

SERIES SX

Air Supply Valves

PUBLICATION

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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.



GILBERTS

SERIES SX

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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 a single unit type:

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

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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.

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

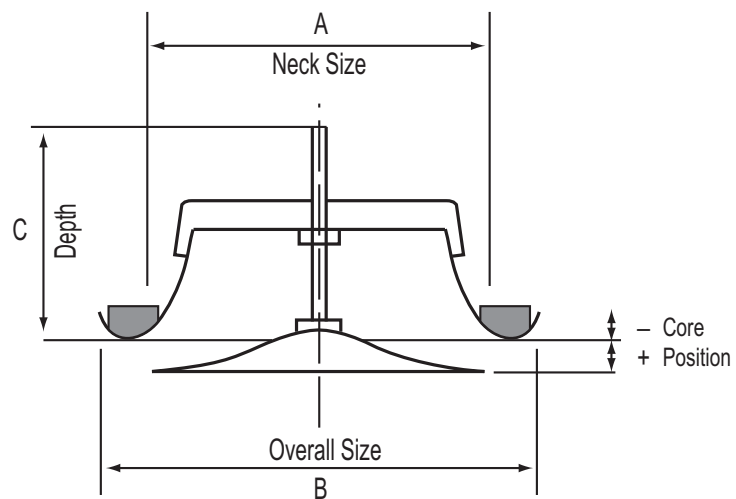
Having established the positions where units are to be located, use the Performance Data Tables to check the volume per unit to identify a suitable unit size to meet throw requirements. Pressure drop readings and noise levels can then be identified and

assessed for acceptability.

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



Type SX



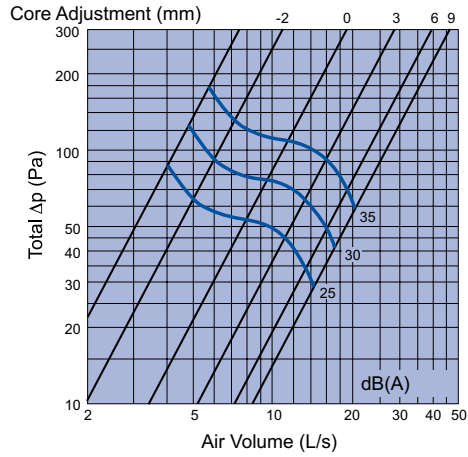
DIMENSIONAL DATA

TYPE	SIZE	A	B	C	Weight (Kgs)
SX	80	77.5	116	40	0.15
SX	100	97.5	140	40	0.17
SX	125	122.5	170	46	0.23
SX	150	147.5	202	54	0.32
SX	160	157.5	202	54	0.37
SX	200	197.5	254	64	0.52

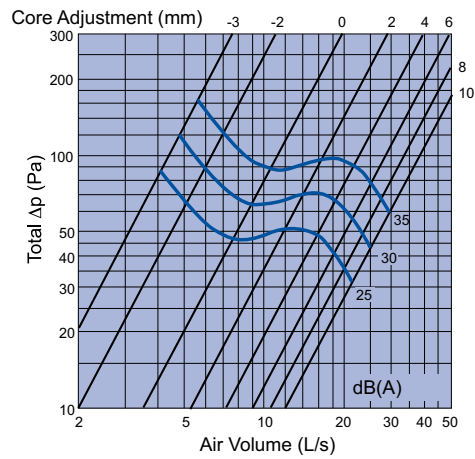
Performance Data

Noise Reduction

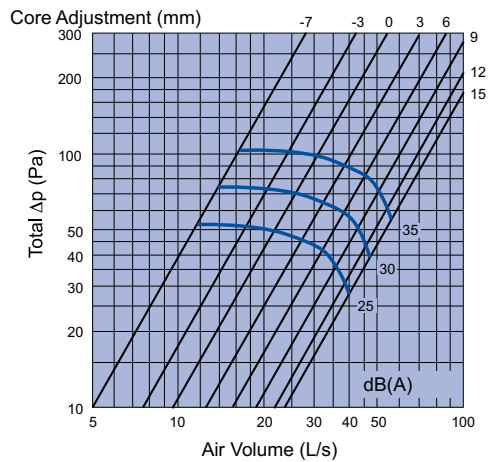
SX - 80



SX - 100

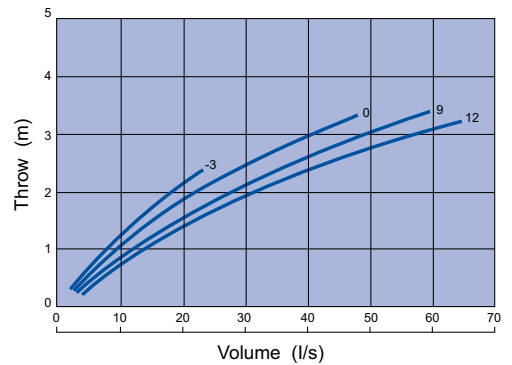
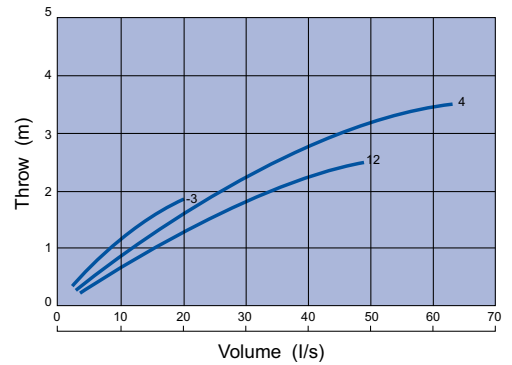
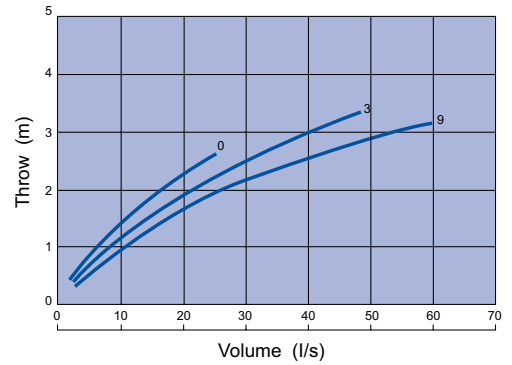


SX - 125



Throw

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

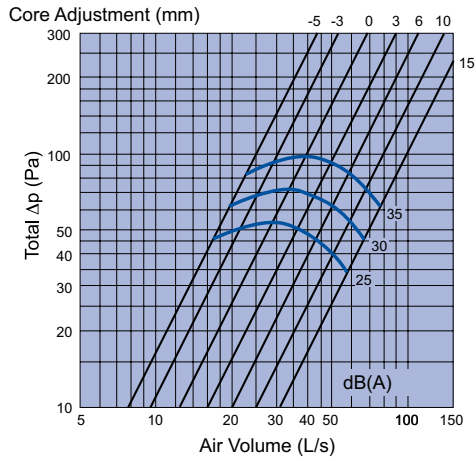




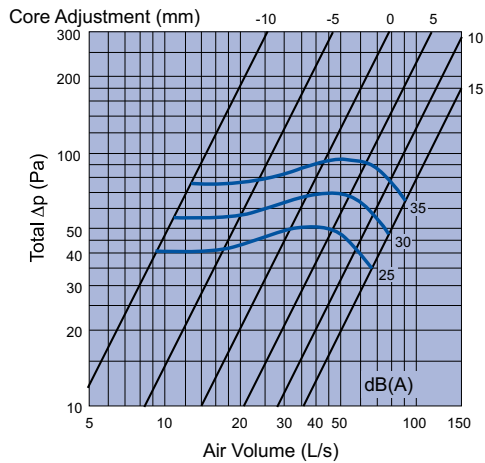
Performance Data

Noise Reduction

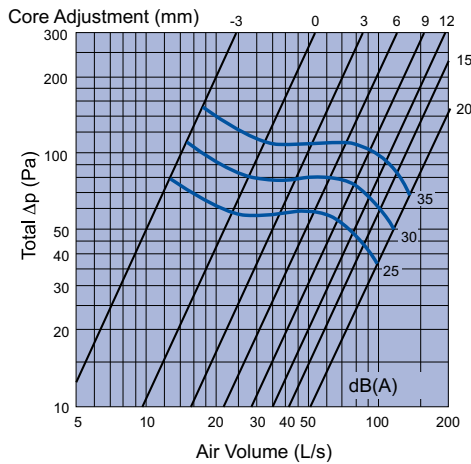
SX - 150



SX - 160

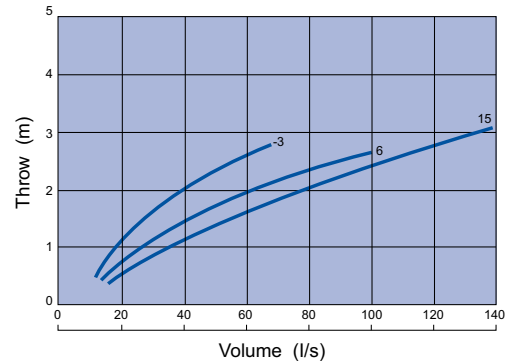
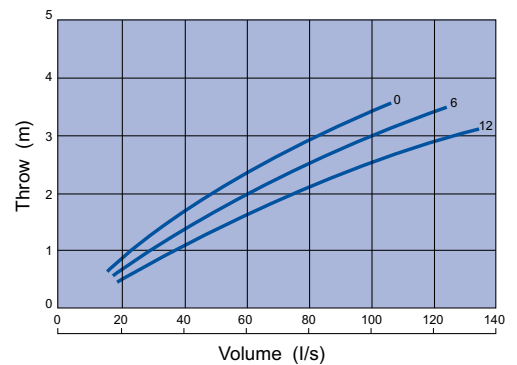
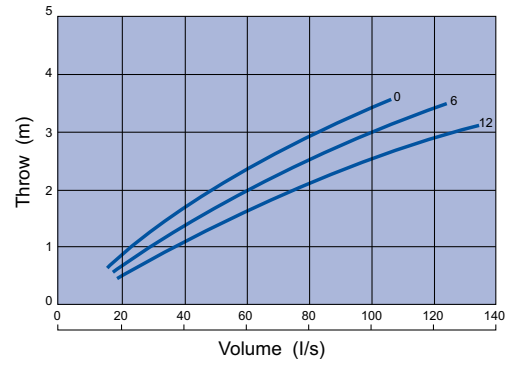


SX - 200



Throw

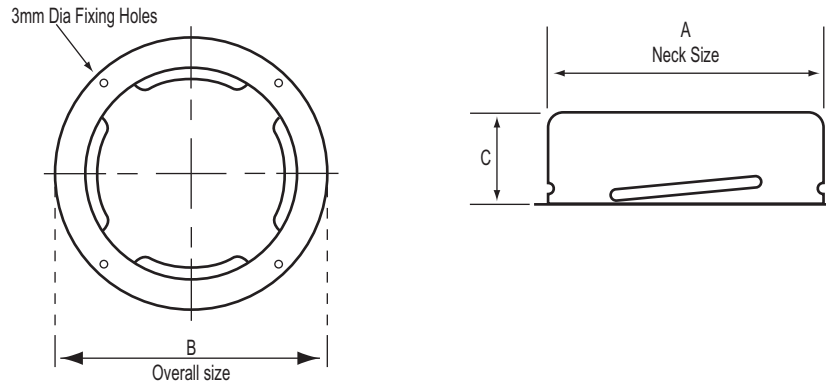
Key: Blue line indicates Terminal Velocity of 0.2m/s. The corresponding number is Core Position (mm)



SERIES SX

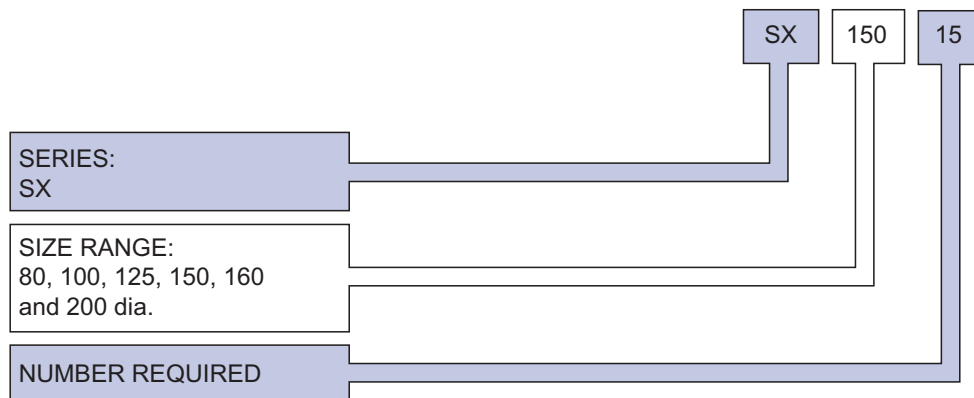
Air Supply Valves

Mounting Ring



SIZE	A	B	C	Weight (Kgs)
80	79	102	50	0.06
100	99	122	50	0.07
125	124	148	50	0.09
150	149	175	50	0.11
160	159	184	50	0.12
200	199	225	50	0.15

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.

GILBERTS

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