

SERIES SX

Air Supply Valves

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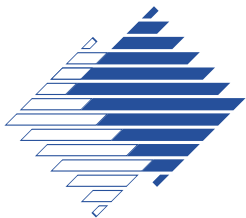


Features

- Fully Adjustable Core.
- Excellent Pressure Drop & Noise Characteristics.
- Quick Easy Valve removal.
- Inclusive Mounting Rings.
- Steel Construction with Durable White Stoved Finish.
- Fire Rated Valve Option



GILBERTS



SERIES SX

Introduction

Gilberts SX Series of valves have been designed to provide a compact, clean and attractive means to supply fresh air to bathrooms, toilets, washrooms and kitchens, etc.

Manufactured from sheet steel and finished in durable white stove enamel they can provide relatively high air volumes whilst retaining good diffusion and low noise characteristics.

A twist in bayonet type fixing arrangement facilitates fast installation and removal from the mounting ring provided to allow for core adjustment or valve cleaning without affecting the valve settings. A foam gasket fitted to the valve body also ensures an airtight seal.

THE EXTRACT VALVE range comprises of two unit types:

Type SX Standard supply valve design available in five sizes, all complete with mounting ring.

Type SXF Combination fire damper and supply valve available in size 100 and 125 Diameter complete with mounting ring.

Features

- Fully adjustable core.
- Excellent pressure drop and noise characteristics.
- Quick, easy valve removal.
- Inclusive mounting rings.
- Steel construction with durable white stoved finish.
- Fire rated valve option.



Valve adjustment is achieved by simply rotating the central core inwards or outwards on its spindle and locking into its set position using the holding nut at the rear of the valve assembly. The SXF Fire Rated Valve functions as a normal extract valve, sharing the same basic construction and performance as a normal

supply valve, however this unit also incorporates a spring loaded core and fusible link mechanism. As temperatures reach 70°C the fusible link will melt allowing the core to spring to a failsafe closed position providing a 2 hour rated unit as tested in accordance with BS 476 part 20 1987.

Performance Data

For sizing and selection Performance Data Tables for each respective size and type are provided on the following pages. For any given volume the pressure loss characteristics can be determined at the intersection with the core positioning lines. The core

position is expressed in terms of the number of mm, inwards and outwards, from its central position as shown in the dimensional illustrations.

Noise (dba) ratings are indicated in 5db Bands across the core positions.

Selection Procedure

Having established the positions where units are to be located, use the Performance Data Tables to check the volume per unit to identify a suitable unit size to meet throw requirements. Pressure drop readings and noise levels can then be identified and

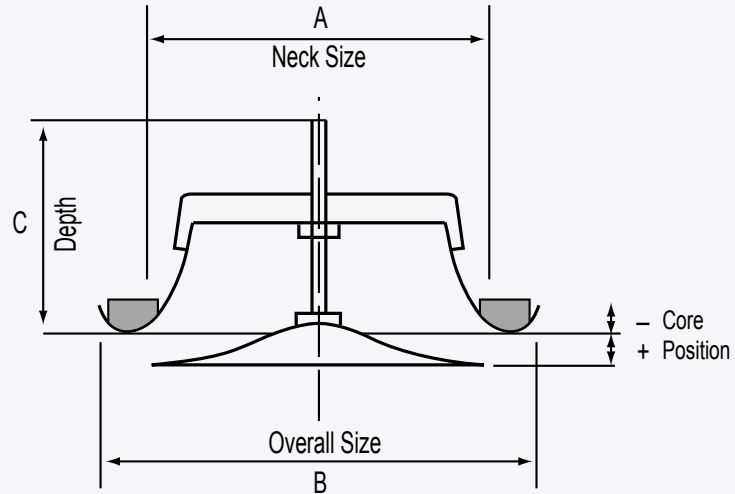
assessed for acceptability.

Ideally units should be sized with the core in its central position to allow for adjustments and variations on site.



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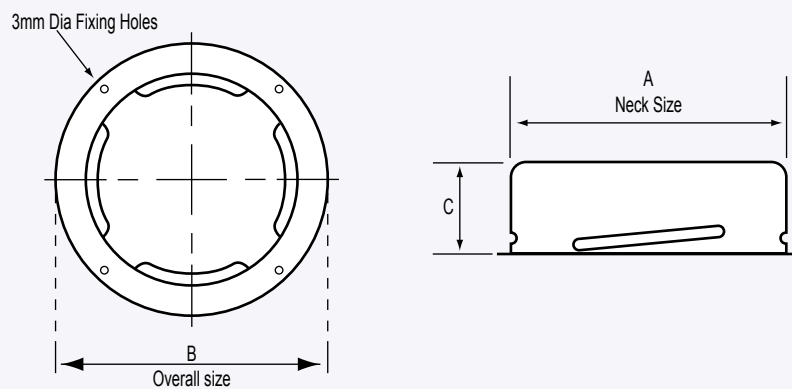
Type SX



DIMENSIONAL DATA

TYPE	SIZE	A	B	C	Weight g
SX	80	77.5	115	42	150
SX + SXF	100	97.5	138	40	170
SX + SXF	125	122.5	164	46	230
SX	150	147.5	202	50	320
SX	160	157.5	211	54	370
SX	200	197.5	248	63	520

Mounting Ring



SIZE	A	B	C	Weight g
80	79	105	30	80
100	99	127	30	50
125	124	155	30	65
150	149	176	30	80
160	159	186	30	90
200	199	230	30	110

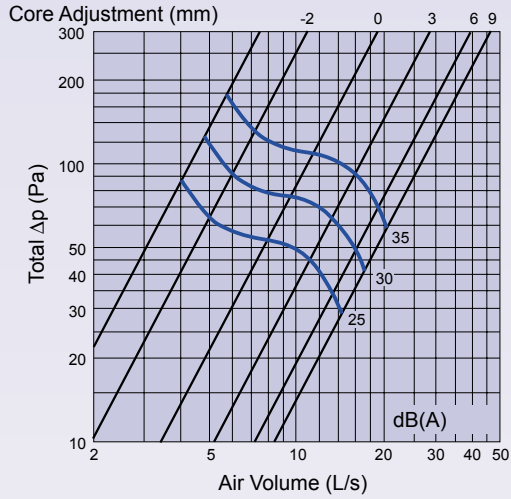


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Performance Data

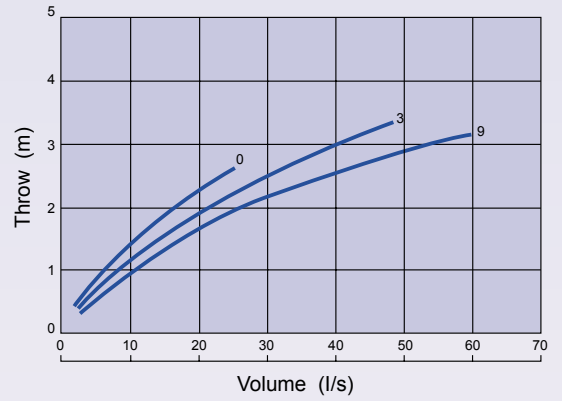
Noise Reduction

SX - 80

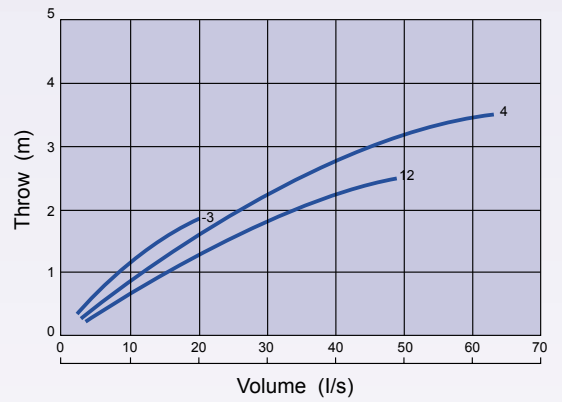
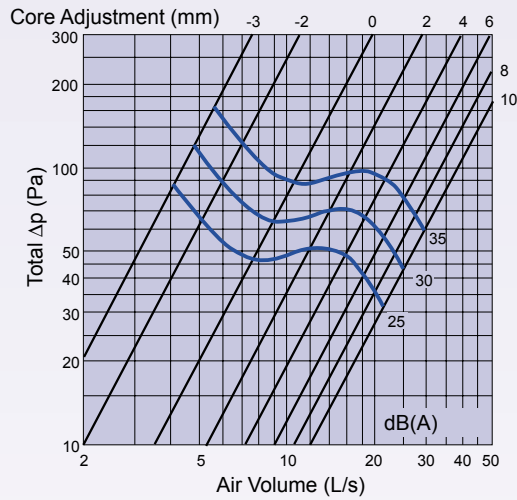


Throw

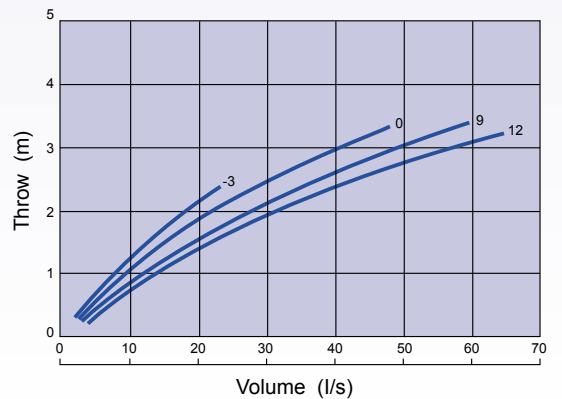
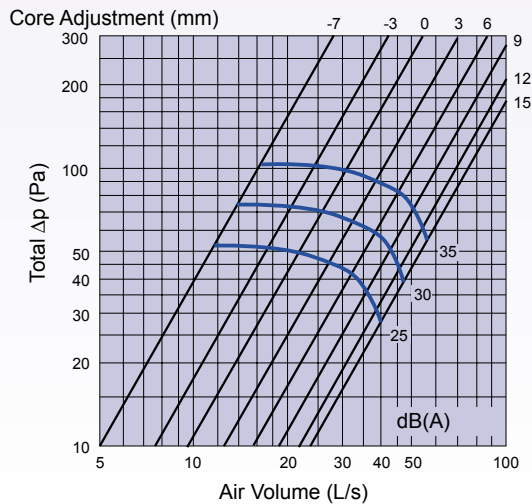
Key: Blue line indicates Terminal Velocity of 0.2m/s. The corresponding number is Core Position (mm)



SX + SXF - 100



SX + SXF - 125



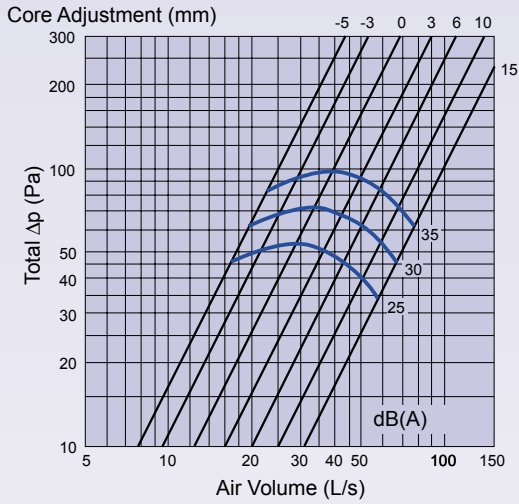


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Performance Data

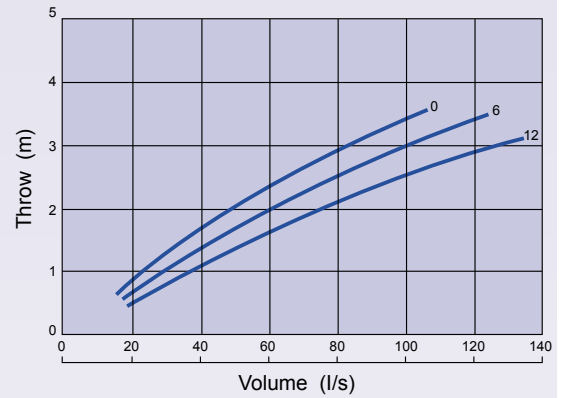
Noise Reduction

SX - 150

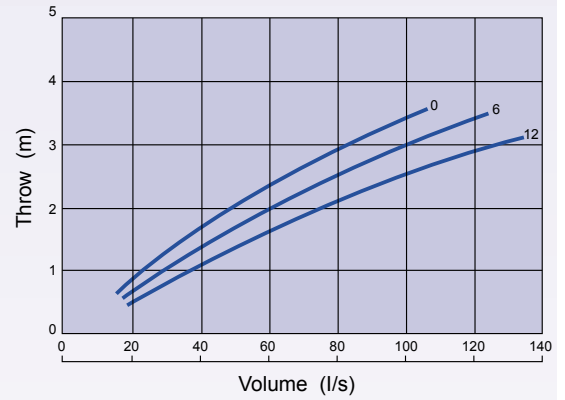
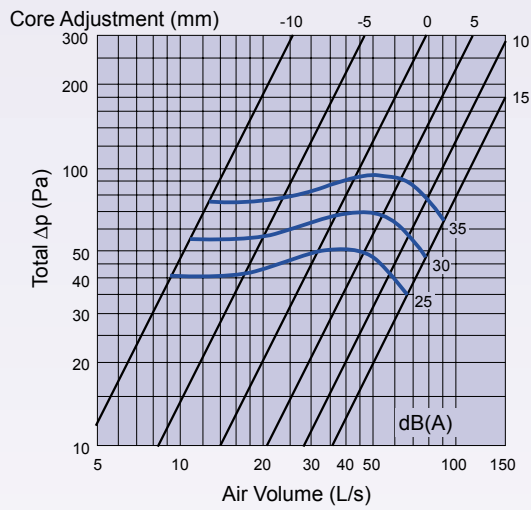


Throw

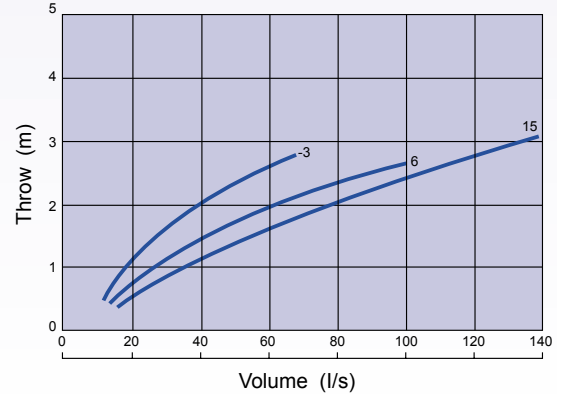
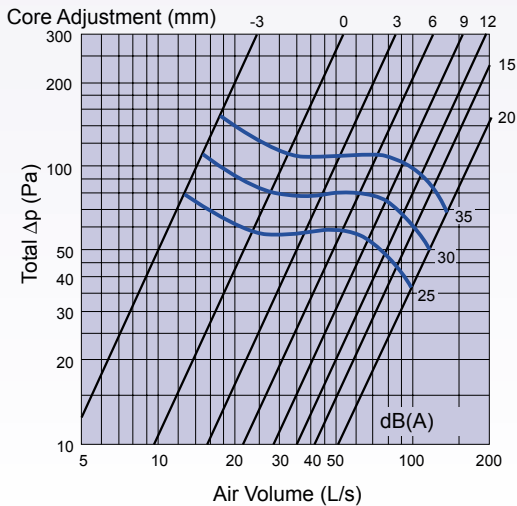
Key: Blue line indicates Terminal Velocity of 0.2m/s. The corresponding number is Core Position (mm)

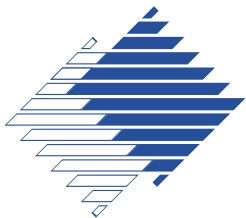


SX - 160



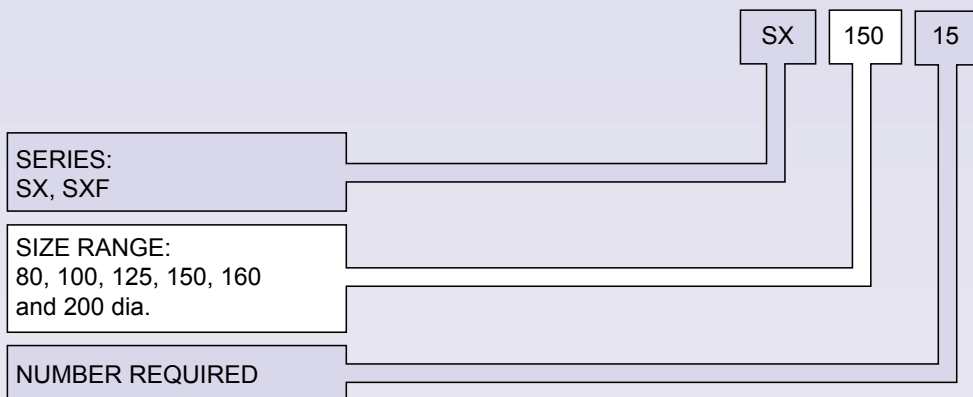
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Ordering Specification



FIXING

Quick, quarter turn, screw in fixing into mounting ring.

FINISH

Standard Finish: Standard finish for all units is a Stove Enamel White.

Contact

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