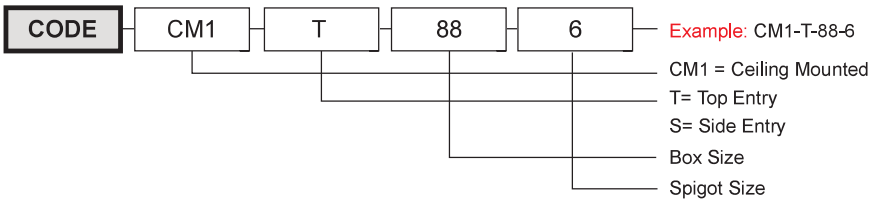
Wombat Circular Intumescent Fire Dampers

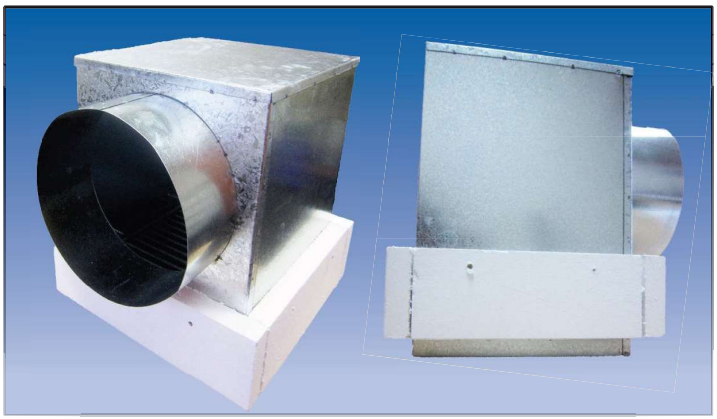
Product Code	Nom. Dia.	Price (Galvanised Duct)
IFO-4	100	$72.25
IFO-5	125	$85.00
IFO-6	150	$91.80
IFO-8	200	$164.05
IFO-10	250	$244.80
IFO-12	300	$474.30
IFO-14	350	$674.05
IFO-16	400	$790.50
IFO-18	450	$992.80



Wombat Intumescent Fire Dampers

Wombat Ceiling Mounted - 120 min System Integrity & Insulation (Incipient Rated)			
Product Code	**Box Size Metric**	**Nom. Box Size Imperial**	**Price**
CM1-66	150 x 150	6 x 6	$153.00
CM1-88	200 x 200	8 x 8	$180.20
CM1-99	225 x 225	9 x 9	$248.20
CM1-1010	250 x 250	10 x 10	$158.36
CM1-1212	300 x 300	12 x 12	$309.40
CM1-1414	350 x 350	14 x 14	$353.60
CM1-1515	375 x 375	15 x 15	$382.50
CM1-1616	400 x 400	16 x 16	$413.10
CM1-1818	450 x 450	18 x 18	$479.40
CM1-2416	600 x 400	24 x 16	$527.00
CM1-2816	700 x 400	28 x 16	$748.00
CM1-3016	750 x 400	30 x 16	$816.00
CM1-3616	900 x 400	36 x 16	$884.00
CM1-3622	900 x 550	36 x 22	$1037.00





Key Features

- New and innovative design
- Space savings compared to 'rat trap' type designs
- Suitable for use behind supply air diffusers and return air grilles
- Slim line design, less than 50mm thick
- Lightweight
- Moisture resistant
- No moving parts
- Maintenance cost savings (no Level 2 operational checks as per AS1851.6)

General

The Wombat (Ceiling Mounted) intumescent fire dampers allow for air transfer penetrations in fire rated Plasterboard ceilings. Special systems can be provided for integrity, insulation and incipient fire ratings. Their slimline design and absence of moving parts allow major space savings when compared to conventional 'rat trap' type mechanical ceiling fire dampers. Wombat intumescent fire dampers have been fire tested to AS1530.4 and comply with the Building Code of Australia, specification C3.15 and with the requirements of AS/NZS1668.1. This system is ideal for retrofit applications during fire safety upgrades.

Fans









Axial Fans.....pg.154

MAN Centrifugal Fans.....pg.154-157

Mixed Flow Fans.....pg.158-161

ACM Mixed Flow Fans.....pg.162-165

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Hygene - Tempest Hand Dryers.....pg.176-177

Lo-Carbon Silhouette®.....pg.178-179

Silhouette® Slimline.....pg.180-181



Axial

- Available in 150 mm, 200 mm & 250 mm
- Mounting foot fitted as standard
- Plug and lead fitted
- Fixed speed



Fan Code	Fan DIA	l/s	Fan Speed	dBA @ 3M	KW	AMPS	Fan Cost
FAN6	150 mm	83	2700 rpm	42	0.038	0.3	$38.25
FAN8	200 mm	210	2500 rpm	51	0.065	0.45	$100.30
FAN10	250 mm	370	2700 rpm	52	0.072	0.85	$146.20

* Max 3 metres of duct for 150 diameter fan.

Matching Ancillaries

Fan Size	BDD	RND	ERND	JF	FCEG	GG	LGF	SOB + WPL	NC
150	✓	✓	✓	✓	✓	✓	✓	✓	✓
200	✓	✓	✓	✓	✓				✓
250	✓	✓		✓	✓				✓
									
	see pg.184	see pg.38	see pg.43	see pg.40	see pg.45	see pg.65	see pg.65	see pg.68	see pg.144

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MAN Centrifugal In-Line Fans



Features and Benefits

- Strong impact resistant plastic in-line range
- Flame retardant casing
- High performance
- Suitable for a variety of domestic and commercial applications
- Supported by a two year warranty
- **IP44** Rated.

Fan Code	Fan DIA	Price
MAN100	100 mm	$341.70
MAN125	125 mm	$385.90
MAN150	150 mm	$261.80
MAN150HP	150 mm	$418.20
MAN200	200 mm	$306.00
MAN250	250 mm	$1213.80
MAN315	315 mm	$583.10
MAN315HP	315 mm	$1190.00

How to Select the Correct Model

MAN Centrifugal Fan Diameter (mm) — MAN 150

Ducted Ventilation

These models are engineered for flexibility. Suitable for a variety of domestic, commercial and industrial applications. These in-line centrifugal duct fans offer extremely high performance in a choice of sizes.

These fans are produced from a strong impact light grey plastic casing.

Electrical

Motors are 220-240V single phase 50Hz. These fans are double insulated and do not require an earth.

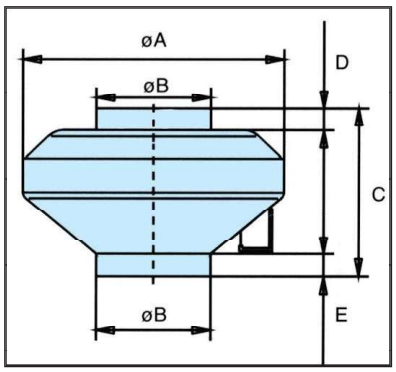
Motor/Impeller

2 pole single phase induction motor with ball bearings fitted for a long, maintenance free life and protected by a thermo-auto resetting cut-out approved totally enclosed for protection against dust and dirt. Motors are continually rated.

Testing

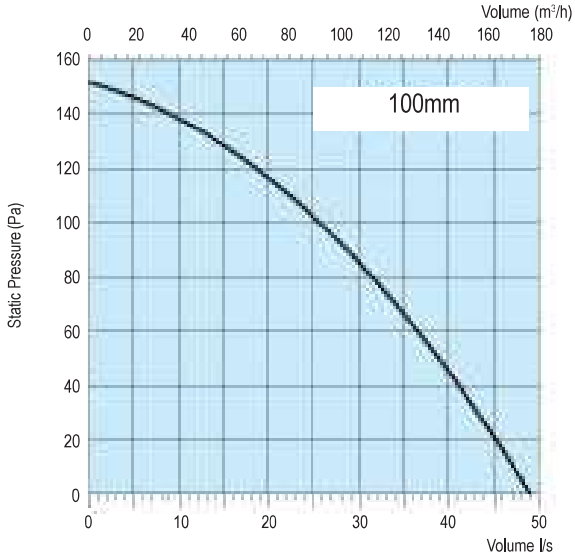
Airflow tested to BS848-1, 1980
Noise data tested to BS848-2, 1985

Dimensions

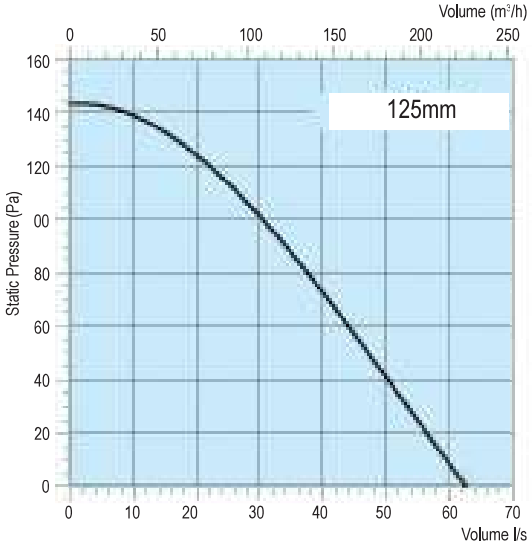


Models	A	B	C	D	E
MAN100	250	100	136	50	70
MAN125	250	125	147	60	60
MAN150	340	150	154	50	75
MAN150HP	340	149	230	30	30
MAN200	340	200	154	50	75
MAN250	340	249	230	30	30
MAN315	405	315	177	80	80
MAN315HP	405	315	275	30	30

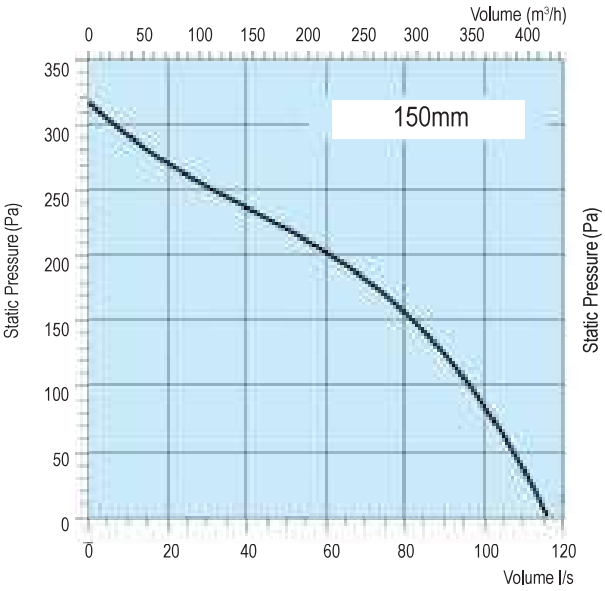
Performance - MAN100



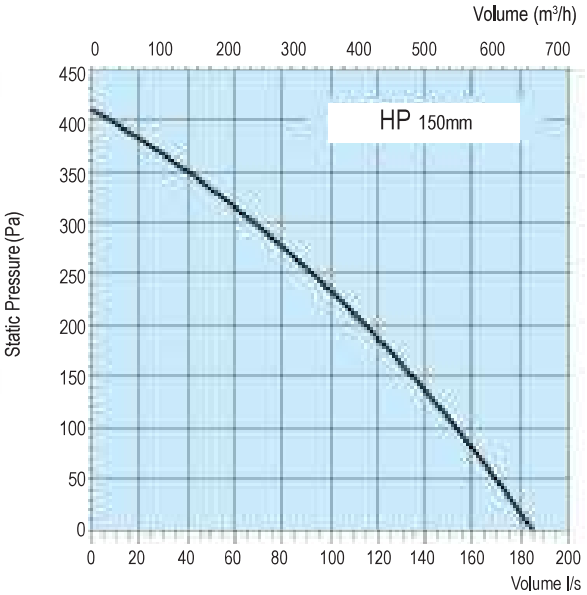
Performance - MAN125



Performance - MAN150



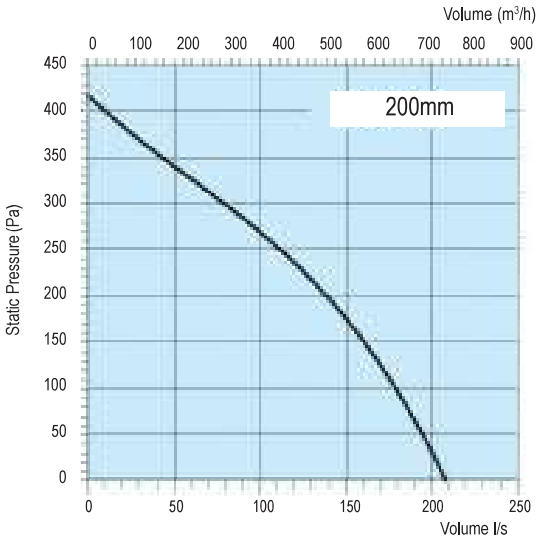
Performance - MAN150HP



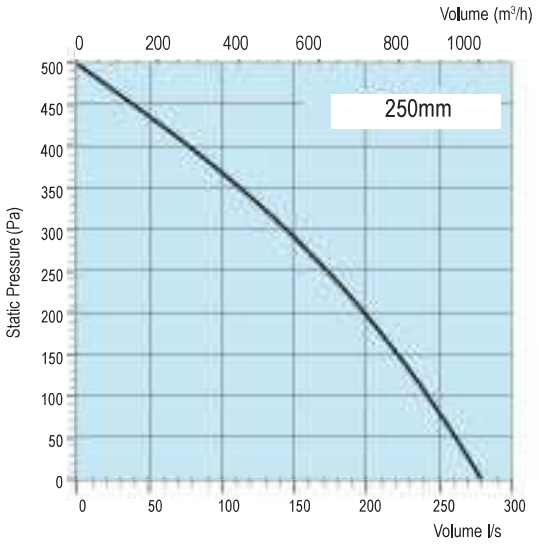
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Performance Graphs

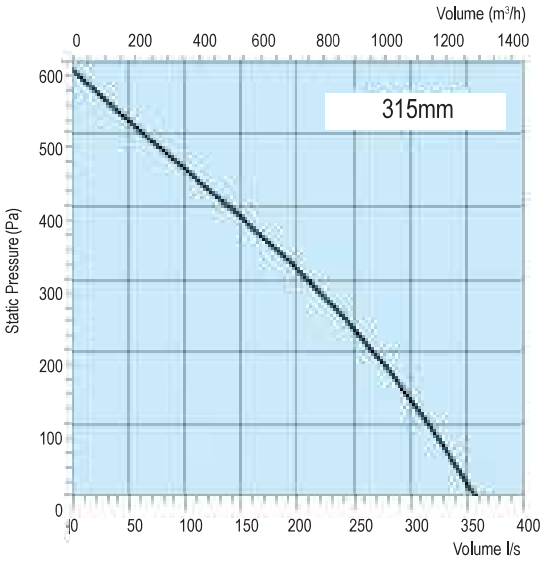
Performance - MAN200



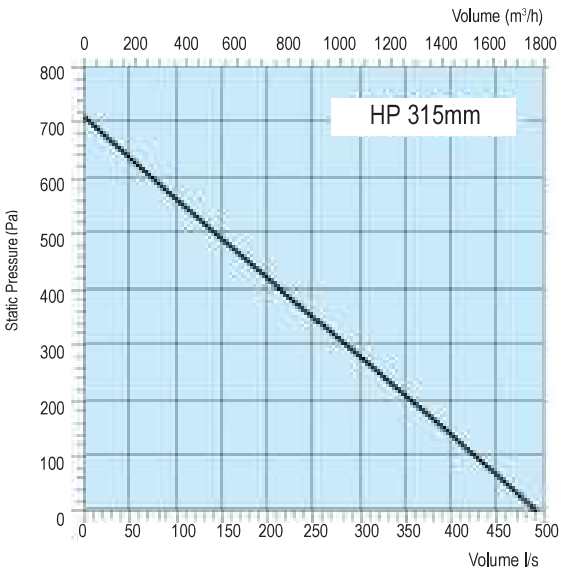
Performance - MAN250



Performance - MAN315



Performance - MAN315HP

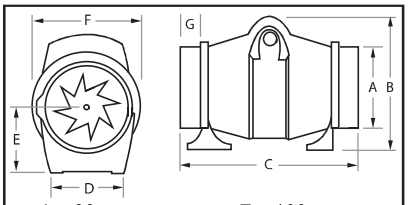


Models	MAN100	MAN125	MAN150	MAN150HP	MAN200	MAN250	MAN315	MAN315HP
Fan Performance (l/s)	49	61	115	150	208	280	360	470
Fan Performance (m^3/hr)	176	220	415	66	750	1010	1300	1700
Fan Wattage (W)	32	31	80	110	110	170	200	320
Maximum Pressure (Pa)	153	143	320	412	418	500	590	710
Current (A)	0.14	0.13	0.35	0.5	0.45	0.76	0.87	1.40
Fan Speed $^{(min-1)}$ RPM	2500	2490	2350	2520	2520	2580	2410	2320
Sound Level (dB(A)) @3m	38	38	50	53	56	57	57	59
Max Operating Temp (^{0}C)	60	60	50	60	60	50	45	40

Mixed Flow - MF4 100mm

- 2 Speed
- High airflow / pressure development
- Continuously Rated for 30,000 hrs
- Max airflow 69 l/s max pressure 200Pa (see graph)
- Compact design
- Fan assembly easily removable through clip arrangement
- Easy mounting method
- 4 Year Warranty



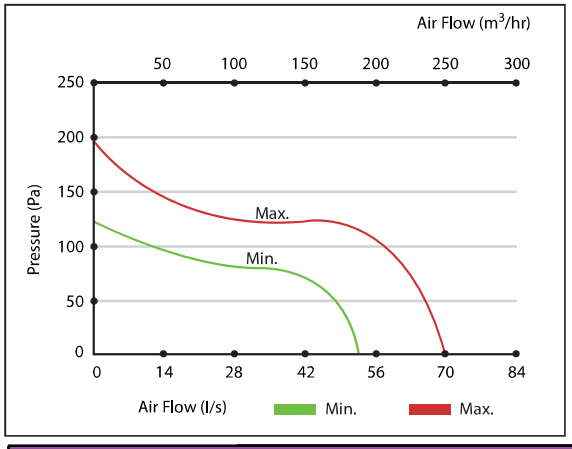


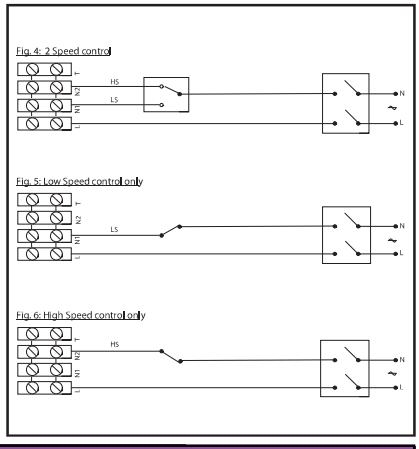
A = 98
B* = 182
C = 315
D = 100
E = 100
F = 168
G = 27
* Measured with junction box on side (junction box height of 35mm)

Fan Code	Fan Speed	KW	dBA @ 3m	Fan Cost
MF4	High 2300 rpm	High 0.04	40	$134.30
	Low 1700 rpm	Low 0.018		
MF4ROT	High 2300 rpm	High 0.04	40	$195.50
	Low 1700 rpm	Low 0.018		
MF4PL	High 2300 rpm	High 0.04	40	$153.00
	Low 1700 rpm	Low 0.018		

Sound Power Levels

Fan Code	125	250	500	1000	2000	4000	8000	LWA dBA
MF4	50	56	58	58	52	47	37	61





Matching Ancillaries

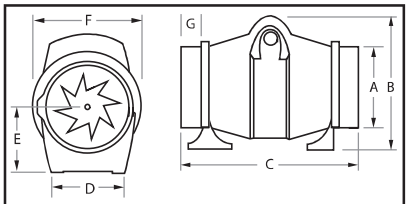
BDD	FCEG	GG	LGF	NC
				
see pg.184	see pg.45	see pg.65	see pg.65	see pg.144

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Mixed Flow - MF5 125mm

- 2 Speed
- High airflow / pressure development
- Continuously rated for 30,000hrs
- Max airflow 89 l/s Max pressure 230Pa (see graph)
- Compact design
- Fan assembly easily removable through clip arrangement
- Easy mounting method
- 4 Year Warranty



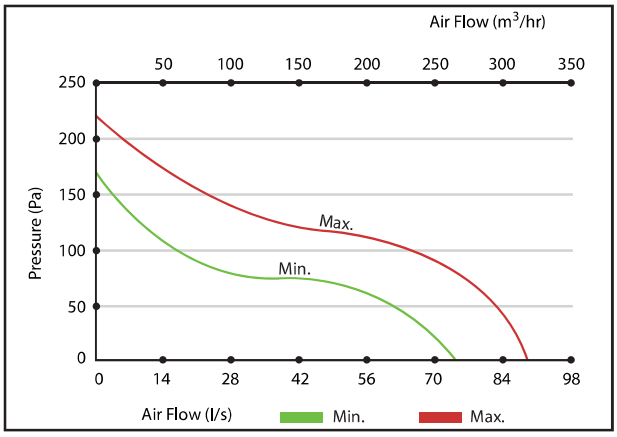


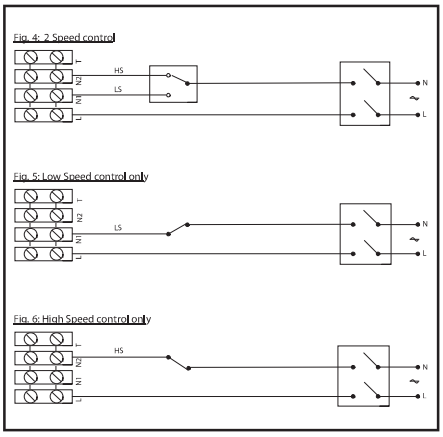
A = 122 E = 100
B* = 182 F = 168
C = 350 G = 60
D = 100 * Measured with junction box on side (junction box height of 35mm)

Fan Code	Fan Speed	KW	dBA @ 3m	Fan Cost
MF5	High 2300 rpm	High 0.04	43	$146.20
	Low 1700 rpm	Low 0.018		
MF5ROT	High 2300 rpm	High 0.04	43	$222.70
	Low 1700 rpm	Low 0.018		
MF5PL	High 2300 rpm	High 0.04	43	$166.60
	Low 1700 rpm	Low 0.018		

Sound Power Levels

Fan Code	125	250	500	1000	2000	4000	8000	LWA dBA
MF5	52	59	60	60	56	49	41	63.5





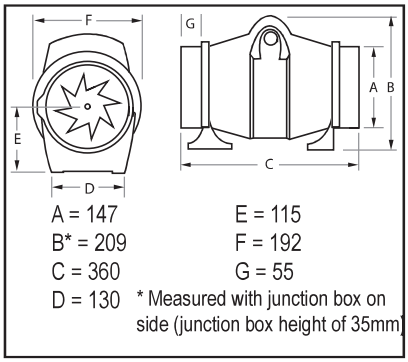
Matching Ancillaries

BDD	FCEG	GG	LGF	NC
				
see pg.184	see pg.45	see pg.65	see pg.65	see pg.144

Mixed Flow - MF6 - 150mm

- 2 Speed
- High airflow / pressure development
- Continuously rated for 30,000 hours
- Max airflow 155 l/s max pressure drop 360Pa (see graph)
- Compact design
- Easily removable fan assembly using clip arrangement
- Easy mounting methods
- 4 Year Warranty



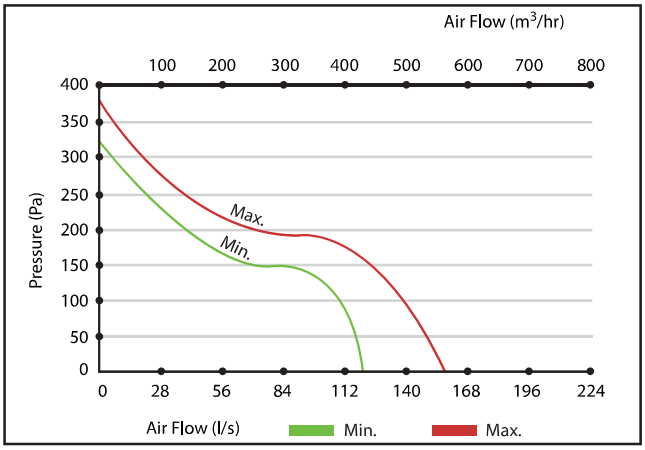


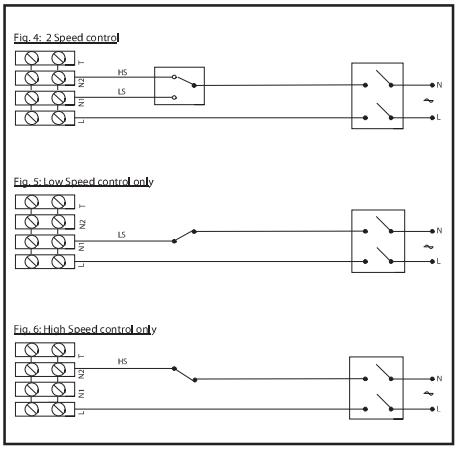
A = 147 E = 115
B* = 209 F = 192
C = 360 G = 55
D = 130 * Measured with junction box on side (junction box height of 35mm)

Fan Code	Fan Speed	KW	dBA @ 3m	Fan Cost
MF6	High 2700 rpm	High 0.07	47	$171.70
	Low 2000 rpm	Low 0.06		
MF6ROT	High 2700 rpm	High 0.07	47	$219.30
	Low 2000 rpm	Low 0.06		
MF6PL	High 2700 rpm	High 0.07	47	$192.10
	Low 2000 rpm	Low 0.06		

Sound Pressure Levels

Fan Code	125	250	500	1000	2000	4000	8000	LWA dBA
MF6	58	66	65	63	62	54	46	67.5





Matching Ancillaries

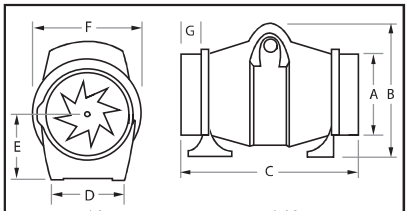
BDD	RND	ERND	JF	FCEG	GG	LGF	SOB + WPL	NC
								
see pg.184	see pg.38	see pg.43	see pg.40	see pg.45	see pg.65	see pg.65	see pg.68	see pg.144

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Mixed Flow - MF8 200mm

- High airflow / pressure development
- Continuously rated for 30,000 hrs
- Max airflow 253 l/s max pressure drop 300PA (see graph)
- Compact design
- Easily removable fan assembly using clip arrangement
- Easy mounting method
- 4 Year Warranty

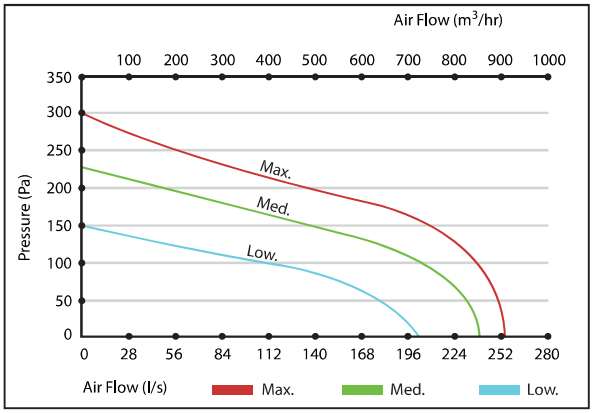


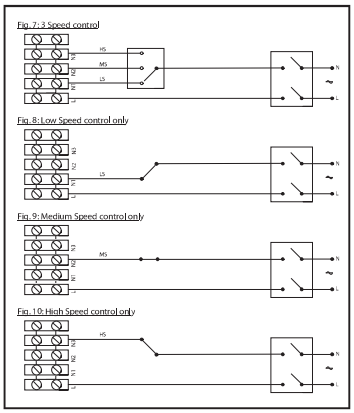


A = 197 E = 140
B* = 244 F = 230
C = 354 G = 50
D = 142 * Measured with junction box on side (junction box height of 35mm)

Fan Code	Fan Speed	KW	dBA @ 3m	Fan Cost
MF8	High 2700 rpm	High 0.085	48	$202.30
	Medium 2350 rpm	Medium 0.060		
	Low 2000 rpm	Low 0.045		
MF8ROT	High 2700 rpm	High 0.085	48	$255.00
	Medium 2350 rpm	Medium 0.060		
	Low 2000 rpm	Low 0.045		
MF8PL	High 2700 rpm	High 0.085	48	$229.50
	Medium 2350 rpm	Medium 0.060		
	Low 2000 rpm	Low 0.045		

Fan Code	125	250	500	1000	2000	4000	8000	LWA dBA
MF8	65	69	64	63	62	60	48	69





Matching Ancillaries

BDD	RND	JF	FCEG	NC
				
see pg.184	see pg.38	see pg.40	see pg.45	see pg.144

ACM® Mixed Flow In-Line Fans 100-200mm



Features and Benefits

- Two speed selectable motor
- Timer versions (not speed controllable)
- Simple Installation
- Removable motor core assembly
- Rotating motor chassis assembly
- Aesthetically pleasing with easy clean polymer body
- Easily accessible terminal block with 20mm entry
- Designed to meet IP44

Fan Code	Fan DIA	Price
ACM100	100 mm	$192.10
ACM100T	100 mm	$210.80
ACM125	125 mm	$202.30
ACM125T	125 mm	$212.50
ACM150	150 mm	$256.70
ACM150T	150 mm	$277.10
ACM200	200 mm	$326.40
ACM200T	200 mm	$351.90

How to Select the Correct Model

ACM | 150 | T

ACM Mixed Flow
Fan Diameter (mm)
Switching Method
either (blank) for Standard switching
or (T) for Timer models

Ducted Ventilation

Vent-Axia has designed a complete range of Mixed Flow In-Line fans with low noise levels. ACM has a range of models which have been designed for use with rigid and flexible ducting. With consideration given to the installer the ACM In Line Mixed Flow fan is a product that is simple to install.

In Line Mixed Flow Fans offer two and half times the pressure of conventional axial fans, are dimensionally more compact making them ideal for many ducted applications.

The impeller blade design with guide vanes provides optimum pressure characteristics and simple connectivity and quieter more efficient running provides the complete solution.

Cleaning the product has also become simple as all parts can be removed without removing the ducting.

The ACM Mixed Flow In-Line fan can operate in both horizontal and vertical positions and can be mounted to meet its optimum performance.

The unit has a separate footplate for simple location mounting, detachable spigots for simple connection to ducting. The motor body chassis now rotates to provide connection where room is at a premium. The product is mounted using two straps that secure the motor chassis assembly to the footplate.

Motor

All motors are fitted with Standard Thermal Overload Protection. (S.T.O.P.). Motors are speed controllable on their high speed setting. Designed for ambient temperatures up to +50°C. All sizes with capacitor run motors. All sizes are Class I appliances. Supply voltage 220-240V/1/50Hz

Testing

Airflow tested to BS848-1, 1980
Noise data tested to BS848-2, 1985

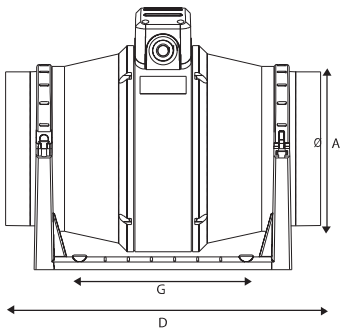
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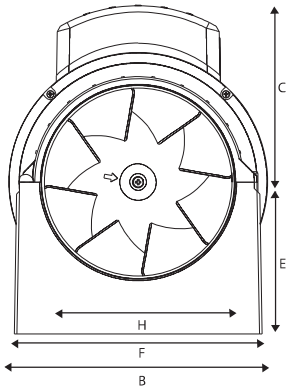
ACM® Mixed Flow Fans

Dimensions (mm)

Size	100	125	150	200
A	97	122	147	200
B	178	178	200	223
C	124	124	138	146
D	298	259	350	300
E	96	96	118	130
F	168	168	192	195
G	120	120	162	100
H	154	154	178	180

* Sizes 250mm and 315mm dimensions TBC



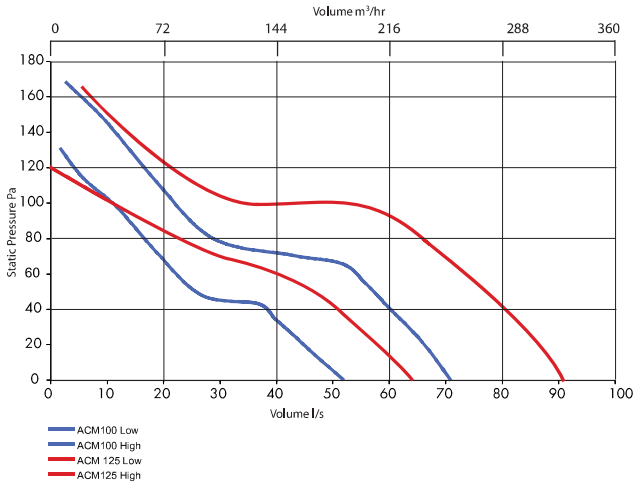


Performance

Model	Nominal r.p.m	Performance l/s @ Pa 0	25	50	100	150	200	250	300	400	Watts	Amps	dB(A) at 3m
ACM100	L 1670	52	43	24	10	-	-				18	0.09	29
	H 2200	71	65	57	20	-	-				23	0.1	37
ACM125	L 1800	65	55	44	15	10	-				25	0.12	29
	H 2400	91	85	76	33	10	-				30	0.13	39
ACM150	L 1870	123	150	100	77	22					42	0.19	37
	H 2350	145	136	129	105	54					48	0.21	44
ACM200	L 1250	140	140	120	110	100					100	0.45	42
	H 2250	250	250	240	230	210	170				110	0.55	50

Performance Graphs

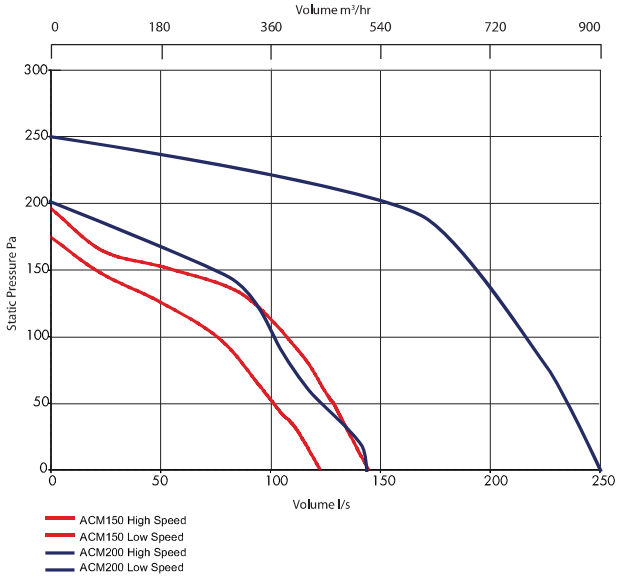
100/125mm



ACM® Mixed Flow Fans

Performance Graphs

150/200mm



Acoustics Sound Power Level Based on High Speed

		Hz								
Model No.		63	125	250	500	1K	2K	4K	8K	dBA @3m
ACM100	Inlet	35	39	46	55	47	42	37	33	37
	Outlet									
	Breakout	36	36	34	31	31	32	25	24	23
ACM125	Inlet	38	44	51	51	50	48	43	36	39
	Outlet									
	Breakout	36	34	39	32	32	34	24	24	24
ACM150	Inlet	40	44	53	52	51	59	48	41	44
	Outlet									
	Breakout	39	41	44	42	47	46	31	26	35
ACM200	Inlet	41	45	50	51	54	61	53	45	50
	Outlet	43	50	51	51	54	59	56	46	50
	Breakout	37	42	39	39	43	54	37	28	41

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ACM® Mixed Flow In-Line Fans 250 - 315mm



Features and Benefits

- Available in two sizes
- Simple installation
- Supplied complete for installation
- Diagonal impeller with stator
- Galvanised metal housing
- Integrated thermal switch
- Designed to meet IP54
- Optimise fan performance by using an approved Vent-Axia contoller

Fan Code	Fan DIA	Price
ACM250	250 mm	$1120.30
ACM315	315 mm	$1264.80

Ducted Ventilation

ACM 250mm and 315mm complete the Vent-Axia range of Mixed Flow In-Line fans with low noise levels. Designed for use with rigid and flexible ducting, ACM In Line Mixed Flow fans give consideration to the installer with a product that is simple to install.

In Line Mixed Flow Fans offer two and half times the pressure of conventional axial fans. They are dimensionally more compact making them ideal for many ducted applications. The impeller blade design with guide vanes provides optimum pressure characteristics and simple connectivity as well as quieter, more efficient running.

The ACM Mixed Flow In-Line fan can operate in both horizontal and vertical positions and can be mounted to meet its optimum performance.

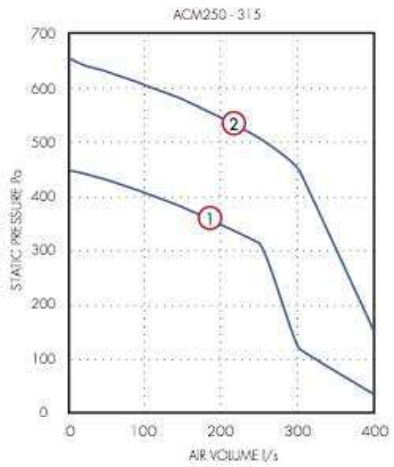
Motor

All motors are fitted with Standard Thermal Overload Protection (S.T.O.P) Motors are speed controllable on their high speed setting. Designed for ambient temperatures up to +50°C. All sizes with capacitor run motors. All sizes are Class I appliances. Supply voltage 220-240V/1/50Hz.

Controller

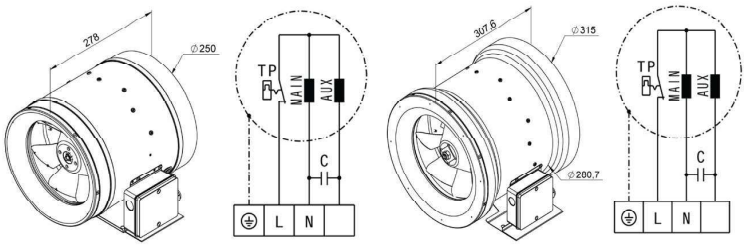
For optimum performance use a Vent-Axia controller. Surface mounted providing variable speed control with an On/Off, there is an ajustable minimum speed setting. The controller is radio suppressed to BS EN 55014 and electrical connections for use with suitable external sensors are provided.

Performance



Size	Curve	Nominal r.p.m	Watts	Amps	dB(A) @3m
250	1	2720	145	0.8	52
315	2	2840	270	1.2	56

Dimensions (mm)



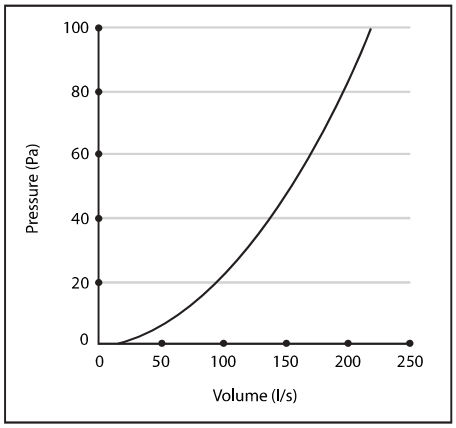
Acoustics Sound Power Level

Model No.		Hz 63	125	250	500	1K	2K	4K	8K
	Inlet		45	57	64	67	66	63	54
ACM250	Outlet	-	56	64	72	74	71	64	57
	Breakout	-	41	46	47	49	48	42	38
	Inlet	-	49	63	68	70	69	66	57
ACM315	Outlet	-	51	69	73	75	73	66	58
	Breakout	-	44	46	49	53	51	49	45

Roof Cowls Kit (No Fan Assembly) 150mm



- Aluminium construction
- Low pressure drop
- 0.5m HDPE Tube included
- DEKTITE Included (metal roofs)
- General usage and heavy duty version available
- Easy installation

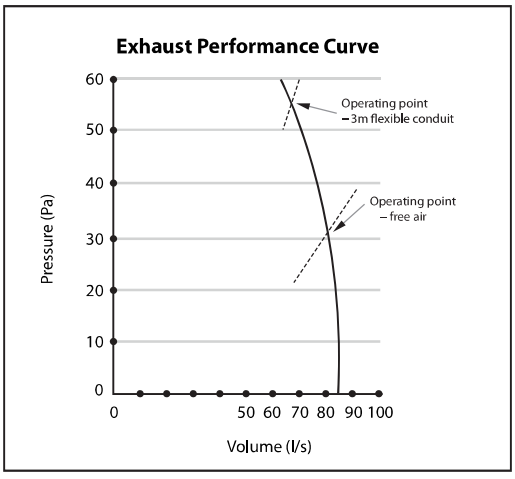


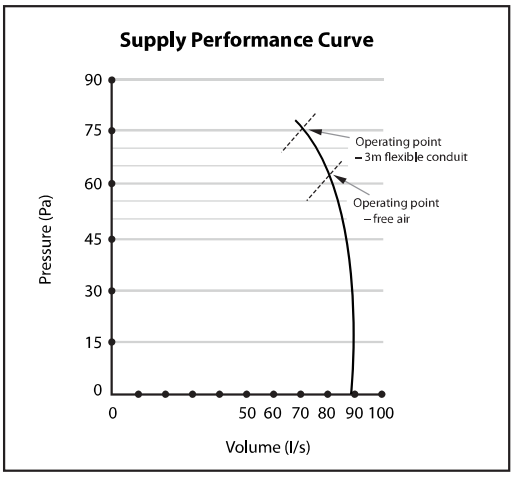
Fan Code	Size	Application	Cost
RCG6GU	150 mm	General Usage	$147.90
RCG6HD	150 mm	Heavy Duty	$232.90

Roof Exhaust/Supply Fans - Axial 150mm

- Aluminium construction of cowl
- 0.5m HDPE tube included
- DEKTITE included (metal roof)
- Easy installation
- Low internal noise levels
- Electrical connection can be made inside or outside of roof space (interior junction box included)

Fan Code	Fan Cost
REFA6	$292.40
RSFA6	$232.90



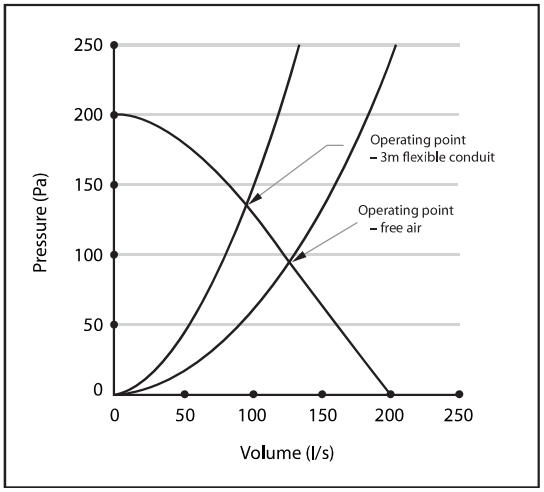


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Roof Exhaust Fans - Centrifugal 150mm



- Aluminium construction of cowl
- 0.5 m HDPE Tube included
- DEKTITE included (metal roofs)
- Easy installation
- Low internal noise levels
- Electrical connection can be made inside or outside of roof space (interior junction included)



Fan Code	Fan Cost
REFC6	$421.60

Matching Ancillaries

BDD	RND	ERND	JF	FCEG	GG	LGF	SOB + WPL
							
see pg.184	see pg.38	see pg.43	see pg.40	see pg.45	see pg.65	see pg.65	see pg.68

Vent-Axia T-Series®

Roof Models



Features and Benefits

- Extract/intake model in 4 sizes:150/200/230 and 300mm.
- Patented electronic shutter system ensures quiet, trouble free operation.
- Designed to comply with International safety standards.
- For the very best from your fan use the Ecotronic controller
- T-Series controllers and sensors save energy by only switching on the units when you want them to, either manually or automatically.
- Easy fit connector Top Socket, standard on all models.

Fan Code	Fan DIA	Price
TX6RF	150 mm (6")	$450.50
TX7RF	175 mm (7")	$663.00
TX9RF	230 mm (9")	$630.70
TX12RF	300 mm (12")	$790.50

How to Select the Correct Model

TX 9 RF

T-Series Fan
Fan Diameter (inches)
Installation Type:
(RF) for Roof models

UK's No.1 Commercial Fan

With a low profile cowl, the T-Series Roof model is suitable for installation in horizontal, angled and vertical glass as well as for fixing plates in roofs. For vertical windows or walls in exposed areas and single or double glazing including most types of glass up to 32mm thick. Greater thickness can be accomodated using extended fixing rod sets. All four sizes of Vent-Axia roof plate assemblies can be fitted easily into flat roofs.

T-Series features a unique speed control pack which enables high, medium or low speed to be preset to suit room size or required duty. When used with a T-Series TSC controller, the speed control pack is removed from the T-series ventilating unit and fitted into the 3-pin socket in the back of the controller. The Vent-Axia Ecotronic controller gives even greater running economy with its minimum speed setting and "E" mode. When using the Ecotonic controller the speed control pack remains in the fan.

Instantaneous Shutter

With energy saving in mind TX models are supplied complete with an integral instantaneous automatic louvre shutter concealed behind the interior grille. It will operate on both intake and extract and at any angle of mounting.
When the ventilating unit is used with a T-Series controller, the shutter can be set open with the fan motor switched off to provide natural ventilation without the security risk of an open window.

Electrical

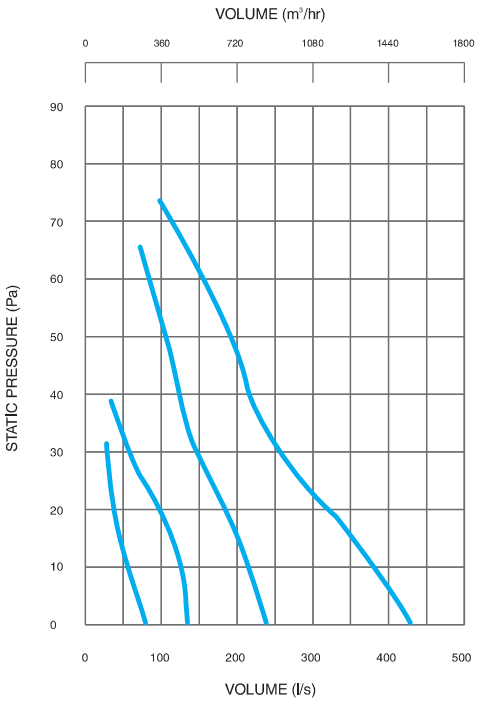
Motor purpose-designed. Suitable for running at any angle. Quiet running, enclosed. Suitable for operation in ambient temperatures from -40°C to +50°C.
Fitted with self resetting Standard Thermal Overload Protection (S.T.O.P). Supply voltage 220-240V/1/50 Hz.

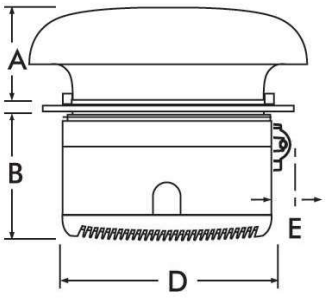
Testing

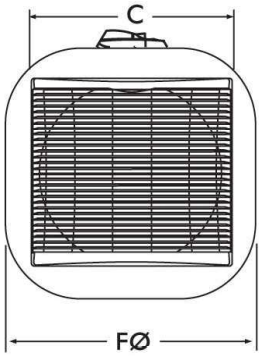
Airflow tested to BS848-1, 1980
Noise data tested to BS848-2, 1985

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Performance







Dimensions (mm)

Size	150	175	230	300
A	100	136	136	171
B	130	130	150	177
C	226	265	304	381
D	220	258	302	378
E	54	54	54	54
F Ø	285	400	400	400
Fixing Hole Ø	184	222	260	337
Weight kg	3.96	4.89	6.22	9.28

Model	Extract Performance (l/s) Low	Med	High	Watts (high)	Sound dB(A) @3m	Amps @ 240V
TX6RF	54	69	81	30	43	0.24
TX7RF	85	110	135	40	40	0.24
TX9RF	129	190	221	85	47	0.42
TX12RF	281	363	413	105	49	0.51

Acoustics Sound Power Level

		Hz								
Model No.		63	125	250	500	1K	2K	4K	8K	dBA @3m
TX6RF	Inlet - Low	38	52	47	46	43	40	31	29	33
	Inlet - Med	45	48	49	52	51	50	42	38	41
	Inlet - High	45	50	49	53	53	51	44	39	43
TX7RF	Inlet - Low	40	47	42	40	36	32	22	23	27
	Inlet - Med	44	53	54	54	48	43	36	28	37
	Inlet - High	46	54	55	55	51	48	42	34	40
TX9RF	Inlet - Low	45	58	54	51	52	45	38	32	40
	Inlet - Med	50	55	53	60	58	53	47	41	46
	Inlet - High	47	55	57	60	59	55	48	44	47
TX12RF	Inlet - Low	54	58	59	59	54	47	40	35	42
	Inlet - Med	61	64	59	60	59	53	47	41	47
	Inlet - High	62	66	62	62	62	54	48	44	49

T-Series Accessories

Roof Plate Assemblies

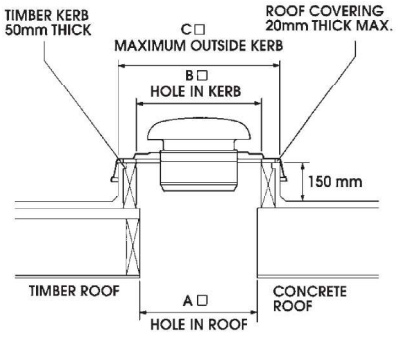


Fan Code	Fan DIA	Price
Roof Plate	230 mm (9")	$158.10
Roof Plate	300 mm (12")	$158.10

Vent-Axia roof plate assemblies are manufactured in high impact recyclable thermoplastic.

They consist of a strong one piece moulded plate with extended sides to assist flashing and weather protection.

A separate sub-frame is provided for permanent fixing to the roof kerb.
The Vent-Axia roof model is then fitted to the plate using a suitable sealing compound between the cowl and plate, ensuring a weather-tight seal.



Dimensions (mm)

Size	A	B	C
230	450	490	615
300	450	490	615

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Ducted Ventilator

Product Code	Description	Price
DV120	100 mm Ducted Ventilator	$59.50
DV150	150 mm Ducted Ventilator	$81.60

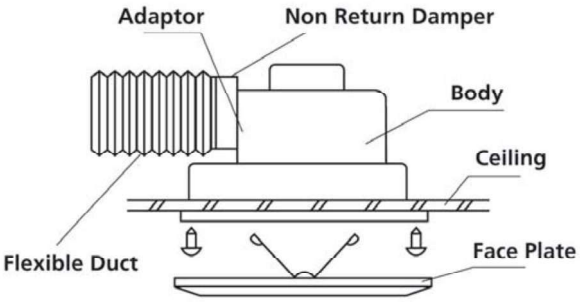


Features

- Low Profile 90° takeoff for limited access/low roof cavity use
- Non return damper prevents backflow of air
- Plug in 1.3 metre 240 volt power cord for ease of fitment
- Low noise (42/49 Decibels @ 1 metre) gives unobtrusive everyday use
- Face plate removes for easy cleaning
- Low profile/flush fit to ceiling reduces unsightly shadows
- Attractive styling fits with most decors
- Use up to 6 metres of 100/150 mm duct with minimal pressure drop

Uses

- For use in Bathrooms, toilets, laundries etc and wherever there is a need to remove air quietly and quickly
- Especially useful in apartment/ high rise applications where numbers of ventilators can be connected to common duct without any backflow problems
- Can also be used for short heat shifter applications



* Overall height of fan is 200mm.

Data Table for Ducted Ventilation

Centrifugal Fan Diameter	Volts	Hz	Watts	Rated Static Pressure	Rated Airflow	Sound Level @ 1 Metre	Ceiling Cut Out	Duct Size
120 mm	220-240	50	34	50 Pa	40 l/s	42 dBA	230 mm x 230 mm	100 mm
170 mm	240	50	38	50 Pa	72 l/s	49 dBA	282 mm x 282 mm	150 mm

Vent-Axia T-Series®

Window Models

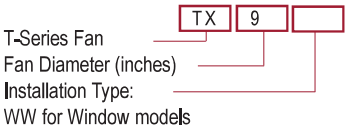


Features and Benefits

- Extract/intake fans in 4 sizes: Size 6, 7, 9 and 12.
- Patented electronic shutter system ensures quiet trouble free operation.
- Designed to comply with International safety standards.
- Shutter open/fan 'off' mode.
- Low sound levels.
- To obtain the best from your fan, use the Ecotronic controller.
- Easy fit connector Top Socket, standard on all models.
- Designed for single or double glazing up to 32mm thick.

Fan Code	Fan Size	Price
TX6WW	150 mm	$491.30
TX7WW	175 mm	$535.50
TX9WW	230 mm	$574.60
TX12WW	300 mm	$681.70

How to Select the Correct Model



UK's No. 1 Commercial Fan

T-Series range is fitted with a Vent-Axia M-Tech motor developed to improve performance and lower running costs as well as maintain T-Series' rugged reliability. A patented speed control pack is simply plugged in one of 3 positions to provide low, medium or boost speed matching the fan performance to the requirements of the installation.

Instantaneous Shutter: With energy saving in mind TX models are supplied complete with an integral instantaneous automatic louvre shutter concealed behind the interior grille. It operates on both extract and intake and at any angle of mounting. When the ventilating unit is used with a T-Series controller, the shutter can be set open with the fan motor switched off to provide natural ventilation without the security risk of an open window.

Top Socket: This unique system allows for fast and trouble-free mains connection.

Easy Cleaning: Integrated component design allows all parts to be dismantled for cleaning without the use of specialist tools.

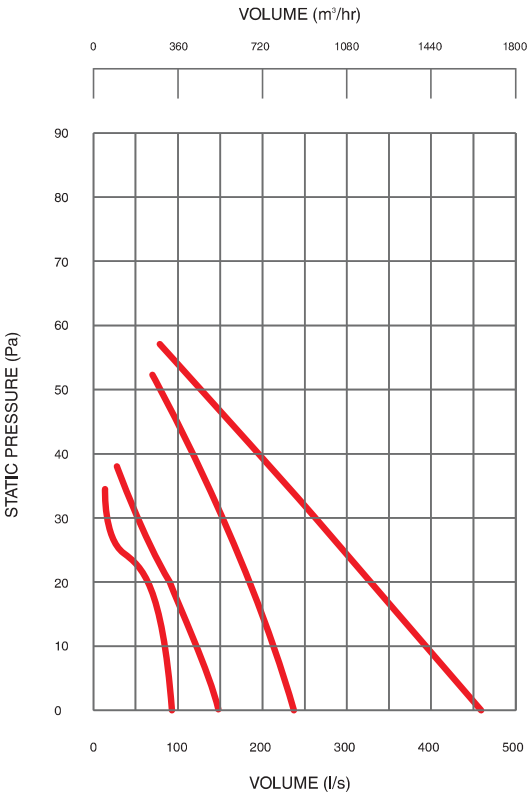
Electrical: Motor purpose-designed. Suitable for running at any angle. Quiet running, enclosed. Suitable for operation in ambient temperatures from -40°C to +50°C. Fitted with self resetting Standard Thermal Overload Protection (S.T.O.P.). Supply voltage 220-240V/1/50Hz.

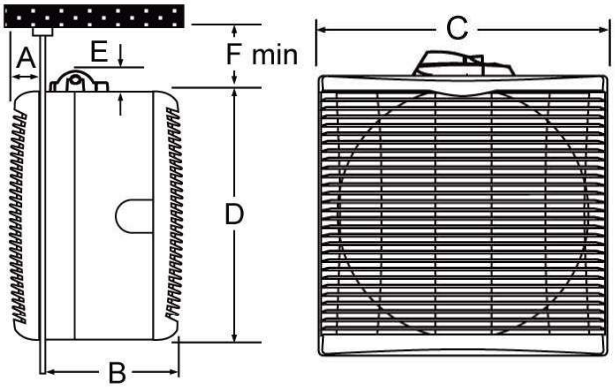
Window Models : Designed for use in single or double glazing, most types of glass and materials up to 32mm thick. Greater thicknesses can be accommodated using Extended Fixing Rod Sets. Can also be mounted in a fixing plate or wall, in ducts or above ceilings.

Testing: Airflow tested to BS848-1, 1980
Noise data tested to BS848-2, 1985

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Performance Graph





Dimensions (mm)

Size	150	175	230	300
A	31	31	39	41
B	130	130	150	177
C	226	265	304	381
D	220	258	302	378
E	19	19	19	19
F	54	54	54	54
Fixing hole Ø	184	222	260	337
Weight kg	3.57	3.93	5.35	7.74

Model	Extract Performance (l/s)			Watts	Sound	Amps @
	Low	Med	High	(high)	dB(A) @3m	240V
TX6WW	68	88	100	30	43	0.24
TX7WW	85	110	135	40	40	0.24
TX9WW	129	190	221	85	47	0.42
TX12WW	304	393	449	105	49	0.51

Acoustics Sound Power Level

		Hz								
Model No.		63	125	250	500	1K	2K	4K	8K	dBA @3m
TX6WW	Inlet - Low	38	52	47	46	43	40	31	29	33
	Inlet - Med	45	48	49	52	51	50	42	38	41
	Inlet - High	45	50	49	53	53	51	44	39	43
TX7WW	Inlet - Low	40	47	42	40	36	32	22	23	27
	Inlet - Med	44	53	54	54	48	43	36	28	37
	Inlet - High	46	54	55	55	51	48	42	34	40
TX9WW	Inlet - Low	45	58	54	51	52	45	38	32	40
	Inlet - Med	50	55	53	60	58	53	47	41	46
	Inlet - High	47	55	57	60	59	55	48	44	47
TX12WW	Inlet - Low	54	58	59	59	54	47	40	35	42
	Inlet - Med	61	64	59	60	59	53	47	41	47
	Inlet - High	62	66	62	62	62	54	48	44	49

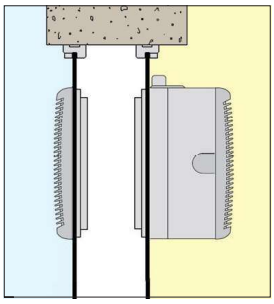
T-Series Accessories



T-Series Adaptor Kits

Used for T-Series Window models in secondary double glazing, Roof models in secondary double glazing in exposed areas, Roof models through roofs and Darkroom models installed through either roof or walls. Adaptor kits allow units to be installed on two surfaces.

T-Series Adaptor kits consist of two Mounting plates with weather-tight seals and a set of fixing screws.



Fan Code	Fan Size	Price
FAN2264	150 mm	$73.10
FAN2265	175 mm	$86.70
FAN2266	230 mm	$86.70
FAN2267	300 mm	$95.20

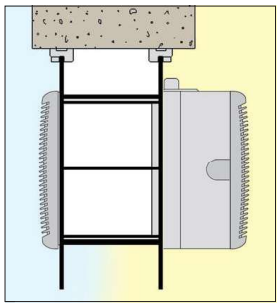


T-Series Extended Fixing Rod Sets

For use with T-Series Window and Roof models fitted through walls. Consists of a set of rods which are cut to suit the wall thickness.

Maximum thickness of wall 370mm.

Rod thread 3.5mm.



T-Series extended fixing rod set

Size (mm)	Ref of Rods
150 (6')	4
175 (7')	4
230 (9")	4
300 (12")	6

Fan Code	Fan Size	Price
FAN2268	150 mm	$45.90
FAN2268	175 mm	$45.90
FAN2268	230 mm	$45.90
FAN2269	300 mm	$68.00



Time-Air Fixed Timer

The TimeAir timer is a fixed timer that runs on between 7-12 mins depending on the length of operation.

Fan Code	Price
FAN0372	$49.30

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T-Series® Controllers



Fan Code	Price
FAN2256	$350.20

Ecotronic Controller

Surface mounting

An electronic controller for use with all T-Series Lo-Carbon and Standard models, to give extract/intake and speed variation. Where a controller is used with T-Series, 5-core flexible cord is required.

- 'E' running position for optimum efficiency.
- Finger-tip sliders.
- Infinitely variable speed control.
- Double pole On/Off switching.
- Extract/intake airflow direction.
- Neon indicator.
- Sensor mode for use with suitable
- electro-mechanical switches, eg. ThermoSwitch, HumidiSwitch to give automatic fan operation.
- Adjustable minimum speed setting.
- Knockouts for recessed wiring.
- Ambient operating temperature range 0°C to +40°C.
- Dimensions: 86 x 156 x 53mm (H x W x D).
- Supply voltage 220-240V/1/50Hz
- Maximum load: Ecotronic - 400 Watts
- Designed to meet IP20.
- BEAB Approved.
- BEAB is an electrical safety mark which means that the UK's leading, independent approvals specialists have evaluated this product to the highest European and International standards.



Fan Code	Price
FAN2257	$170.00

T-Series® Controller

Surface mounting

A single unit controller for use with all T-Series ventilating units. With knockouts for recessed wiring. Where a controller is used with T-Series, 5-core flexible cord is required.

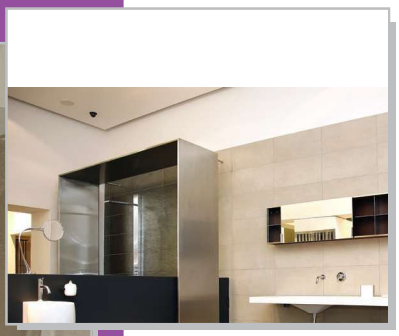
- 3-speed operation. High, medium or low.
- Finger-tip sliders.
- Double pole On/Off switching.
- Extract/intake airflow direction.
- Sensor mode for use with suitable electro-mechanical switches, eg. ThermoSwitch, HumidiSwitch to give automatic FAN operation.
- Unique shutter open, fan Off setting.
- Neon indicator on controller.
- Knockouts for recessed wiring.
- Ambient operating temperature range 0°C to +40°C.
- Dimensions: 86 x 156 x 53mm (H x W x D).
- Supply voltage 220-240V/1/50Hz
- Designed to meet IP20.
- BEAB approved. BEAB is an electrical safety mark which means that the UK's leading, independent approvals specialists have evaluated this product to the highest European and International standards.

Hygiene

Elegantly designed, powerful, yet quiet hand dryers for use in many situations where hygiene, economy, convenience and safety are prime considerations.



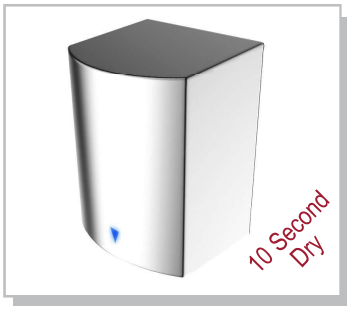




Tempest®

Designed to provide a cost effective alternative to conventional hand dryers and papertowels. These new dryers have been developed with speed in mind. They provide a rapid drying time of 10 seconds, almost half that of the competitors products, thus reducing washroom time. Tempest offers up to 70% energy saving when compared to conventional dryers.

Hand Dryers



Fan Code	Price
Tempest Satin	$1198.50

Tempest® Satin

Automatic hand dryer for heavy duty applications - 10-15 second drying time.

- Unique "blue dry zone" indicator
- Stainless steel finish
- Insulation Earthed Class 1
- 201 x 277 x 175 (WxHxD)
- Weight 6.6kg (packaged)
- Air flow 116m³/h
- Heater Element 450-900W, adjustable
- Infrared automatic operation
- 60 second auto shut off
- IPX1 rated

Model: Satin Stainless
Filter Assembly Pack
Filter Replacement 10 pack.



Fan Code	Price
Tempest	$1028.50

Tempest®

Automatic hand dryer for heavy duty applications - 10-15 second drying time.

- Unique "blue dry zone" indicator
- Cover: Steel. Finish porcelain enamel coating
- Insulation Earthed Class 1
- 201 x 277 x 175 (WxHxD)
- Weight 6.6kg (packaged)
- Air flow 116m³/h
- Heater Element 450-900W, adjustable
- Infrared automatic operation
- 60 second auto shut off
- IPX1 rated

Model: White



Fan Code	Price
Easy Dry	$255.00

Easy Dry Range

An economical ABS or Metal covered automatic dryer, designed for use in applications where good performance linked with price sensitivity is of paramount importance. S/GS Approved.

- 2500 rpm induction motor
- Insulation: Earthed Class 1.
- 275 x 225 x 160mm (H x W x D).
- Weight: 3.3kg (3.65kg packed)
- Sound levels: 54dB(A) at 1m
- Rated at 1.5kW at 240V.
- IP22 Rated.
- Supply voltage: 220-240V/1/50Hz

Model: 1.5kW ABS

Lo-Carbon Silhouette® 100 Wall/Ceiling Axial Fan



Features and Benefits

- 17mm stylish low profile grille
- **87% energy savings**
- Low Power consumption - Lower running costs
- Quiet running
- Fully opening and closing shutters - Improved insulation.
- 1 of 2 speeds selectable at installation
- High quality ball bearing motors
- Modern aesthetic with Blue Neon.
- Fan **IPX4** rated.
- 5 Year Warranty

Fan Code	Fan Size	Price
LCS100B	100 mm	$198.90
LSC100T	100 mm	$221.00

Long Life Ventilation

Vent-Axia Lo-Carbon long life motors last 5 times longer than conventional motors whilst delivering up to 87% energy savings. The extended life of Lo-Carbon fans is due to the use of a new generation of high quality ball bearing motors.

With a slim profile of only 17mm, Silhouette blends in with the wall surface to provide an unobtrusive installation. Silhouette can be ceiling or wall mounted and connected to an appropriate duct run to the outside.

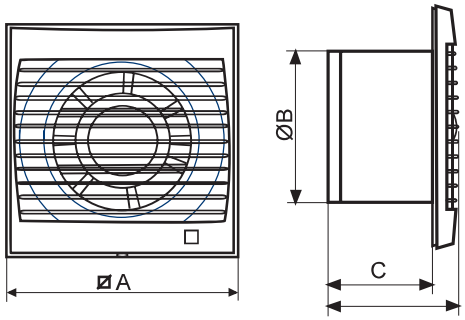
Models

Lo-Carbon Silhouette (LCS100B)

Bathroom/toilet fan with neon running light and backdraught shutter.

Lo-Carbon Silhouette Timer (LCS100T)

Bathroom/toilet fan with integral adjustable electronic overrun timer (up to 30 mins), neon running light and backdraught shutter.



Dimensions (mm)

A	BØ	C	D
160	99	105	122

Weight 0.6kg



Backdraught prevention vanes fitted on discharge

Model	Extract Performance		Watts	Sound	Max Temp	SFP (W/l/s)
	(m3/hr)	(l/s)	(W)	dB(A) @3m	°C	@0Pa
Toilet Setting						
Silhouette 100B	60	16	2	26	40	0.21
Silhouette 100LV	60	16	3.5	26	40	0.29
Bathroom Setting						
Silhouette 100B	95	26	6	32	40	0.21
Silhouette 100LV	95	26	7.5	32	40	0.29

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Lo-Carbon Silhouette® 150 Wall/Ceiling Axial Fan



Features and Benefits

- 19mm stylish low profile grille
- **60% energy savings**
- Low Power consumption - Lower running costs
- Quiet running
- Downstream airflow guide vanes for improved pressure development.
- 1 of 2 speeds selectable at installation
- High quality ball bearing motors
- Modern aesthetic with Blue Neon.
- Fan **IPX4** rated.
- 5 Year Warranty

Fan Code	Fan Size	Price
LCS150B	150 mm	$221.00
LSC150T	150 mm	$249.90

Long Life Ventilation

Vent-Axia Lo-Carbon long life motors last 5 times longer than conventional motors whilst delivering up to 60% energy savings. The extended life of Lo-Carbon fans is due to the use of a new generation of high quality ball bearing motors.

With a slim profile of only 19mm, Silhouette blends in with the wall surface to provide an unobtrusive installation. Silhouette can be ceiling or wall mounted and connected to an appropriate duct run to the outside.

Mounted in the centre of the fan, beneath the slim profile grille, are the electronics, incorporating an overrun timer option that is adjustable between 5 and 30 mins.

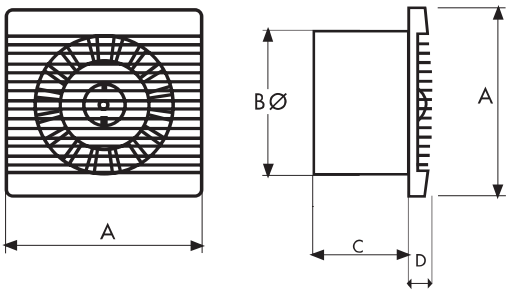
Models

Lo-Carbon Silhouette (LCS150B)

Bathroom/toilet fan with neon running light and backdraught shutter.

Lo-Carbon Silhouette Timer (LCS150T)

Bathroom/toilet fan with integral adjustable electronic overrun timer (up to 30 mins), neon which operates on the manual override only and spring backdraught shutter.



Dimensions (mm)

A	BØ	C	D
223	147	130	19

Weight 1.75kg

Model	Extract Performance		Watts	Sound	Max Temp	SFP (W/l/s)
	(m3/hr)	(l/s)	(W)	dB(A) @3m	°C	@0Pa
Utility Setting						
Silhouette 150B	165	46	5	35	40	0.15
Kitchen Setting						
Silhouette 100B	241	67	8.2	43	40	0.15

Silhouette® Slimline 100

Wall/Ceiling Axial Fan



Features and Benefits

- 17mm stylish low profile grille
- Downstream airflow guide vanes for improved pressure development.
- High quality ball bearing motors
- Modern aesthetic with Blue Neon.
- Fan IPX4 rated.
- Suitable for wall, ceiling and window mounting.

Fan Code	Fan Size	Price
S100B	100 mm	$96.90
S100T	100 mm	$130.90
S100LV	100 mm	$144.50
S100LVT	100 mm	$166.60

Slimline Bathroom Ventilation

With a slim profile of only 17mm, Silhouette blends in with the wall surface to provide an unobtrusive installation. Silhouette can be ceiling or wall mounted and connected to an appropriate duct run to the outside.

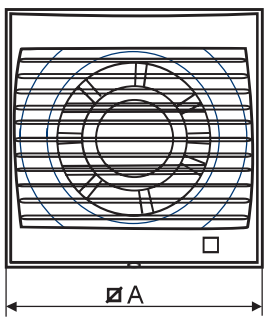
Models

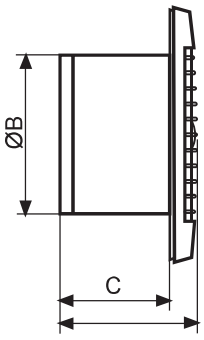
Silhouette (S100B): Single speed bathroom/toilet fan with neon running light and backdraught shutter.

Silhouette Timer (S100T): Single speed bathroom/toilet fan with integral adjustable electronic overrun timer (up to 30 mins), neon running light and backdraught shutter.

Silhouette SELV (S100LV): Single speed Safety Low Voltage (IPX7) bathroom/toilet fan with neon running light and backdraught shutter.

Silhouette SELV Timer (S100LVT): Single speed Safety Low Voltage (IPX7) bathroom/toilet fan with integral adjustable electronic overrun timer (up to 30 mins), neon running light and backdraught shutter.





Dimensions (mm)

A	BØ	C	D
160	99	105	122

Weight 0.6 kg



Backdraught prevention vanes fitted on discharge

Model	Extract Performance		Watts	Sound	Max Temp
	(m3/hr)	(l/s)	(W)	dB(A) @3m	°C
Silhouette 100B	95	26	16	37	40
Silhouette 100LV	95	26	16	37	40

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Silhouette® Slimline 150 Wall/Ceiling Axial Fan



Features and Benefits

- Stylish low profile grille
- Downstream airflow guide vanes for improved pressure development.
- High quality ball bearing motors
- Modern aesthetic with Blue Neon.
- Fan IPX4 rated.
- Suitable for wall, ceiling and window mounting.
- 5 Year Warranty

Fan Code	Fan Size	Price
S150B	150 mm	$170.00
S150T	150 mm	$197.20

Slimline Bathroom Ventilation

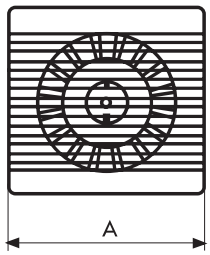
The Silhouette range is designed for modern living. With a profile of only 19mm on the 150mm models, Silhouette blends in with the wall surface to provide an unobtrusive installation. Silhouette can be ceiling or wall mounted and connected to an appropriate duct run to the outside.

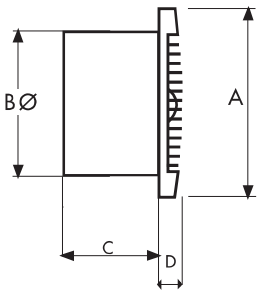
Mounted in the centre of the fan, beneath the slim profile grille, are the electronics, incorporating an overrun timer option that is adjustable between 5 and 30 mins.

Models

Silhouette (S150B)
Single speed bathroom/toilet fan with neon running light and backdraught shutter.

Silhouette Timer (S150T)
Single speed 150mm kitchen fan with integral adjustable electronic overrun timer (up to 30 mins), neon running light and electric backdraught shutter.





Dimensions (mm)

A	BØ	C	D
223	147	111	19

Weight 1.75 kg



Backdraught prevention vanes fitted on discharge

Model	Extract Performance		Watts	Sound	Max Temp
	(m3/hr)	(l/s)	(W)	dB(A) @3m	°C
Silhouette 150B	241	67	20	43	40
Silhouette 150T	241	67	20	43	40

Notes

Accessories

Fan Accessories.....pg.184-185

Tapes & Straping.....pg.186

Insulation Products.....pg.186

Electrical Connections.....pg.189

Pressure Pipe Fittings.....pg.187-188

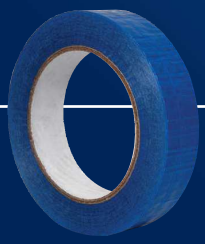
Filters.....pg.189

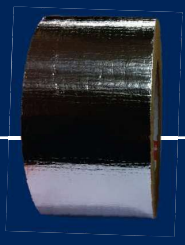
Brackets.....pg.190

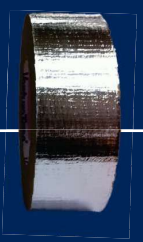
Condensor Blocks & Anti-Vibration Products.....pg.191

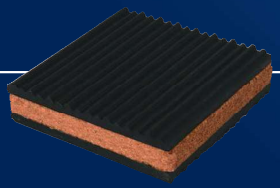
Miscellaneous.....pg.192











Back Draft Dampers

Product Code	Nom. Neck Dia. Metric	Nom. Neck Dia. Imperial	Price
BDD4	100	4	$18.70
BDD5	125	5	$22.10
BDD6	150	6	$27.20
BDD8	200	8	$40.80
BDD10	250	10	$49.30
BDD315	315	N/A	$54.40



Semi Rigid Aluminium Duct

Product Code	Description	Price
AD4	100mm x 3 metres Semi Rigid Aluminium Duct	$30.60
AD5	125mm x 3 metres Semi Rigid Aluminium Duct	$34.00
AD6	150mm x 3 metres Semi Rigid Aluminium Duct	$37.40



Roof Cowl Aluminium

Product Code	Description	Price
RCM	Roof Cowl - Aluminium Finish	$57.80
RCP	Roof Cowl - Black Powder Coat Finish	$57.80

Available in plain alluminium or powdercoated black.



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Sonex Circular Sound Attenuators

Features and Benefits

- Low cost – exceptional performance, ex-stock availability.
- Sheet steel casing and end plates. 30 minute fire rating as standard.
- Fitted spigot for direct connection to circular ductwork.

Application Data

The effective and economic solution for sound attenuation in circular duct systems.

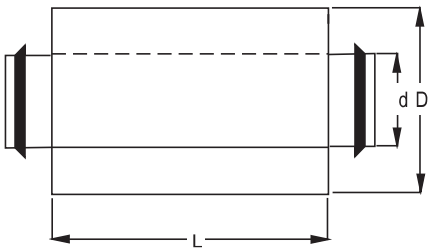
Sonex Attenuators are fitted with a patented duct seal which enables leak free 'plug-in' connection to rigid ductwork with consequent savings of installation costs. The excellent attenuation characteristics of the Sonex range are achieved without imposing undue system resistance. Pressure losses are little more than those which would occur over a comparable section of straight duct.

Construction

The attenuator consists of a perforated tubular liner manufactured from sheet steel. The liner is enclosed by a thick layer of mineral wool sound absorbing material. Casing and end plates are formed from galvanised sheet steel. Standard models have a 30 minute fire rating (60 minutes also available).

Dimensions, Weights & Insertion Loss

Size	Attenuation dB mid Frequency Hz								Dimensions (mm)			
	63	125	250	500	1K	2K	4K	8k	dØ	DØ	L	kg.
150	5	7	12	24	30	35	31	20	150	260	600	5.8
200	4	6	10	20	27	33	19	17	200	300	600	7
250	4	5	10	19	25	29	18	17	250	355	600	8.6
315	4	5	8	15	20	22	17	15	315	400	600	9.8

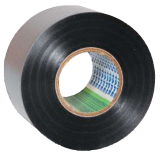


Fan Code	Length	Metric Size	Price
DCT2090	600 mm	150 mm	POA
	600 mm	200 mm	POA
	600 mm	250 mm	POA
	600 mm	315 mm	POA

Tapes & Straping

Duct Tape (Nitto)

Product Code	Description	Pieces/Carton	Price
NITTO	0.13 mm x 48 mm x 30 mm Silver	60	$2.89



Perforated Strap

Product Code	Description	Pieces/Carton	Price
PS	Perforated Strap 15m Long x 23mm Wide	10	$9.69



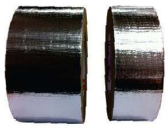
Blue Strap

Product Code	Description	Pieces/Carton	Price
BS	Blue Strap	48	$2.38



Reinforced Foil Tapes

Product Code	Description	Pieces/ Carton	Price
RFT50	Reinforced Foil Tape 50mm x 50M	24	$14.87
RFT75	Reinforced Foil Tape 75mm x 50M	16	$20.40



Insulation Products

Polyethalene Insulation

Product Code	Description	Price M^2
POLYETH5MM	Polyethalene Insulation 5mm	$13.60
POLYETH10MM	Polyethalene Insulation 10mm	$23.80



Pressure Pipe Fittings

Product Code	Description	Price
15ACR	15mm AC&R Pipe (4m Length)	$4.93
20ACR	20mm AC&R Pipe (4m Length)	$7.65
25ACR	25mm AC&R Pipe (4m Length)	$10.03



Product Code	Description	Price
SAS05	15mm 45 deg.PVC Elbow [slip] CAT10	$0.88
SAS07	20mm 45 deg PVC Elbow [slip] CAT10	$1.90
SAS10	25mm 45 deg PVC Elbow [slip] CAT10	$2.24
SAS12	32mm 45 deg. PVC Elbow [slip] CAT10	$3.60



Product Code	Description	Price
SBU05	15mm PVC Barrel Union CAT 22	$5.98
SBU07	20mm PVC Barrel Union CAT 22	$6.32
SBU10	25mm PVC Barrel Union CAT 22	$6.73
SBU12	32mm PVC Barrel Union CAT 22	POA



Product Code	Description	Price
SCS05	15mm PVC Coupling [slip] CAT7	$0.37
SCS07	20mm PVC Coupling [slip] CAT7	$0.61
SCS10	25mm PVC Coupling [slip] CAT7	$1.19
SCS12	32mm PVC Coupling [slip] CAT7	$1.87



Product Code	Description	Price
SFT05	15mm PVC Female Adapter CAT 18	$0.74
SFT07	20mm PVC Female Adapter CAT 18	$1.02
SFT10	25mm PVC Female Adapter CAT 18	$1.29
SFT12	32mm PVC Female Adapter CAT 18	POA



Product Code	Description	Price
SLS05	15mm 90 deg PVC Elbow [slip] CAT13	$0.68
SLS07	20mm 90 deg PVC Elbow [slip] CAT13	$0.95
SLS10	25mm 90 deg PVC Elbow [slip] CAT13	$1.49
SLS12	32mm 90 deg PVC Elbow [slip] CAT13	$2.99



Product Code	Description	Price
SMT05	15mm PVC Male Adapter [mpt] CAT 17	$0.74
SMT07	20mm PVC Male Adapter [mpt] CAT 17	$0.81
SMT10	25mm PVC Male Adapter [mpt] CAT 17	$1.15
SMT12	32mm PVC Male Adapter [mpt] CAT 17	POA



Pressure Pipe Fittings

Product Code	Description	Price
SRS0750	20x15mm PVC Reducer Socket CAT8	$1.05
SRS1005	25x15mm PVC Reducer Socket CAT8	$1.49
SRS1007	25x20mm PVC Reducer Socket CAT8	$2.17
SRS1210	32x25mm PVC Reducer Socket CAT8	$3.74



Product Code	Description	Price
STS05	15mm PVC Tee [slip] CAT13	$0.88
STS07	20mm PVC Tee [slip] CAT13	$1.12
STS10	25mm PVC Tee [slip] CAT13	$2.24
STS12	32mm PVC Tee [slip] CAT13	$3.74



Product Code	Description	Price
PPS084	15mm (1/2) Pressure Pipe Saddle (100/Box)	$44.20
PPS106	20mm (3/4) Pressure Pipe Saddle (100/Box)	$45.56
PPS143	25mm (1) Pressure Pipe Saddle (100/Box)	$48.96
PPS168	32mm Pressure Pipe Saddle (100/Box)	$59.84



Product Code	Description	Price
ZPP075	15mm Pressure Pipe Half Saddle Z/P (100/Box)	$18.70
ZPP100	20mm Pressure Pipe Half Saddle Z/P (100/Box)	$22.10
ZPP125	25mm Pressure Pipe Half Saddle Z/P (100/Box)	$84.15



Product Code	Description	Price
PCH084	15mm Press Pipe Clip Head	$3.53
PCH106	20NB Press Pipe Clip Head	$3.74
PCH134	25NB Press Pipe Clip Head	$3.74
PCH168	32NB Press Pipe Clip Head	POA



Product Code	Description	Price
SOTG	Stand Off Tee	$0.85



Product Code	Description	Price
EZT113	20mm Ezy Clear Cross Trap	$27.20



Filters

Filters (11 mm Thick)

Product Code	Perimeter	Price
FILTER800	0 - 800	$15.30
FILTER1800	801 – 1800	$27.20
FILTER2400	1801 – 2400	$35.70
FILTER3440	2401 – 3440	$44.20



Filter Media

Product Code	Description	Per m2	Price
FM	Filter Media	1	$11.90
FMR	FIlter Media - 2.1 x 40m (roll)	84	$782.00



Electrical Connections

P-Traps

Product Code	Description	Price
PT20	P-Trap 20mm	$2.04
PT25	P-Trap 25mm	$3.74



Drain Connectors

Product Code	Description	Price
DC20	20mm Drain Connector	$1.61
DC25	25mm Drain Connector	$1.70



Drain Kit

Product Code	Description	Price
DK20	8 Piece Drain Kit consisting of:- 2 x Elbows, 2 x Saddles, 2 x Clamps, 1 x Clear Tube & 1 x P-Trap	$12.24



Orange Pump Kit

Product Code	Price
OPK	$336.60



Brackets

Braced Cantilever Brackets

Product Code	Description	Pieces	Price
BCB320	320mm Braced cantilever brkt - galv	PAIR	$42.50
BCB470	470mm Braced cantilever brkt - galv	PAIR	$51.00
BCB635	635mm Braced cantilever brkt - galv	PAIR	$57.80
BCB780	780mm Braced cantilever brkt - galv	PAIR	$64.60
Complete with spring securing bolts			



Galvanised Slotted Angle (to suit Cantilever bracket)

Product Code	Description	Price ea.
SA2525	Slotted angle - 25mm x 25mm x 3mm x 3m Zn	$23.80
SA3030	Slotted angle - 30mm x 30mm x 2.5mm x 3m (11 x 18 hole)	$25.50
SA5050	Slotted angle - 50mm x 50mm x 4.5mm x 3m (14 x 30 hole)	$52.70

Powder Coated Brackets

Product Code	Description	Max. kg	Sets/Carton	Price
B460	460mm Long P/Coat Bracket	85	10	$22.95
B460CB	460mm Long P/Coat Bracket c/w Cross Bar	85	6	$28.90
B560	560mm Long P/Coat Bracket	120	4	$28.90
B560CB	560mm Long P/Coat Bracket c/w Cross Bar	120	4	$34.85



Stainless Steel Brackets 201G

Product Code	Description	Max. kg	Sets/Carton	Price
SSB460	460mm Long S/Steel Bracket	85	10	$42.50
SSB460CB	460mm Long S/Steel Bracket c/w Cross Bar	85	8	$50.15
SSB560	560mm Long S/Steel Bracket	120	6	$57.80
SSB560CB	560mm Long S/Steel Bracket c/w Cross Bar	120	4	$73.95



Roof Brackets

Product Code	Description	Max. kg	Sets/Carton	Price
RB560	560mm Long P/Coat Roof Bracket	150	4	$49.30
SSRB560	560mm Long Stainless Steel Roof Bracket	150	1	$147.47



Please note: All brackets are for general purpose only and not recommended for installation in coastal areas.

Special brackets for coastal areas are available on request.

Condensor Blocks & Anti-Vibration Products

Waffle Pad

Product Code	Description	Pieces/Carton	Price ea.
WP1818	Waffle Pad 450 x 450	10	$13.60



Waffle Pad

Product Code	Description	Pieces/Carton	Price ea.
WP404	Waffle Pad 1000 x 100	30	$11.90



Cork Waffle Pad

Product Code	Description	Price ea.
CWP44	Cork Waffle Pad 100 x 100	$10.20



Rubber Condensor Stand

Product Code	Description	Sets/Carton	Price
RCS	Rubber Condensor Stand (Pack Of 4) Height 75mm	20	$12.75



Adjustable Condensor Stand

Product Code	Description	Price
ACS	Adjustable Condensor Stand (Pack of 4)	$20.40



Condensor Block

Product Code	Description	Pieces/ Carton	Price
CB450	Moulded Condensor Block 450mm c/w End Caps and AV Mounts (Set of 2)	6	$22.95



Plastic Slabs

Product Code	Size Metric	Price
PCS	850 x 430	$30.34



Universal Air Conditioner Remote Control

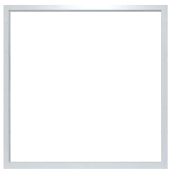
Product Code	Pieces/Carton	Price
UACRC	1	$37.40



Plaster Board Frames

Product Code	Internal Size Metric	Pieces/Carton	Cut out size (mm)	Price
PBF450	450 x 450	10	470	$25.50
PBF595	595 x 595	10	610	$30.60

* Aluminium Powder Coated White as standard



Long Spring

Product Code	Description	Price
LSPRING	Long Fixing Spring 135mm	$1.95



Rapid Kits

Product Code	Description	Price
RAPIDKIT	Rapid Kit	$2.21
LRAPIDKIT	Long Rapid Kit	$3.23





Trunking

Product Code	Description	Price
TRUNK	2400 Long various colours available	$36.55



Volume Control Blade

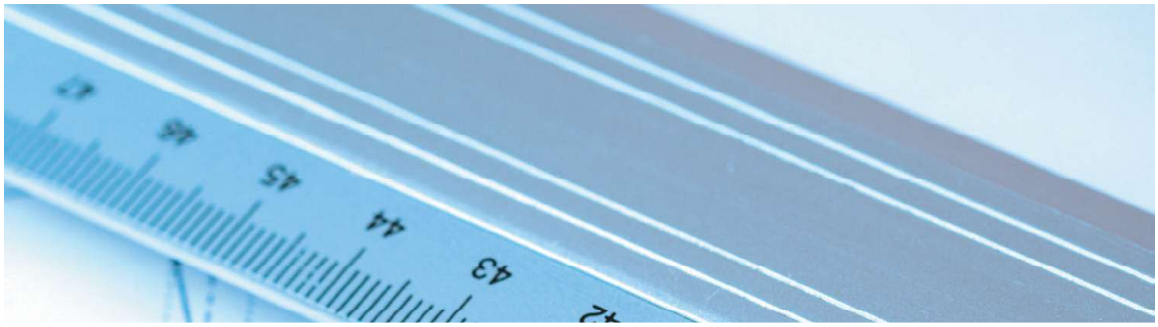
Product Code	Description	Price
VCB	Volume Control Blade 100 mm - 450 mm Diameter	$10.03



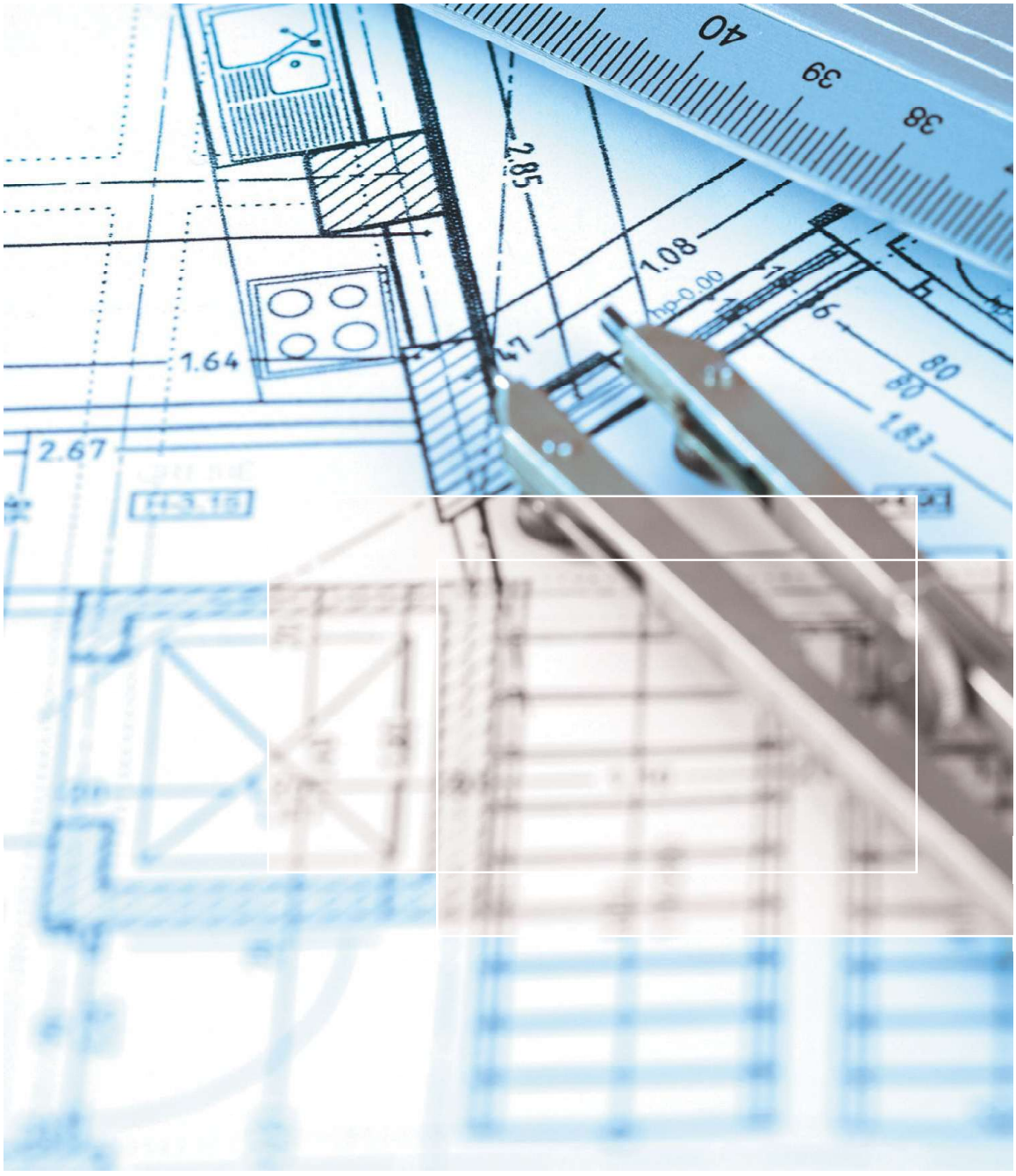
Butterfly Damper

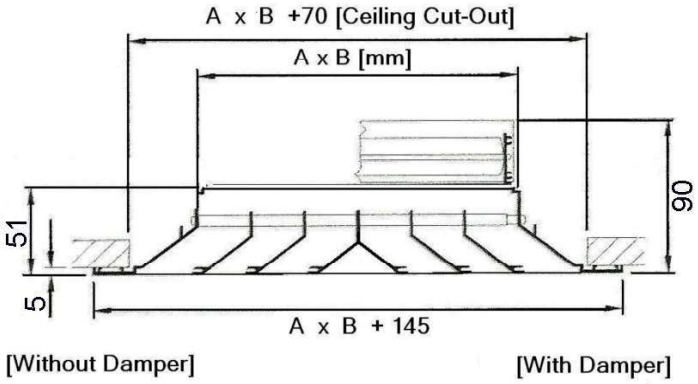
Product Code	Description	Price
BFD	Butterfly Damper 100-450 Dia	$6.97

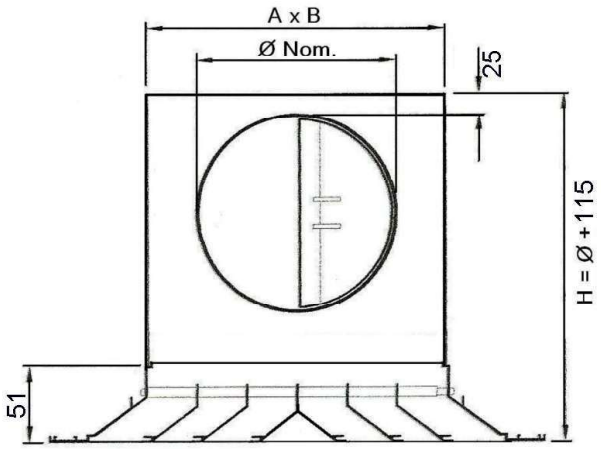


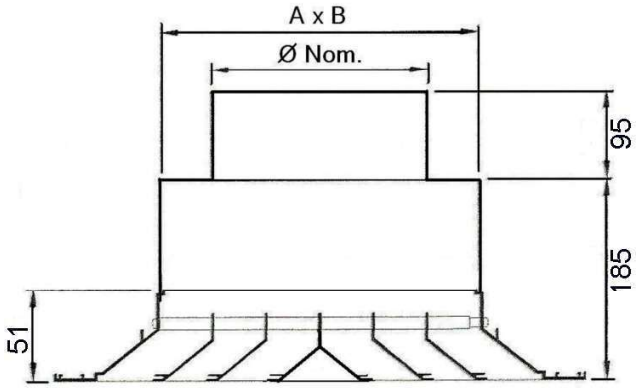


Dimensional Drawings | Standard Range



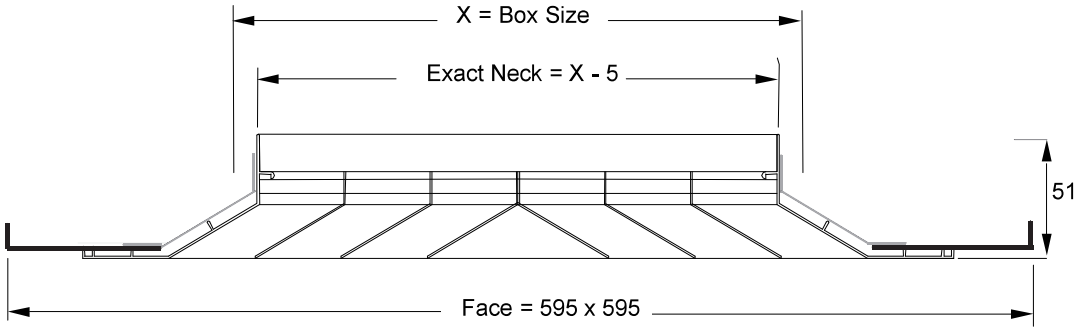






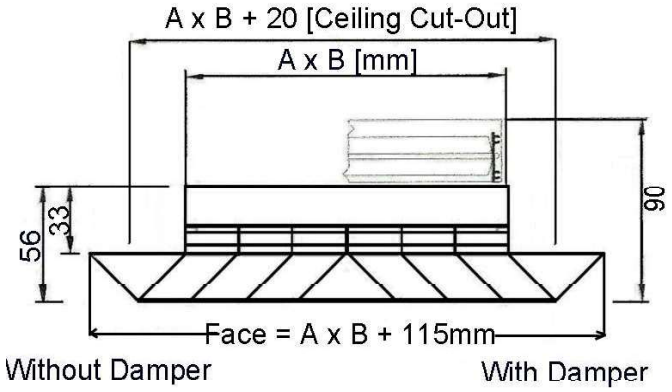
LD, XLD & SD Flush Face Diffusers

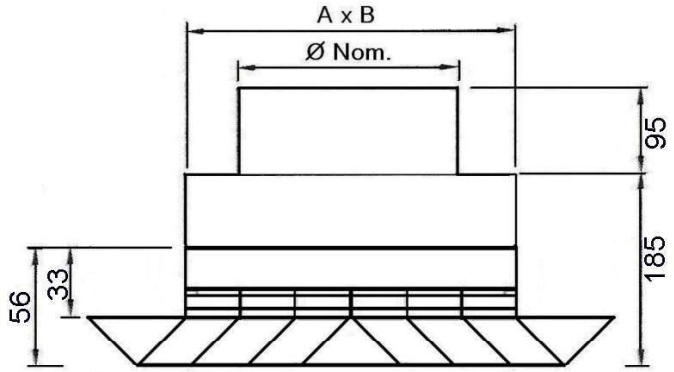
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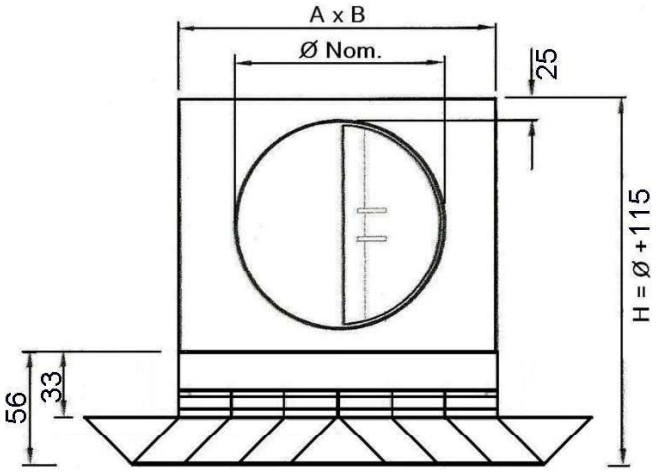


PLQ Plaque Diffuser

Scale: N.T.S.

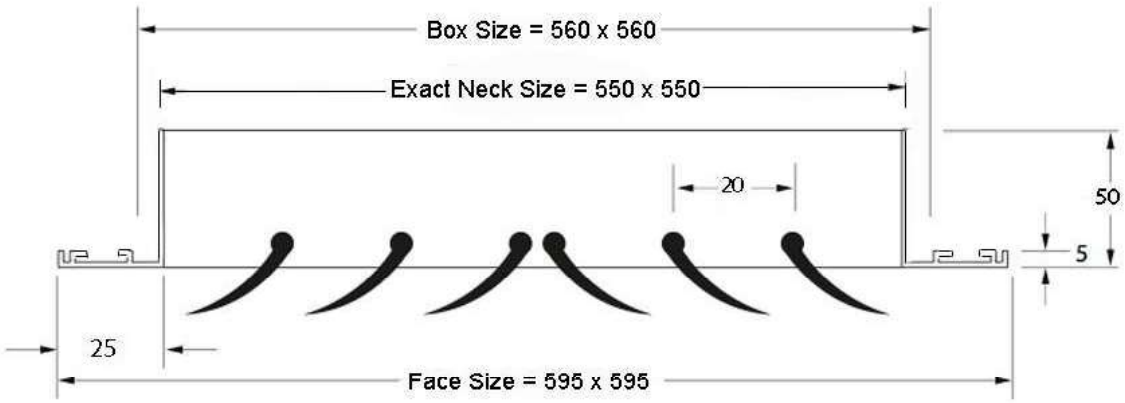






BED Bevelled Edge Diffusers

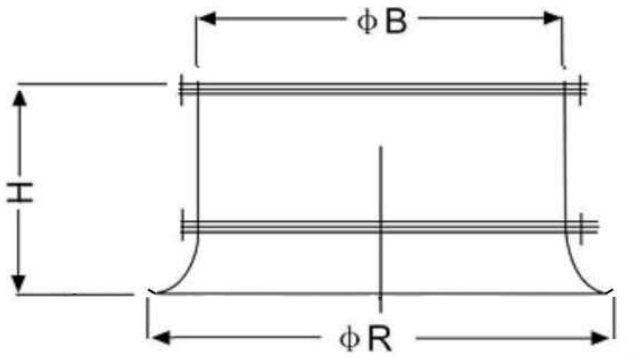
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CBD2OPP595F Curved Blade 2 - Way Opposite Blow Diffuser

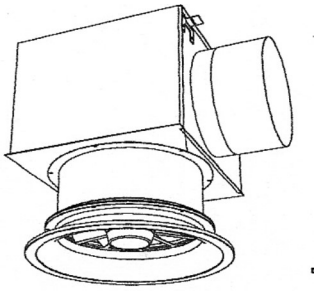
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Dimensional Drawings Standard Range

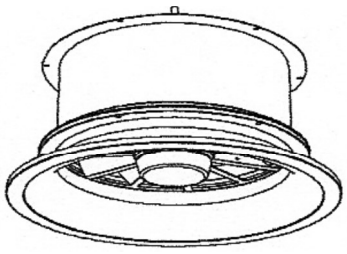


Product Code	ØBmm	ØRmm	H mm
HVSD10	250	375	183
HVSD12	300	448	203
HVSD315	315	476	210
HVSD14	350	514	225
HVSD16	400	578	238

Plenum Box Fixture

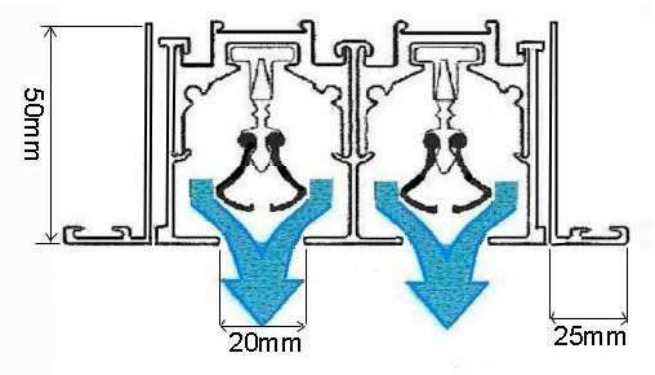


Flanged for Duct Fixture



HVSD High Volume Swirl Diffuser

Scale: N.T.S.

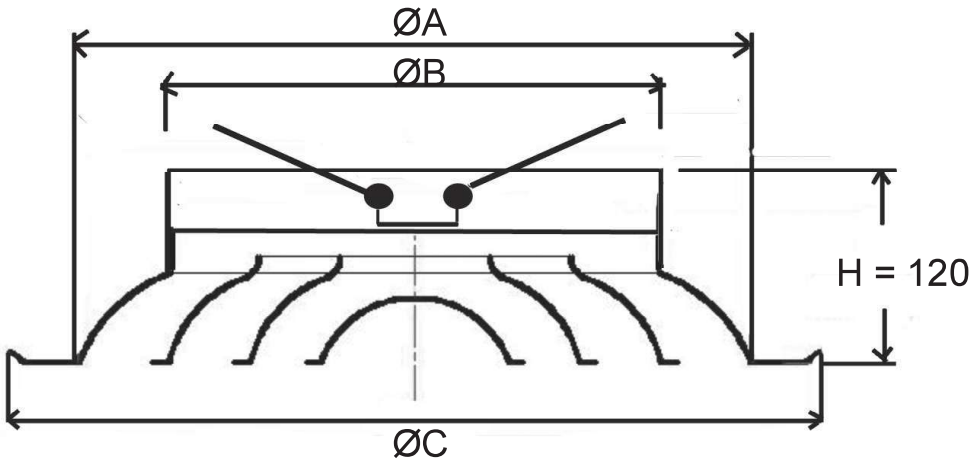


Product Code	Nom. Neck Metric	Slot	Slot Width (mm)	Exact Neck Metric	Face Size Metric
RCLS600	600	2	20	590 x 97	638 x 145
RCLS900	900	2	20	890 x 97	938 x 145
RCLS1000	1000	2	20	990 x 97	1038 x 145
RCLS1200	1200	2	20	1190 x 97	1238 x 145
RCLS595F	555	2	20	547 x 97	595 x 145
RCLS1195F	1155	2	20	1147 x 97	1195 x 145
RCLS31195F3S	1155	3	20	1147 x 137	1195 x 185

RCLS Removable Core (20mm) 2 Slot Linear Diffuser

Scale: N.T.S.

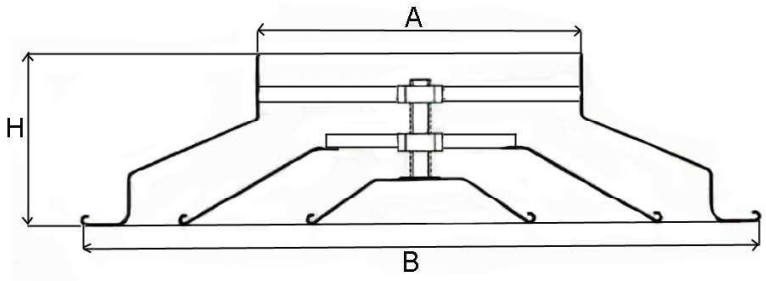
Dimensional Drawings Standard Range

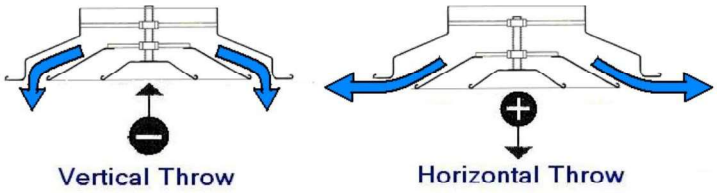


Exact Neck Size Metric ØB	Nom. Neck Size Imperial ØB	Face Size Metric ØC	Cut Out Size Metric ØA
150	6	300	250
200	8	350	300
250	10	400	350
300	12	450	400
350	14	490	450

RCD Round Aluminium Ceiling Diffuser c/w Collar & Butterfly Damper

Scale: N.T.S.



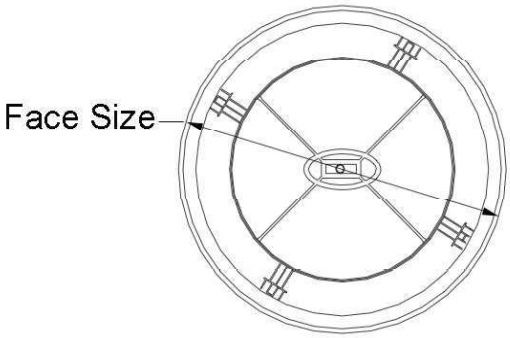


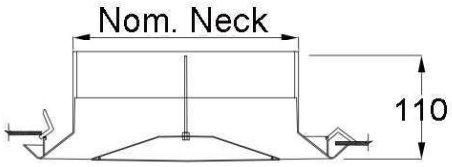
Exact Neck Size Metric A mm	Face Size Metric B mm	Height Metric H mm
150	335	105
200	423	118
250	517	130
300	640	146
350	730	185

HCD High Ceiling Round Aluminium Diffuser

Scale: N.T.S.

Dimensional Drawings Standard Range

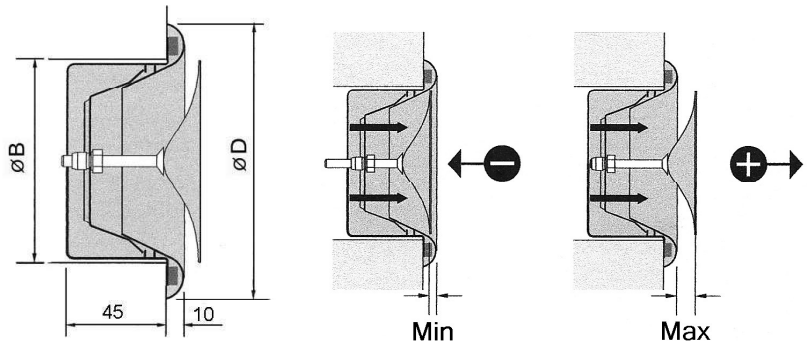




Product Code	Nom. Neck Metric	Nom. Neck Imperial	Face Size Metric	Cut Out Size
RND6	150	6	255	235
RND8	200	8	320	285
RND10	250	10	390	355
RND12	300	12	435	410

RND & IRND Round Diffuser (ABS)

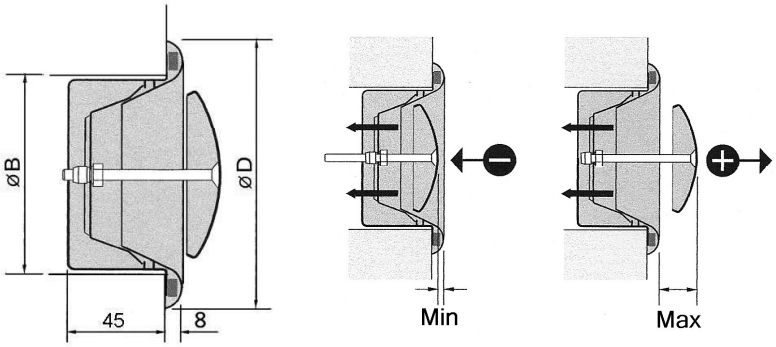
Scale: N.T.S.



Exact Neck Metric - ØB	Nom. Neck Imperial	Face Size Metric - ØD
100	4	140
125	5	165
150	6	200
200	8	250

MVS Supply Metal Valves

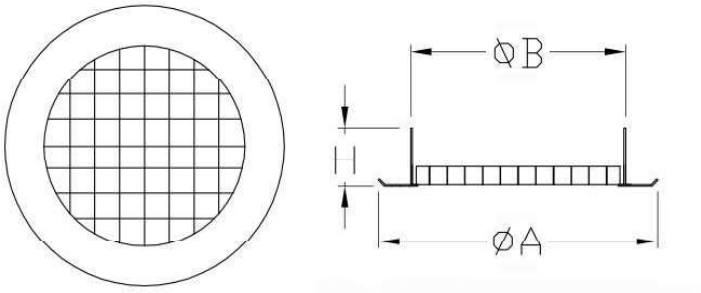
Scale: N.T.S.



Exact Neck Metric - ØB	Nom. Neck Imperial	Face Size Metric - ØD
100	4	140
125	5	165
150	6	200
200	8	250

MVE Exhaust Metal Valves

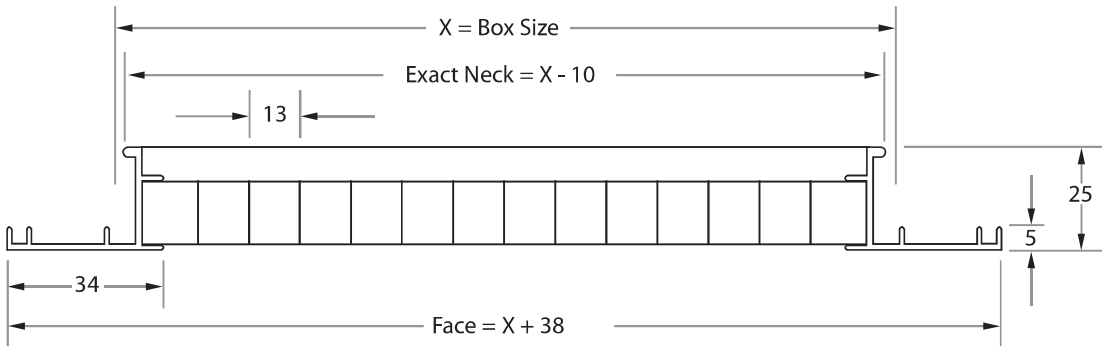
Scale: N.T.S.



Nom. Neck Metric ØB	Nom. Neck Imperial ØB	Face Size Metric ØA	Height Metric H
150	6	205	40
200	8	255	40
250	10	305	40
300	12	355	40

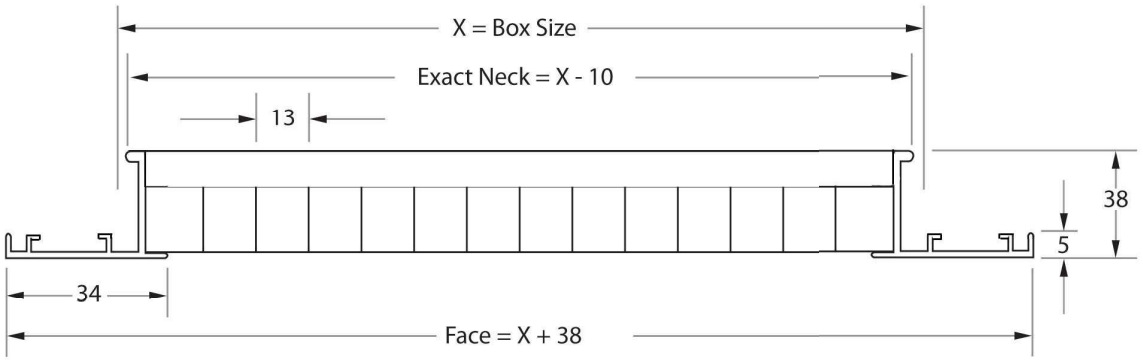
EGR Round Aluminium Eggcrate Grille

Scale: N.T.S.



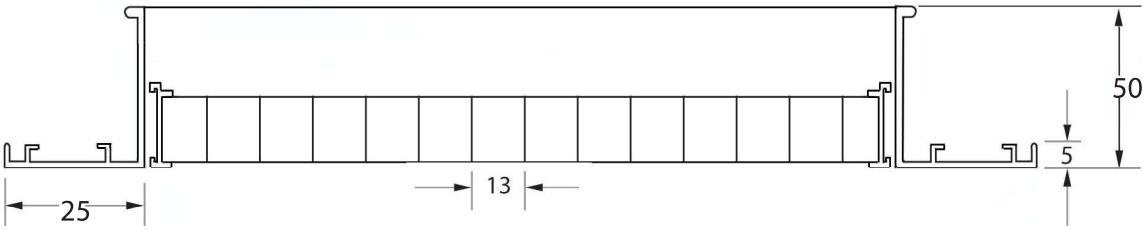
EG Fixed Core Eggcrate Grille

Scale: N.T.S.



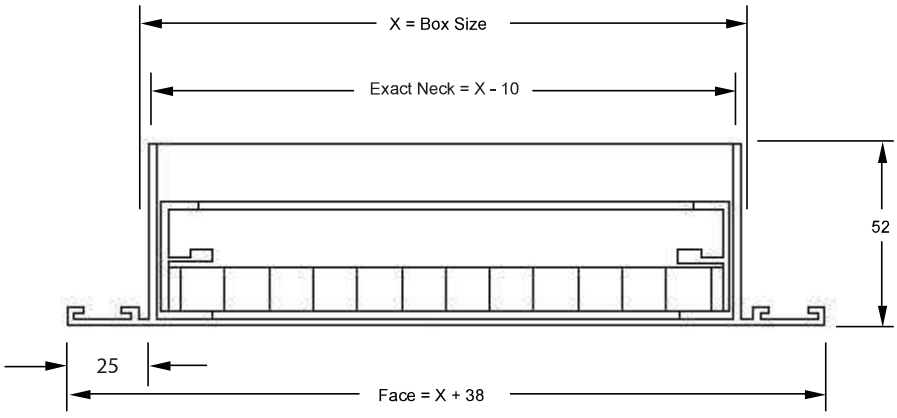
LCEG Loose Core Eggcrate Grille

Scale: N.T.S.



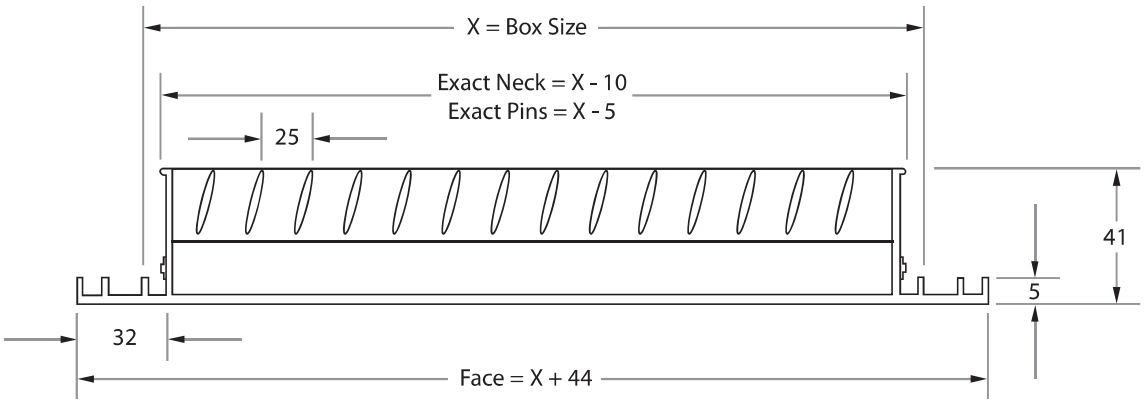
RCEG Removable Core Eggcrate Grille

Scale: N.T.S.



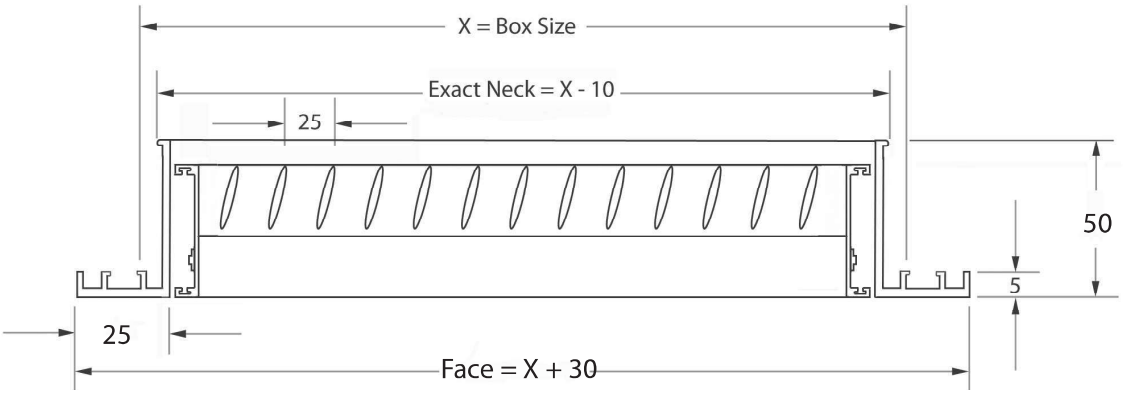
HERAG Hinged Return Air Grille c/w Filter

Scale: N.T.S.



DDR Fixed Core Double Deflection Register

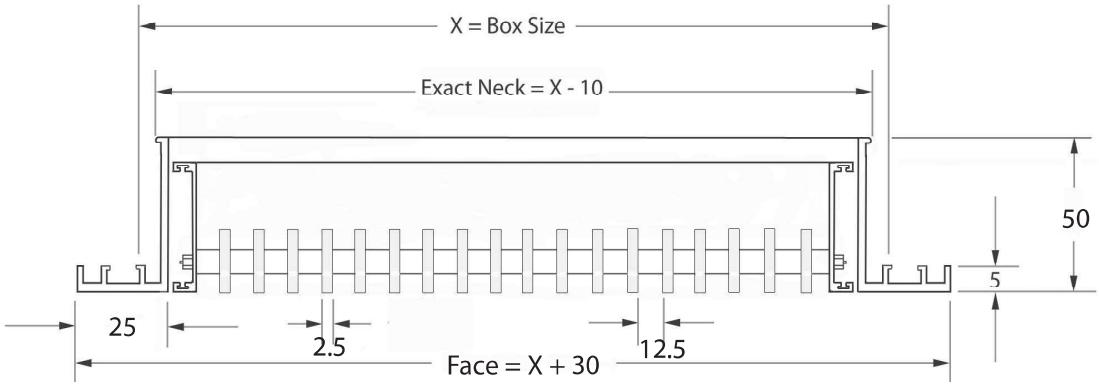
Scale: N.T.S.



RCDDR Removable Core Double Deflection Register

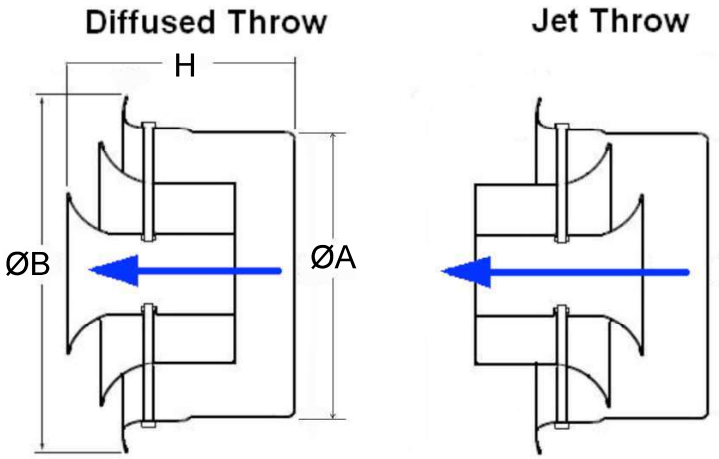
Scale: N.T.S.

Dimensional Drawings Standard Range



RCBG Removable Core Bar Grille

Scale: N.T.S.

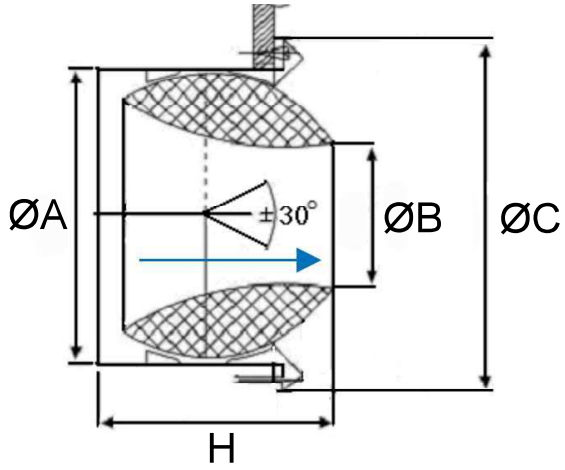


Exact Neck Metric ØA	Nom. Neck Imperial ØA	Height Metric H	Face Size Metric ØB
200	8	165	266
250	10	165	322
300	12	180	365
350	14	220	425
400	16	210	470

JDF Jet Diffuser Flanged

Scale: N.T.S.

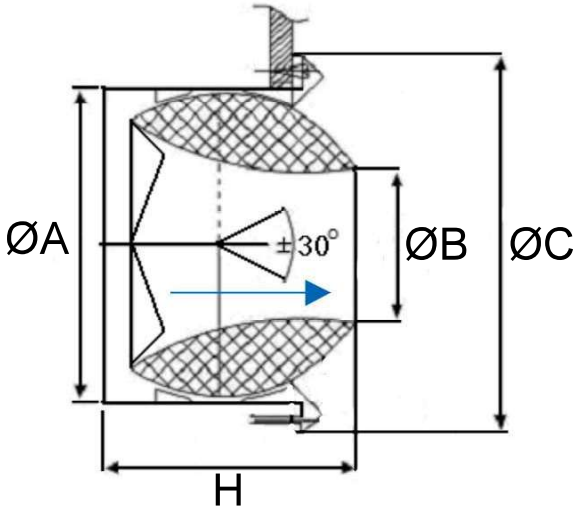
Dimensional Drawings Standard Range



Exact Neck Metric ØA	Face Opening ØB	Face Size Metric ØC	Height Metric H
147	75	200	113
197	105	266	133
247	128	315	185
312	165	395	230
347	185	433	251
397	210	495	285
497	256	618	350
627	323	779	400

JN Jet Nozzle

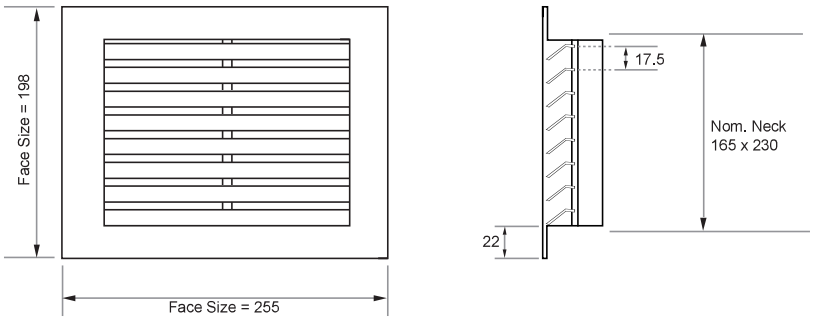
Scale: N.T.S.



Exact Neck Metric ØA	Face Opening ØB	Face Size Metric ØC	Height Metric H
147	75	200	113
197	105	266	133
247	128	315	185
312	165	395	230

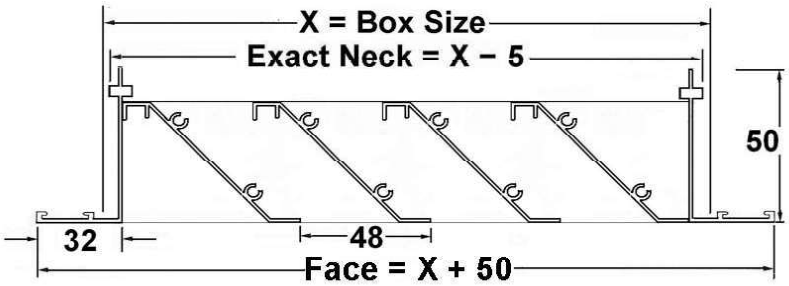
SJ Swirl Jet

Scale: N.T.S.



HC Half Chevron

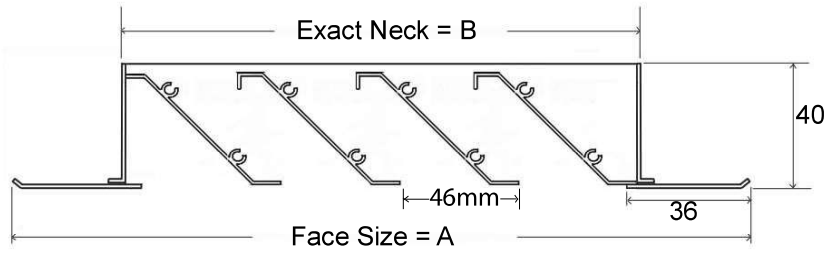
Scale: N.T.S.



WPL Weatherproof Louvre

Scale: N.T.S.

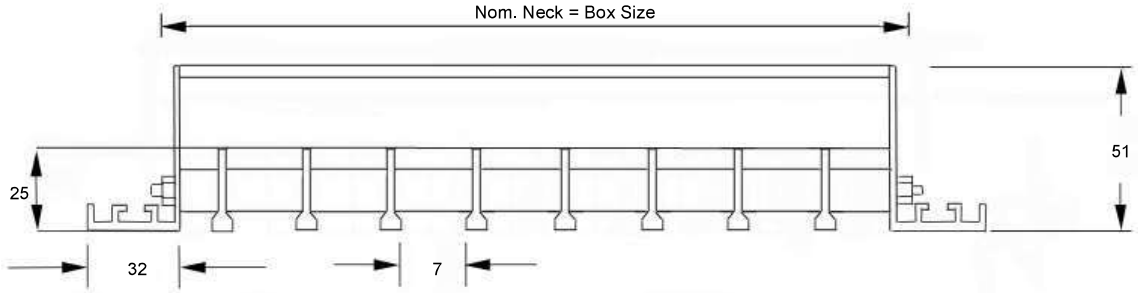
Dimensional Drawings Standard Range



Nom. Neck Diameter Metric	Nom. Neck Diameter Imperial	Face Dia. Metric A	Exact Neck Dia. Metric B
150	6	200	140
200	8	250	190
250	10	300	240
300	12	350	290
350	14	400	340
400	16	450	390

RWPL Round Weather Proof Louvre

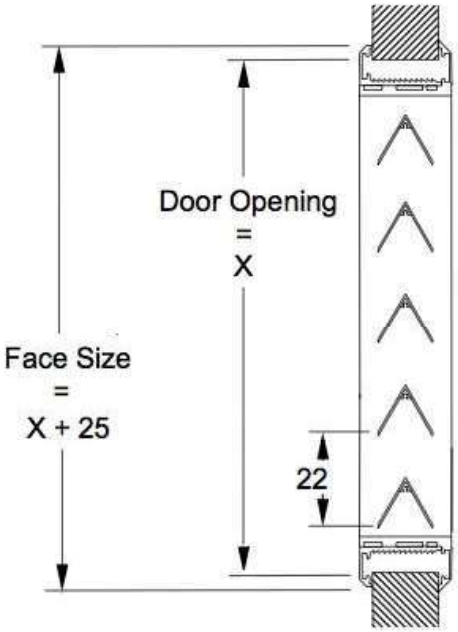
Scale: N.T.S.



Product Code	Nom. Neck Metric	Nom. Neck Imperial	Face Size Metric
FG124N	300 x 100	12 x 4	352 x 160
FG124B	300 x 100	12 x 4	352 x 160
FG126N	300 x 150	12 x 6	352 x 210
FG126B	300 x 150	12 x 6	352 x 210
FG146N	350 x 150	14 x 6	402 x 210
FG146B	350 x 150	14 x 6	402 x 210
FG166N	400 x 150	16 x 6	452 x 210
FG166B	400 x 150	16 x 6	452 x 210
N = Natural Anodised, B = Beige			

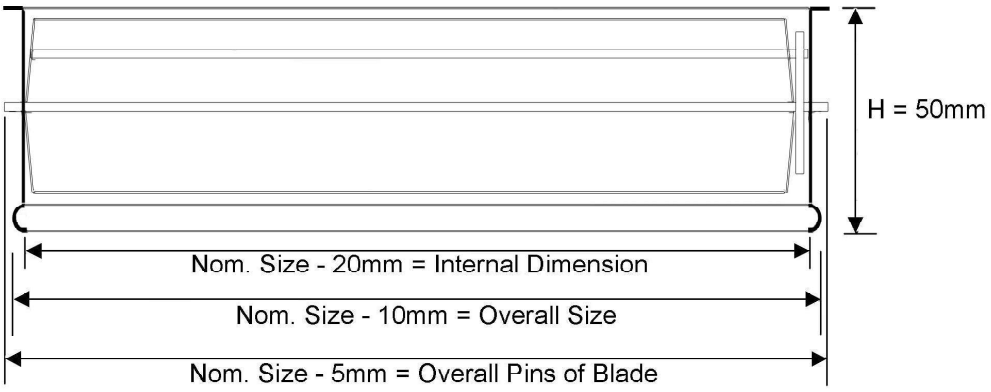
FG Floor Grille

Scale: N.T.S.



DG Door Grille

Scale: N.T.S.



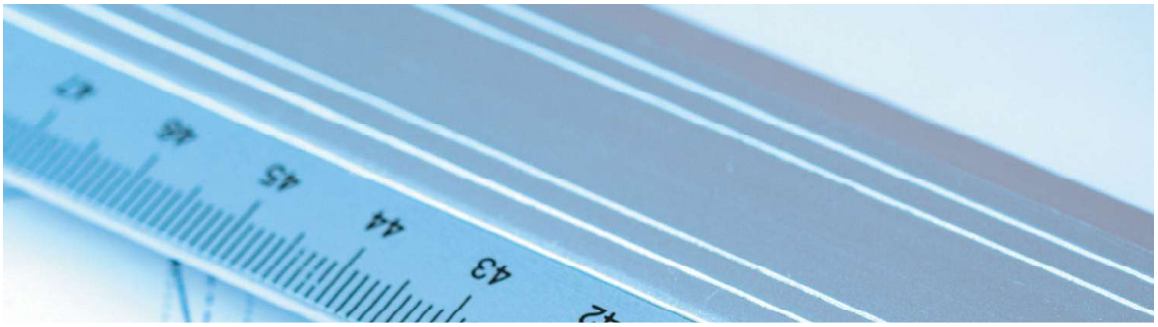
Example: OBD 300 x 300 = 280 x 280 Internal Dimension

290 x 290 Overall Size

295 x 295 Overall Pins of Blade

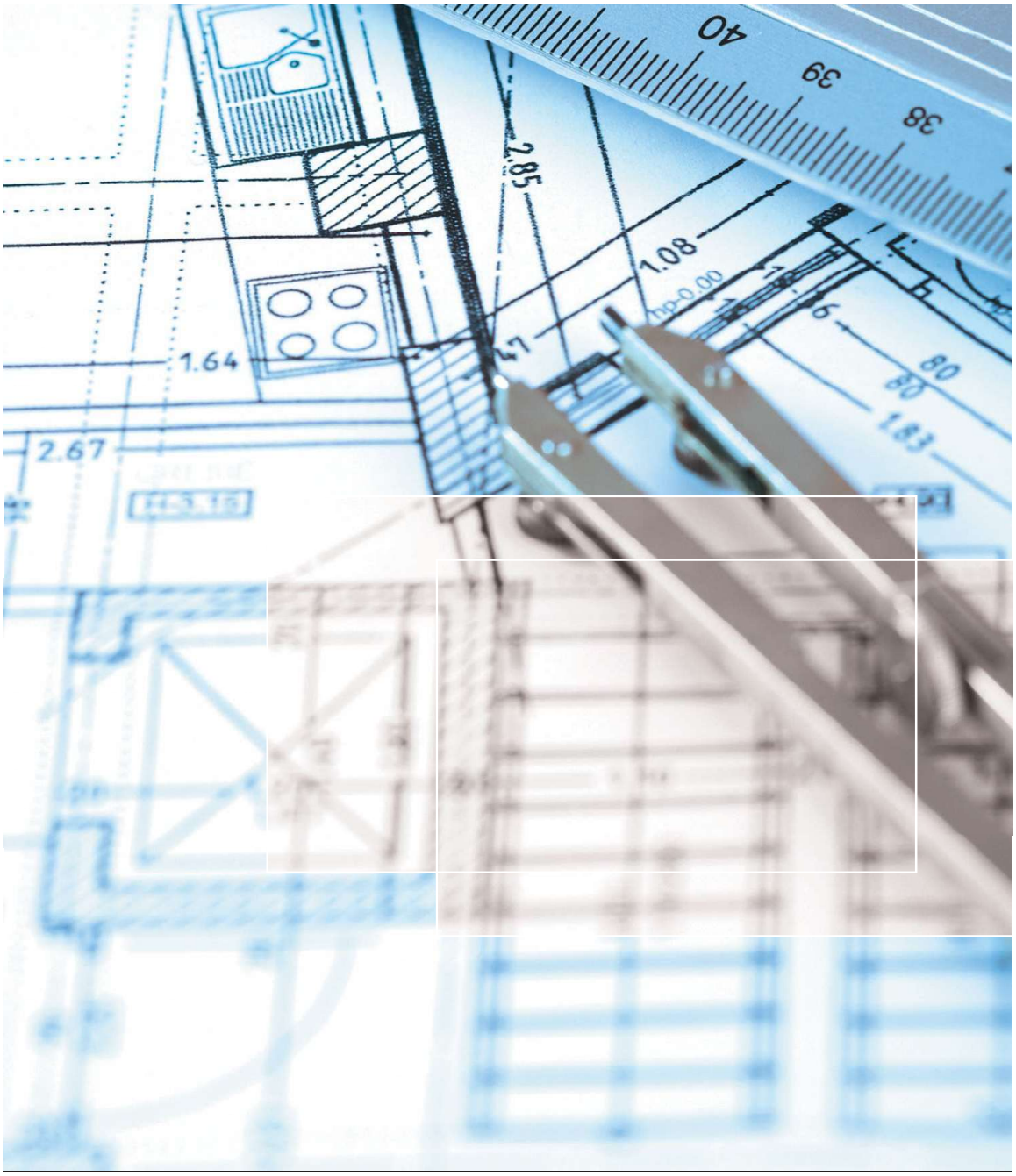
OBD Opposed Blade Damper

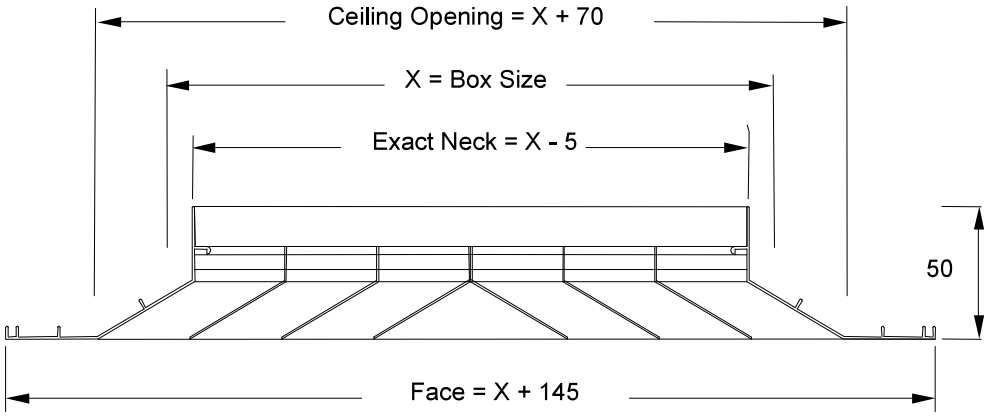
Scale: N.T.S.



Dimensional Drawings

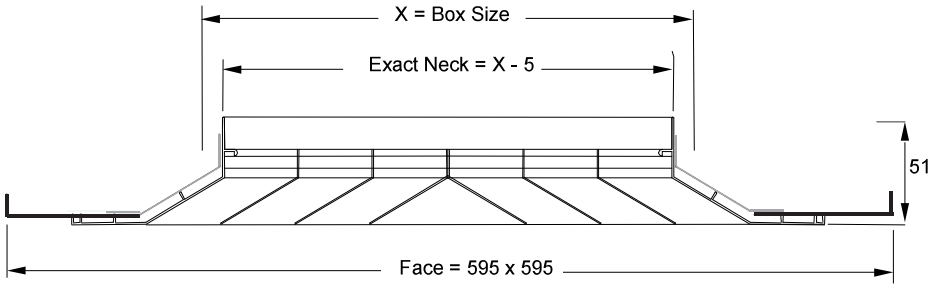
Manufactured Range





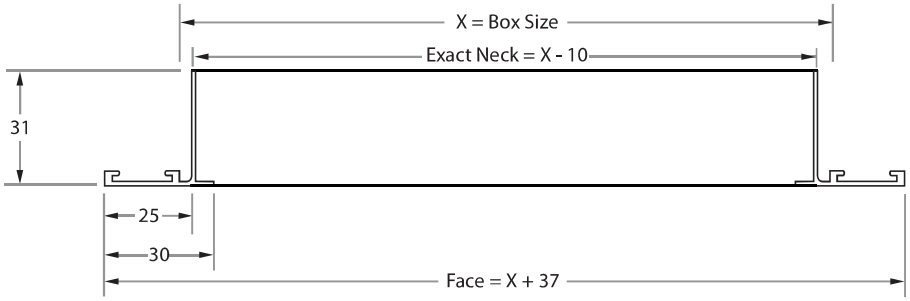
LD-SD Lay-In & Flush Mounted Diffusers

Scale: N.T.S.



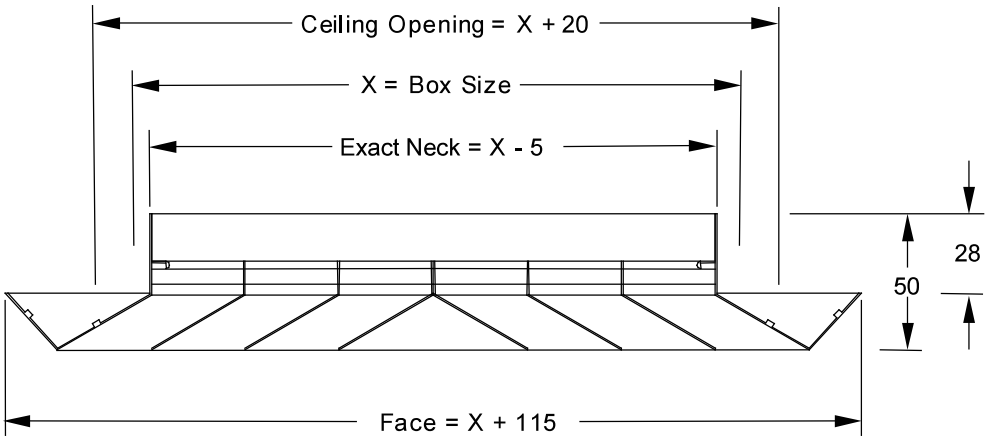
PLQ Plaque Diffuser

Scale: N.T.S.



PBF Plaster Board Frame

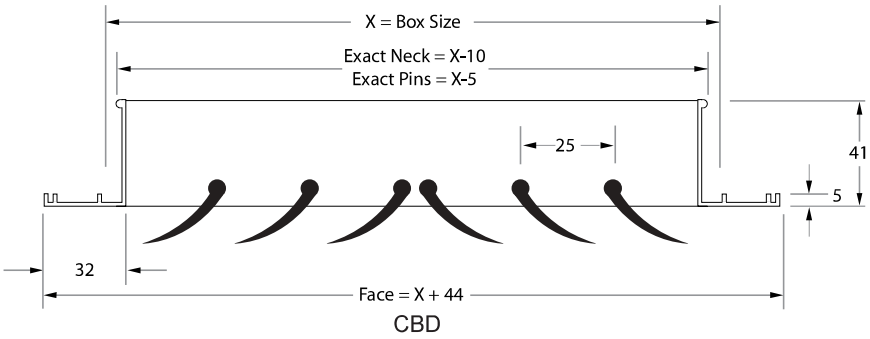
Scale: N.T.S.



BED

BED Bevelled Edge Diffuser

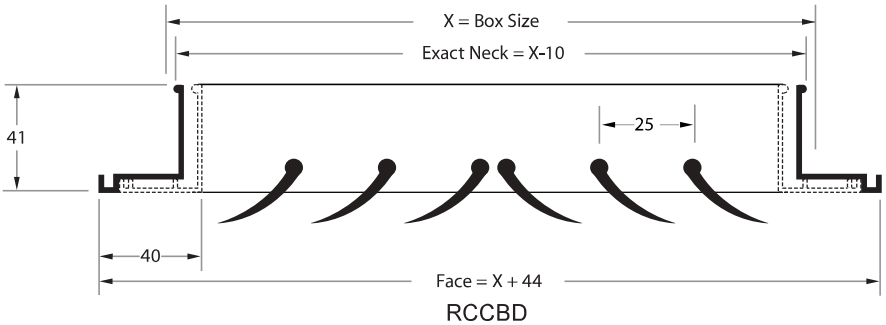
Scale: N.T.S.



CBD

CBD Curved Blade Diffuser

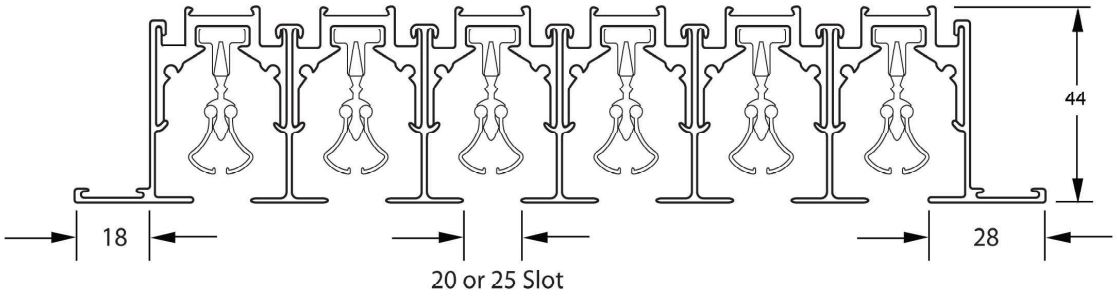
Scale: N.T.S.



RCCBD

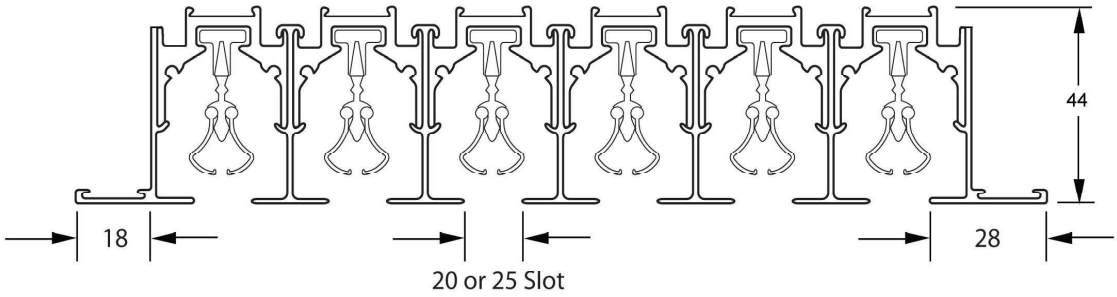
RCCBD Removable Core Curved Blade Diffuser

Scale: N.T.S.



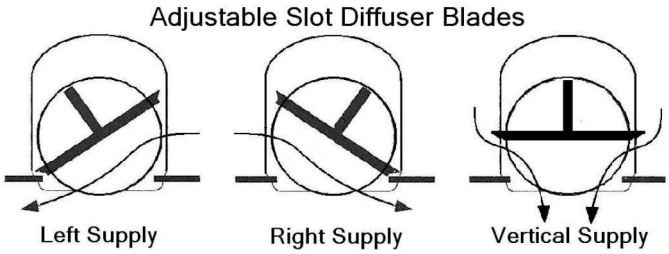
LSD Linear Slot Diffuser

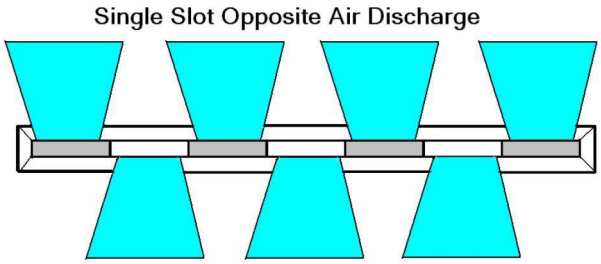
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LCLSD Loose Core Linear Slot Diffuser

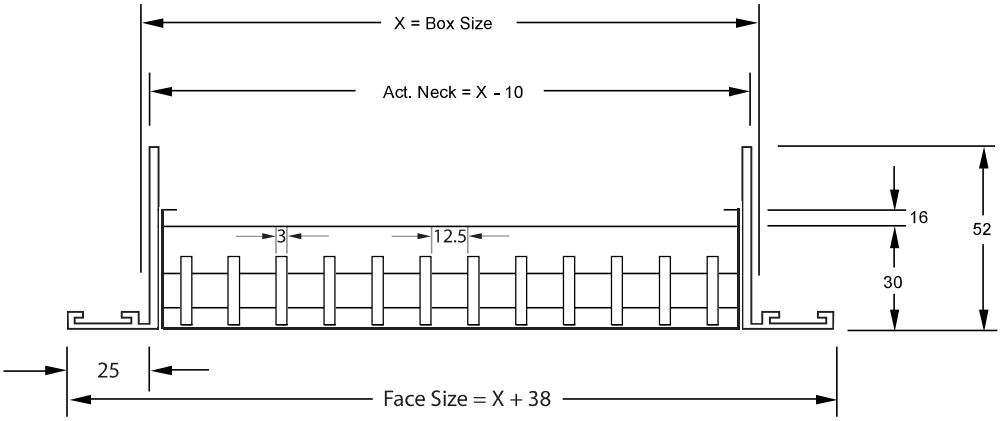
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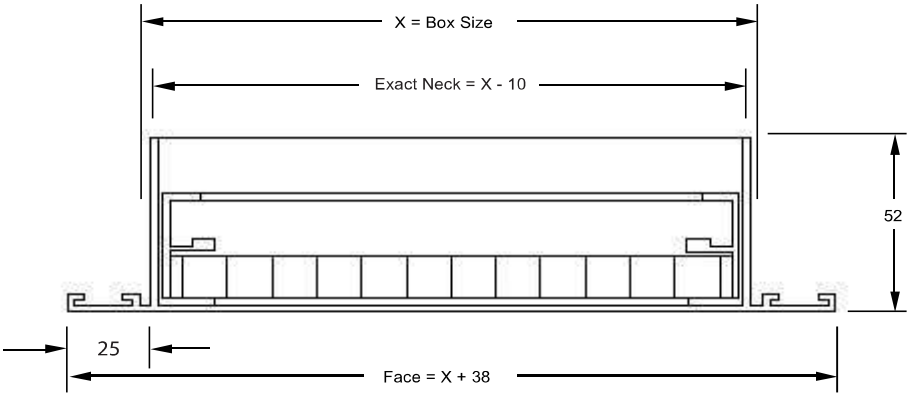
ALSD Adjustable Linear Slot Diffuser

Scale: N.T.S.



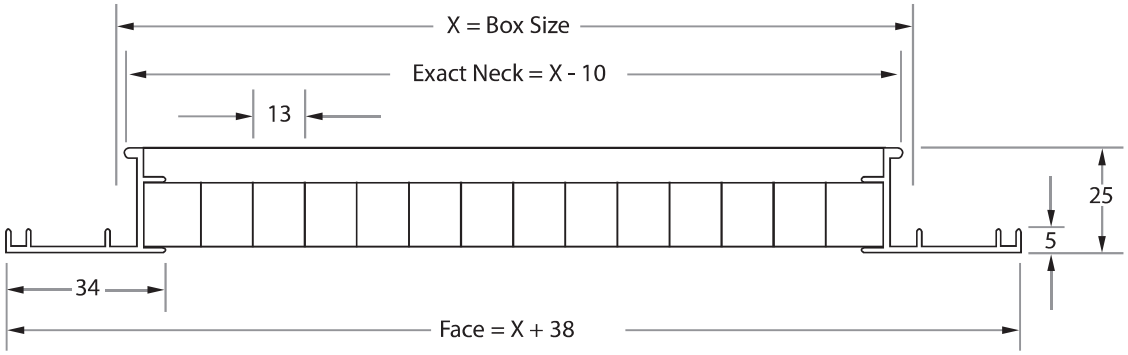
HBG Hinged Bar Grille

Scale: N.T.S.



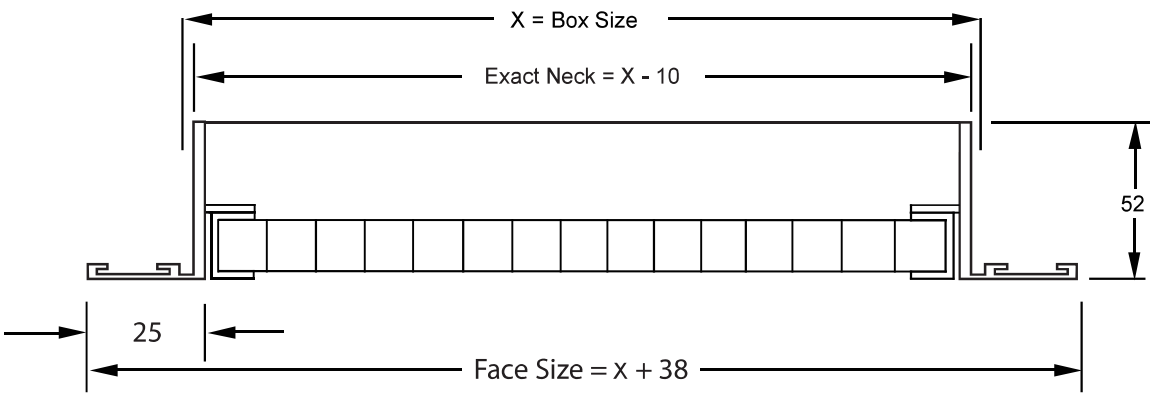
HERAG Hinged Return Air Grille c/w Filter

Scale: N.T.S.



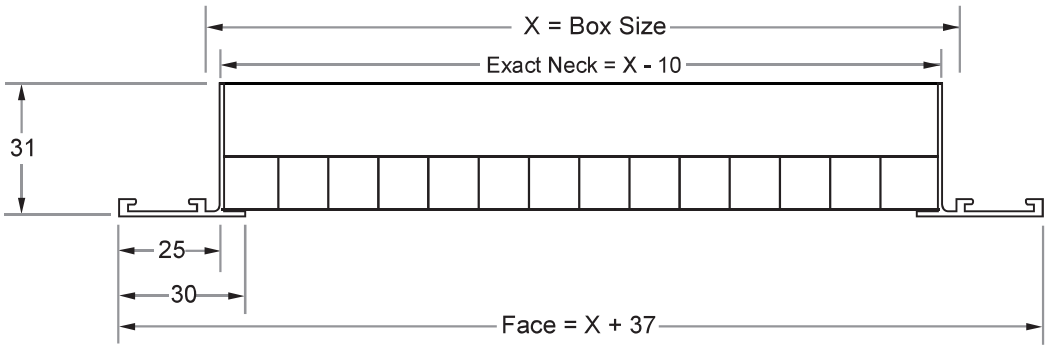
EG Eggcrate Grille

Scale: N.T.S.



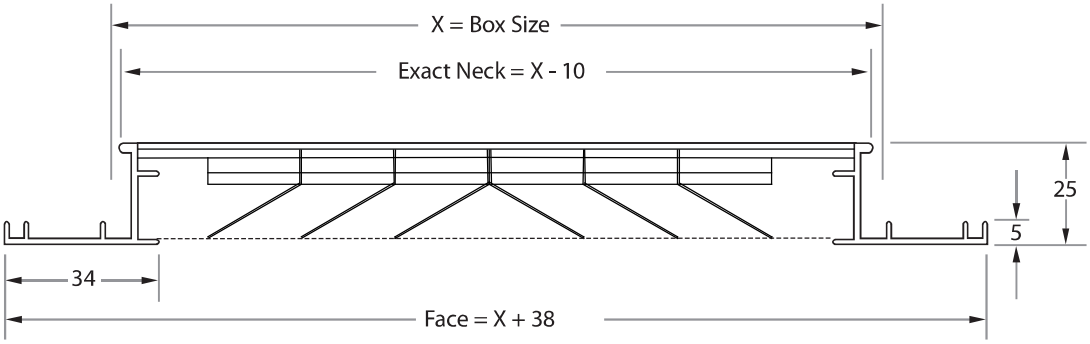
RCEG Removable Core Eggcrate Grille

Scale: N.T.S.



LCEG Loose Core Eggcrate Grille

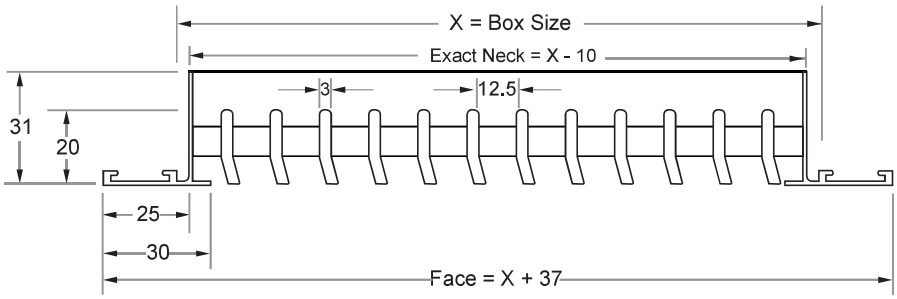
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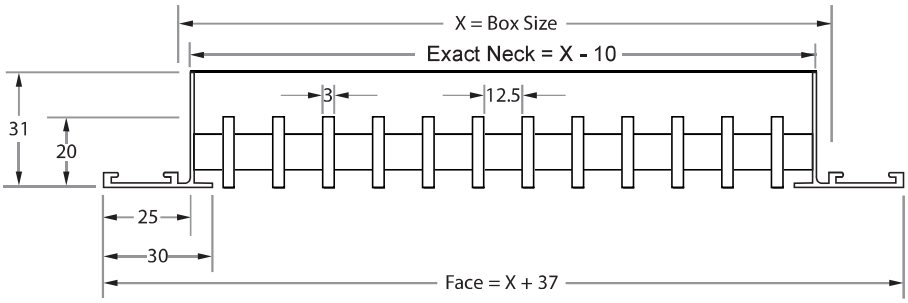
PSG Perforated Supply Air Grille

Scale: N.T.S.

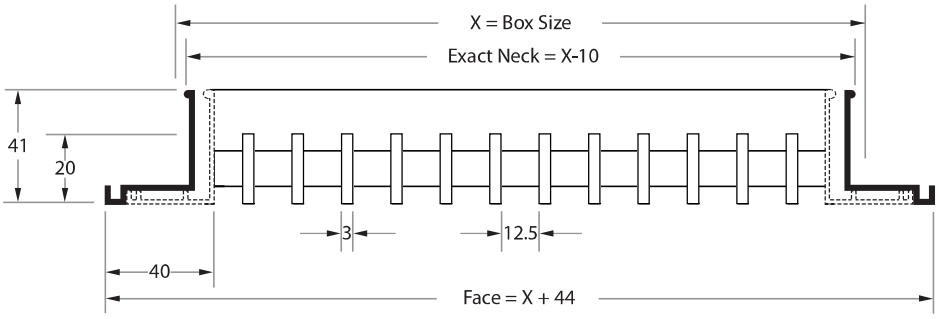
Dimensional Drawings Manufactured Range



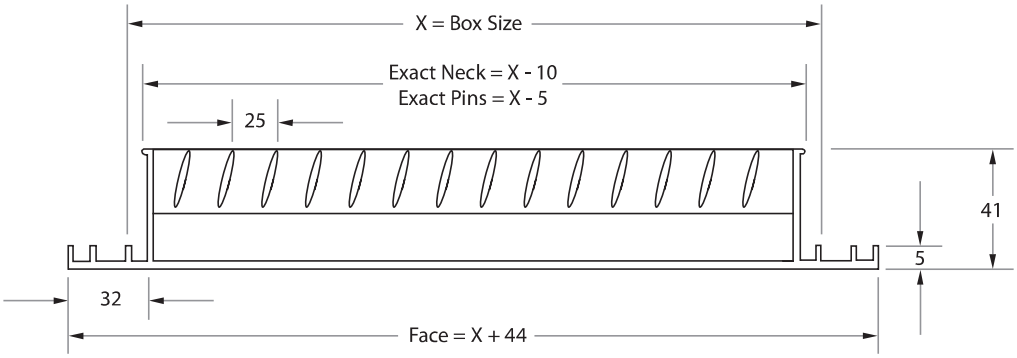
BG 15 DEGREE DEFLECTION



BG 0 DEGREE DEFLECTION



RCBG

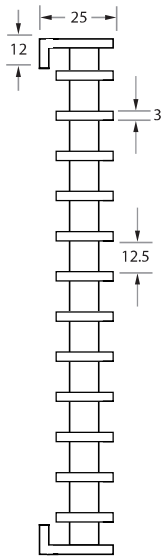


BAR GRILLE C/W REAR DEFLECTION BLADES

BG Bar Grilles

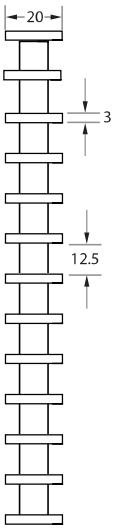
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Dimensional Drawings Manufactured Range



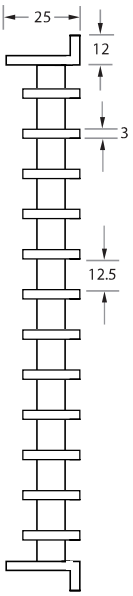
RABG

REVERSE ANGLE BAR GRILLE



FBG

FLANGELESS BAR GRILLE

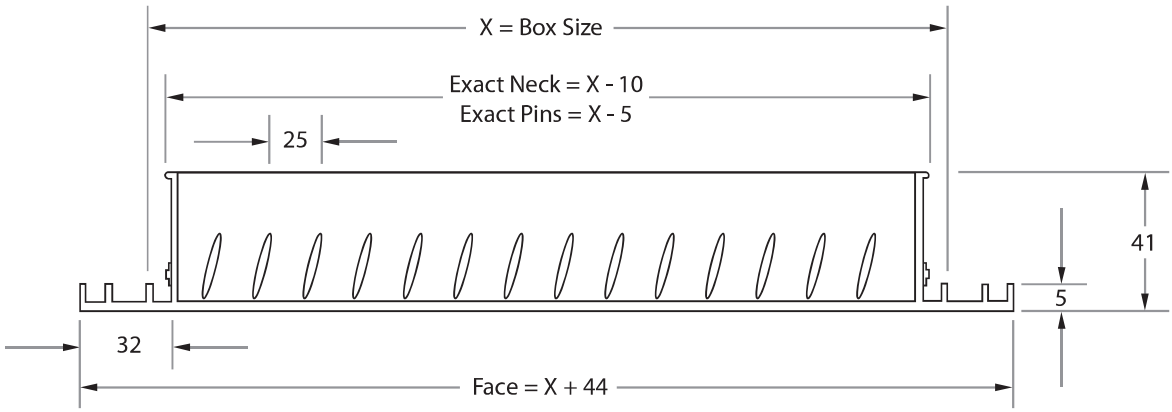


BG

12mm FLANGE BAR GRILLE

BG Bar Grilles

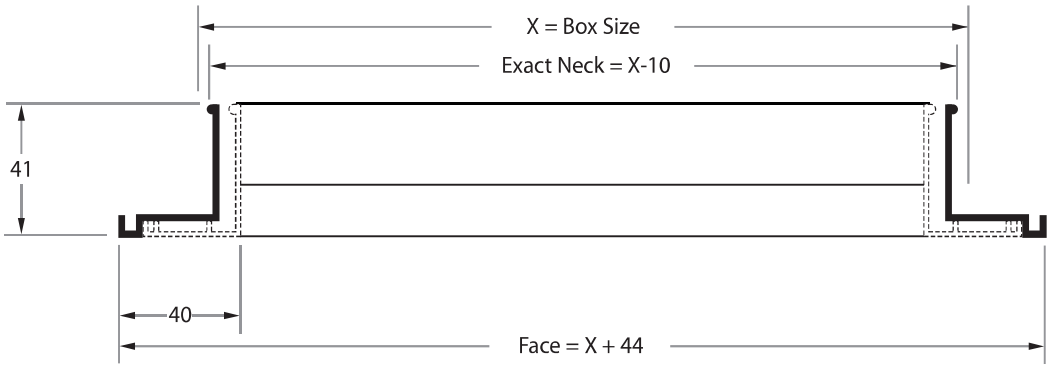
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SDR

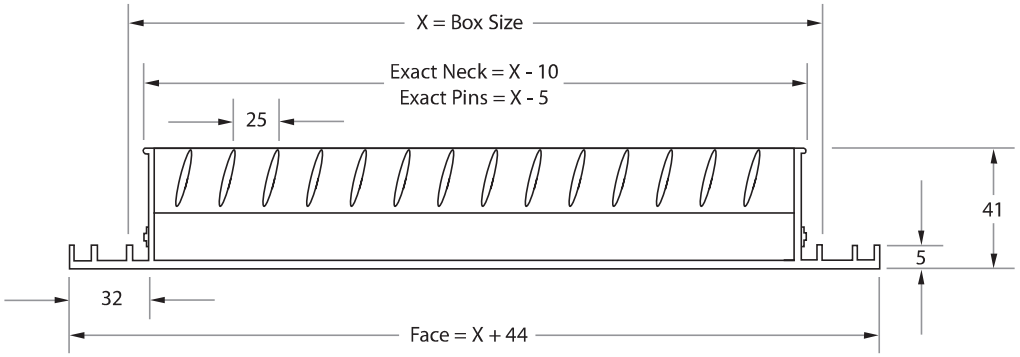
SDR Single Deflection Register

Scale: N.T.S.



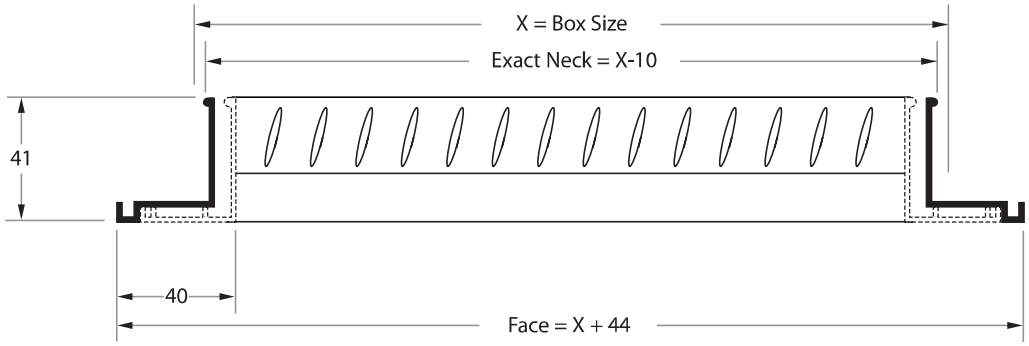
RCSDR Removable Core Single Deflection Register

Scale: N.T.S.



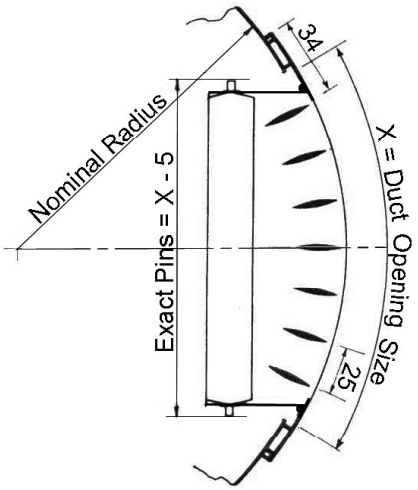
DDR Double Deflection Register

Scale: N.T.S.



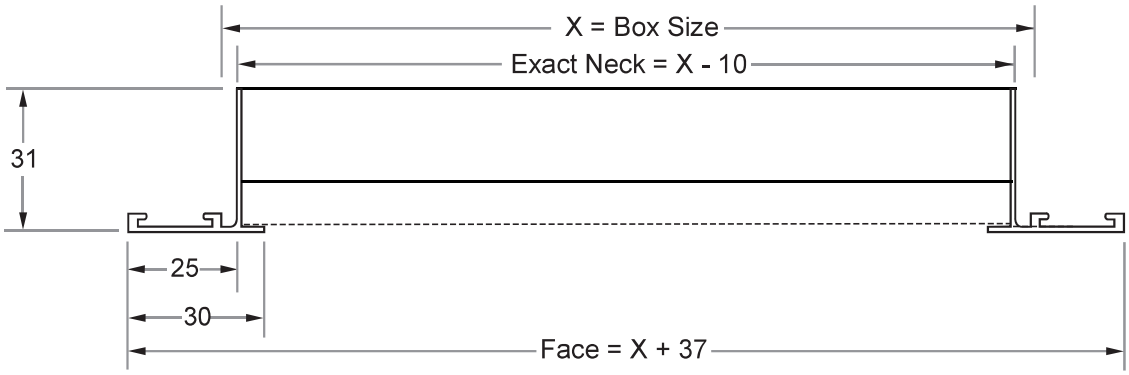
RCDDR Removable Core Double Deflection Register

Scale: N.T.S.



CDDR Curved Face Double Deflection Register

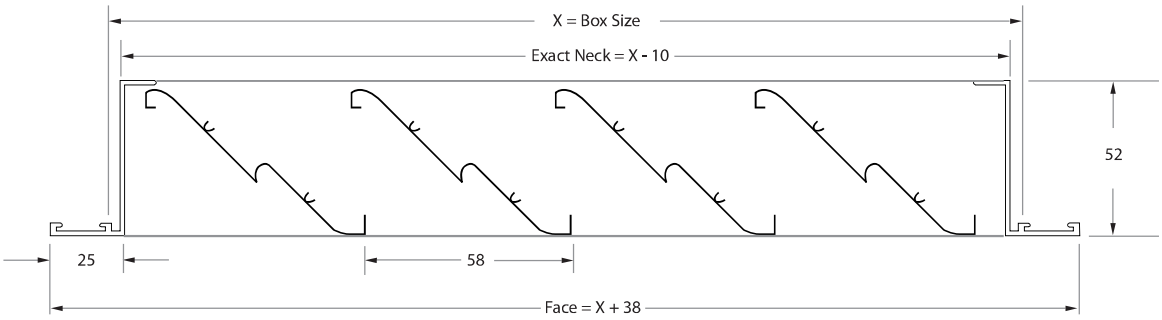
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EMG

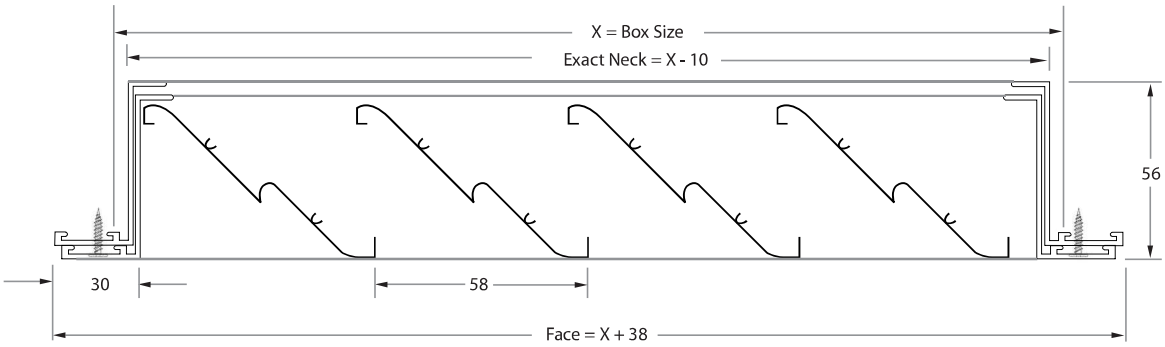
EMG Expanded Mesh Grille

Scale: N.T.S.



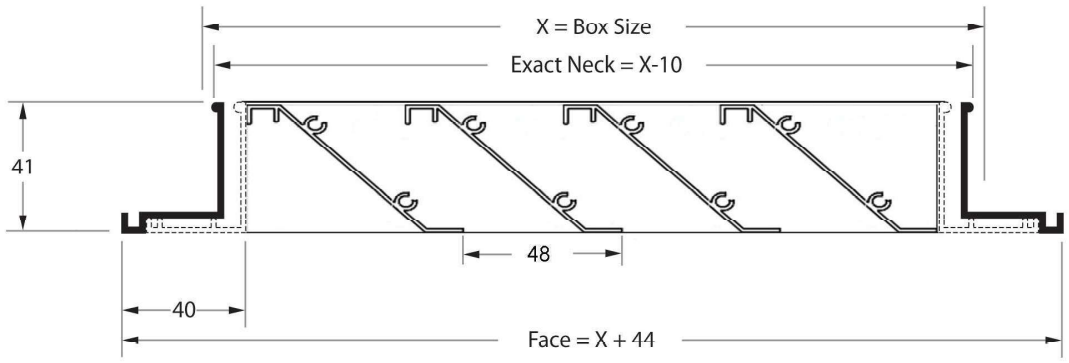
WPL Weatherproof Louvre

Scale: N.T.S.



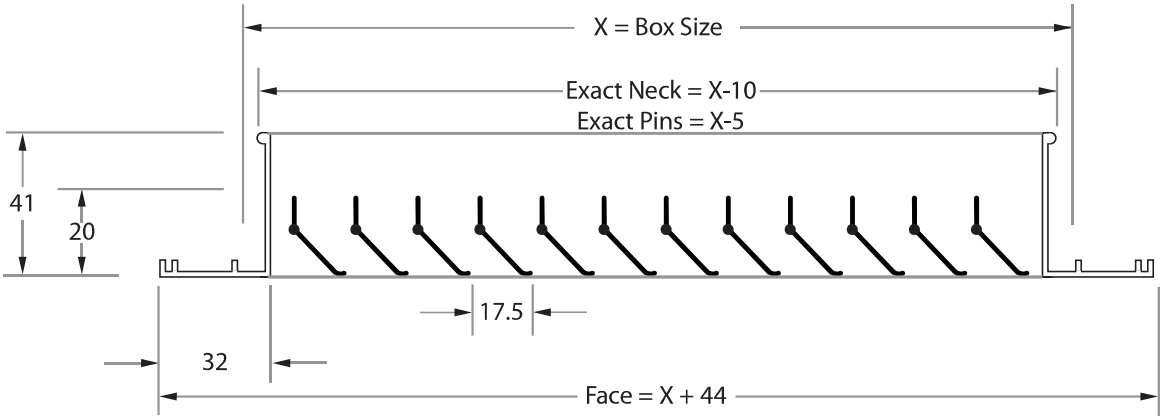
RCWPL Removable Core Weatherproof Louvre screw fixed

Scale: N.T.S.



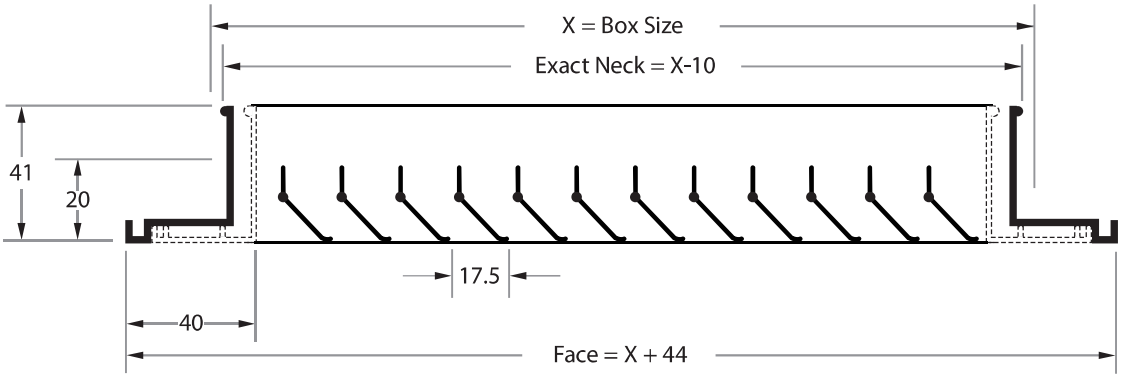
RCWPL Removable Core Weatherproof Louvre

Scale: N.T.S.



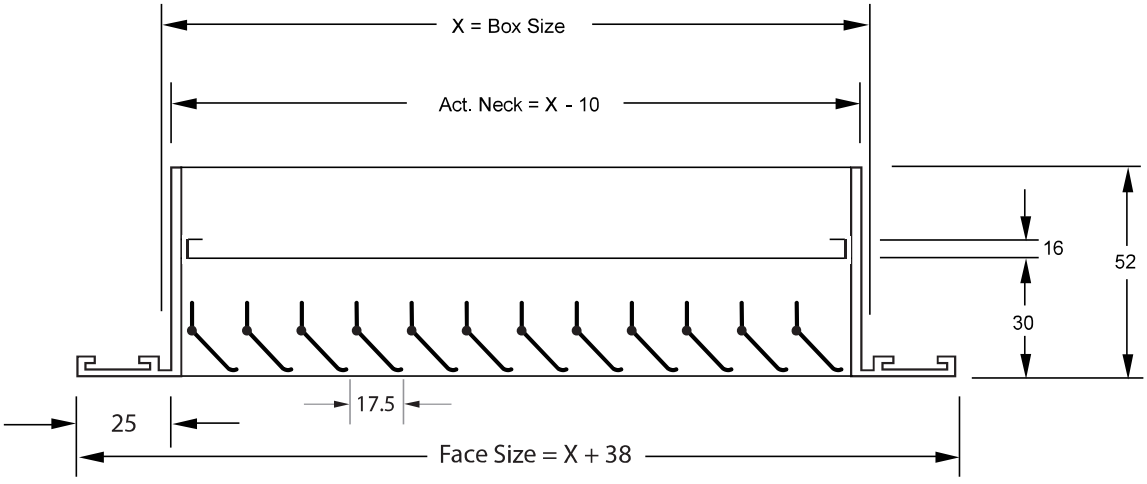
HC Half Chevron

Scale: N.T.S.



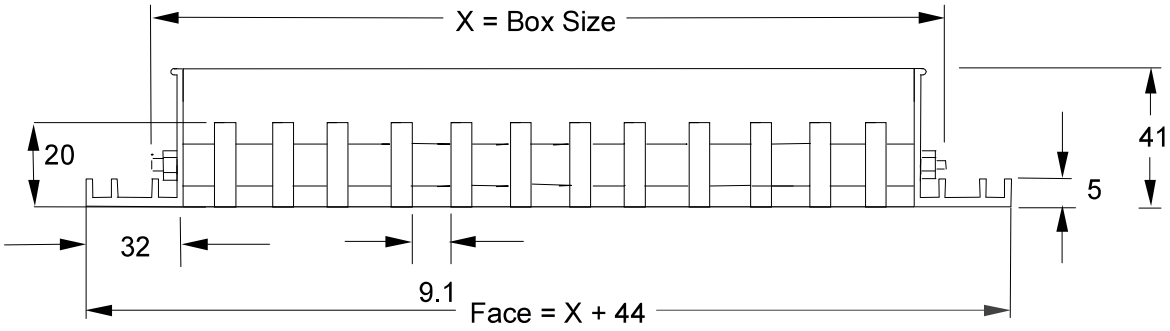
RCHC Removable Core Half Chevron

Scale: N.T.S.



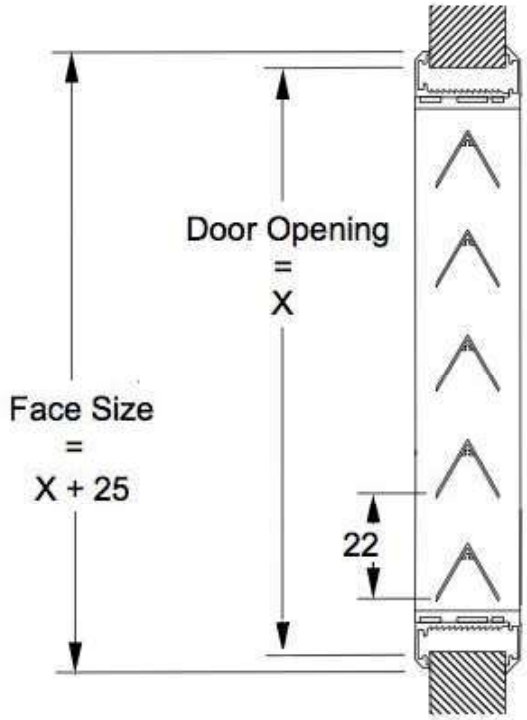
HHC Hinged Half Chevron

Scale: N.T.S.



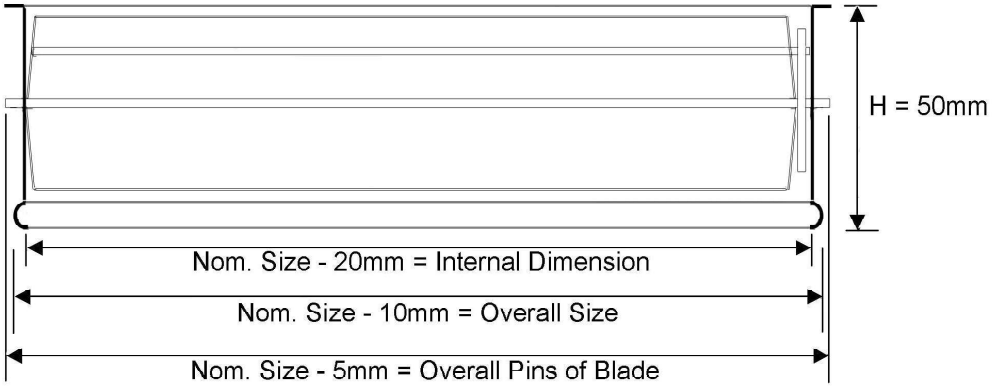
FG Floor Grille

Scale: N.T.S.



DG Door Grille

Scale: N.T.S.



Example: OBD 300 x 300 = 280 x 280 Internal Dimension

290 x 290 Overall Size

295 x 295 Overall Pins of Blade

OBD Opposed Blade Damper

Scale: N.T.S.

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