

Acoustic transfer grilles



DSRX

Introduction

The Waterloo series DSRX have been developed for use in partitions and doors where a reduction in noise transfer or "cross-talk" from one space to another is required, as well as ventilation air transfer.

The DSRX are manufactured from high quality aluminium extrusions with channel section cores forming a labyrinth airway lined internally with acoustic damping media. The cores are retained within a flanged frame which is fitted with a sealing gasket. Units are supplied with fixed border and matching adjustable rear border frame.

DSRX units will only provide acoustic isolation improvements over that of a clear aperture. DSRX units may be used in series to increase transmission loss.

Product Description

DSRX Acoustic transfer grille with rear matching frame

Features

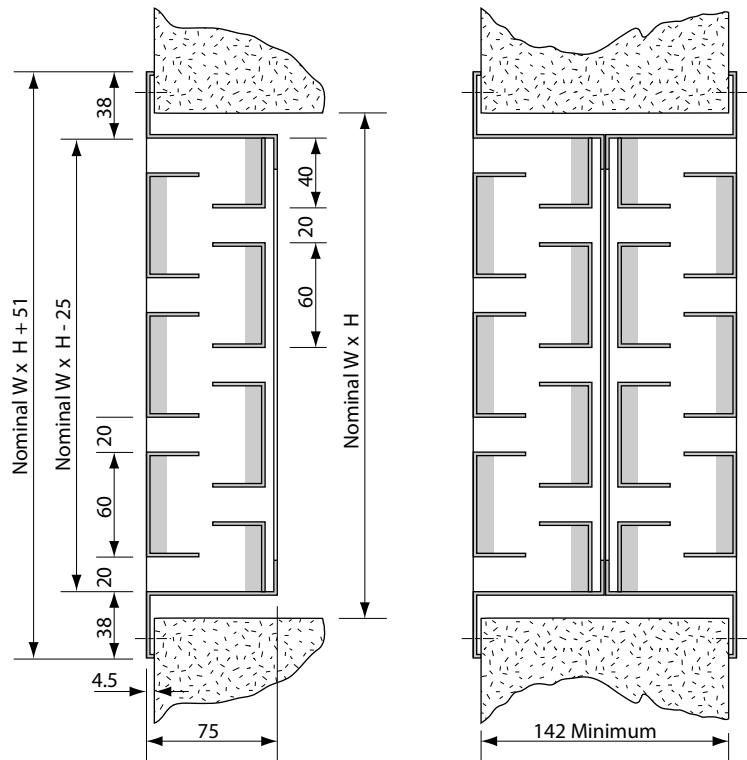
- Suitable for partition, wall or door mounting
- Easy to install
- Fits most standard doors and partitions
- Easy to clean
- Modular sizes

Finishes

- PPM9006 (RAL 9006 Matt Silver)
- PPM9010 (RAL 9010 Matt White)
- PPG9010 (RAL 9010 Gloss White)
- Other colours available on request

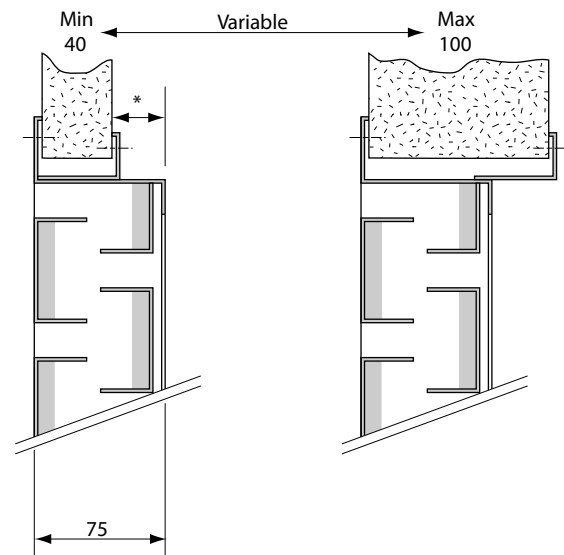
Sizes

Width 325 minimum to 1025 maximum in 100mm increments.
Height 125 minimum to 1005 maximum in 80mm increments.



DSRX

DSRX back-to-back
(2 No. required)



Door / Partition mounting
40 - 100mm thick

* Note: 30mm protrusion with minimum depth of door

Order Example

DSRX/425/285/PPM9010

Nominal width _____
Nominal height _____
Finish _____



Acoustic Transfer Grilles

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Spectrum Correction (Add to LwNR)

Frequency (Hz)					
125	250	500	1K	2K	4K
+1	+4	+3	0	-10	-16



Performance Nomogram

Selection Example

Select a DSRX grille to handle 70 l/s when mounted within a 100mm partition and a maximum permitted pressure loss of 20 Pa.

From Nomogram Select Size 425 x 365

Pressure loss = 16Pa (DSRX)

LwNR 26 ∴ Sound Power Spectrum is

Freq (Hz)	125	250	500	1K	2K	4K
SWL (dB)	27	30	29	26	16	10

