

Acoustic Transfer Grilles

DSR / DSRX

Introduction

The Waterloo DSR has 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 DSR is 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. DSRX units are supplied with fixed border and matching adjustable rear border frame.

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

Product Description

DSR Acoustic transfer grille

DSRX Acoustic transfer grille for variable depth partition of 40 to 100 mm with rear matching frame

DSR2 Back to back acoustic transfer grille

Features

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

Finishes

PPG9010 (RAL 9010 Gloss - 80% Gloss White)

PPM9010 (RAL 9010 Matt - 20% Gloss White)

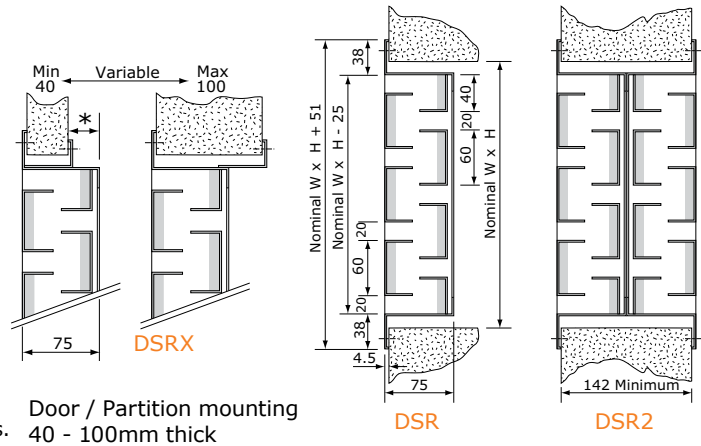
PPM9006 (RAL 9006 Matt - 30% Gloss Silver)

Other colours available on request

Sizes

Width 325 minimum to 1025 maximum in 100mm increments.

Height 125 minimum to 1005 maximum in 80mm increments.



Door / Partition mounting
40 - 100mm thick

* Note: 30mm protrusion with minimum depth of door

Selection Criteria

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

Spectrum Correction (Add to dBA)

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

From Nomogram Select Size 425 x 365

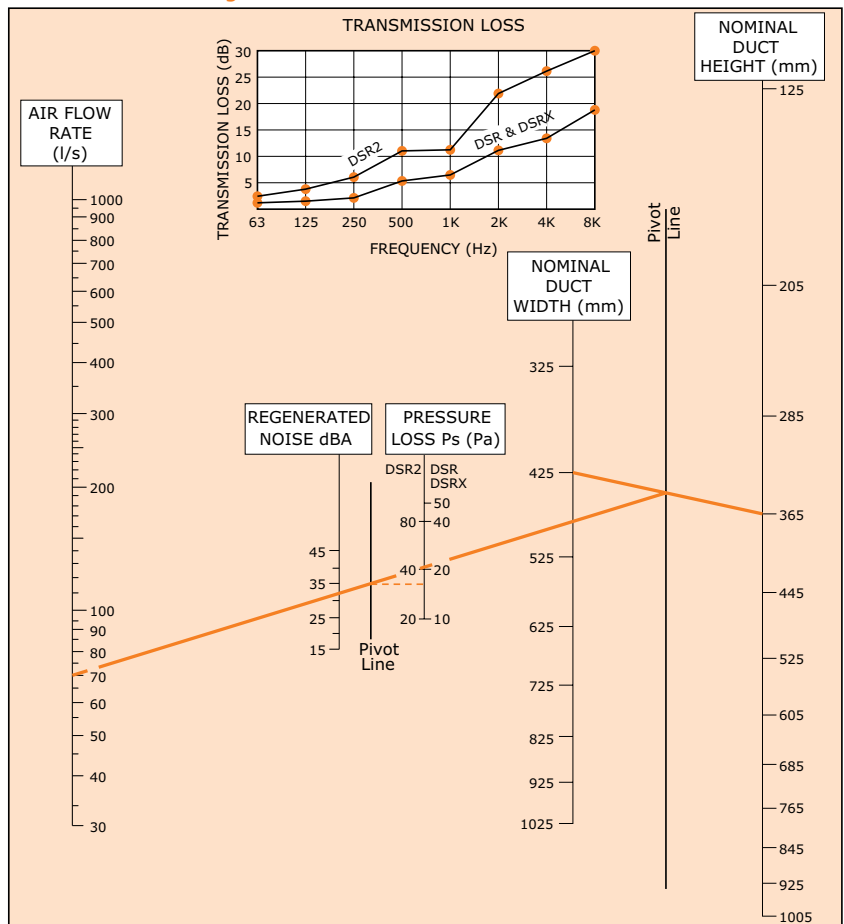
Pressure loss = 16 Pa (DSR)

31 dBA

Sound Power Spectrum is:

Freq (Hz)	125	250	500	1K	2K	4K
SWL (dB)	32	35	34	31	21	15

Performance Nomogram



ORDER EXAMPLE

DSR/425/285/PPM9010

Type _____
Nominal Width _____
Nominal Height _____
Finish _____