

## 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)

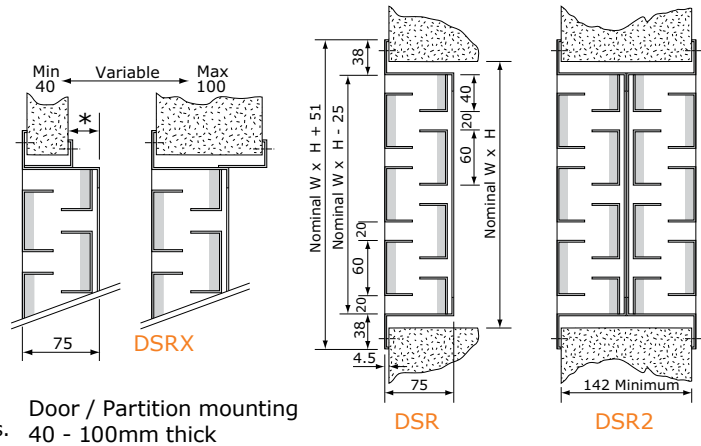
PPM9006 (RAL 9006 Matt - 30% Gloss Silver)

Other colours available on request

#### Sizes

Width 325 minimum to 1025 maximum in 100mm increments.

Height 125 minimum to 1005 maximum in 80mm increments.



\* 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

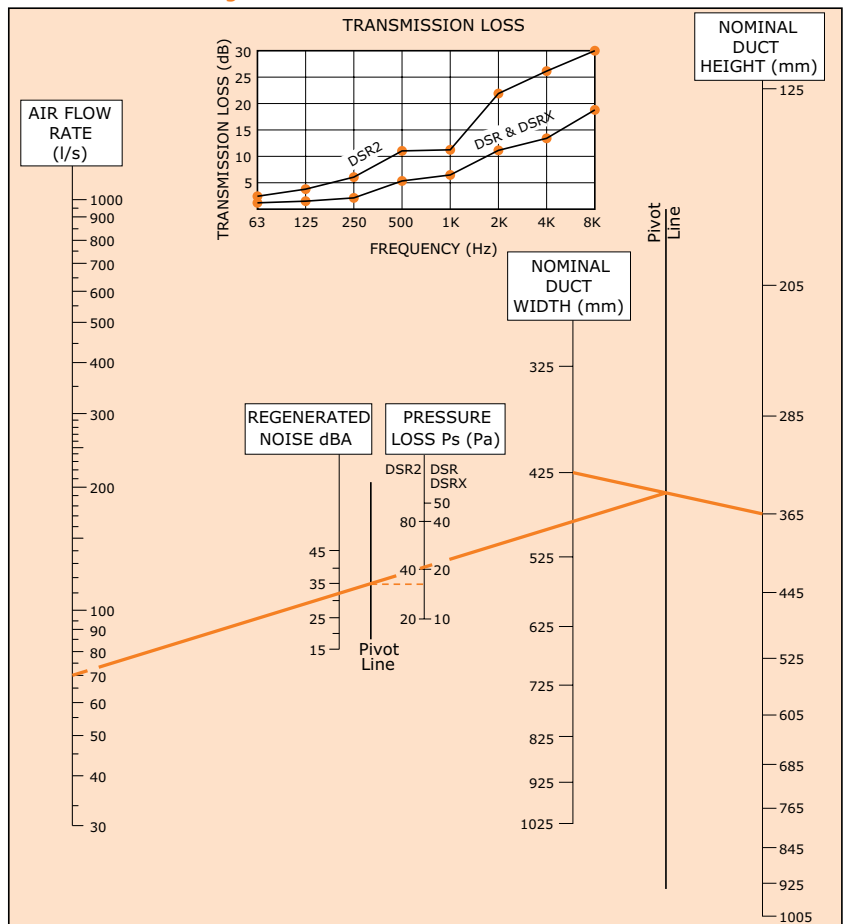
Pressure loss = 16 Pa (DSR)

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 \_\_\_\_\_