

Air Transfer Grilles

NS DV NSNL



Introduction

Waterloo transfer grilles are suitable for mounting in doors, partitions and walls to allow ventilation air to pass between adjacent rooms. The NS series are small format grilles with a “no-sight” feature, the DV series are large format grilles for door ventilator applications. The range is available with a wide variety of frame and fixing options to suit various design needs.

Product Description

- NS** Core only grille for beading in place
- NSA** Framed no-sight grille with matching reverse frame
- NSC** Framed no-sight grille without a matching reverse frame
- DV** Core only door ventilator for bead fixing
- DVA** Framed door ventilator with matching reverse frame
- DVC** Framed door ventilator without a matching reverse frame
- NSNL** Core only “No Sight No Light” grille for beading in place.
- NSNLA** Framed NSNL grille with matching reverse frame.
- NSNLC** Framed NSNL grille without matching reverse frame.

Features

- Small, large or dark room formats to suit design requirements
- No sight (NS) option for room to room privacy
- Small, or large formats to suit design requirements
- Narrow core only for modern door systems (NS)
- Flange screw fixing provided
- Two border styles available

Finishes

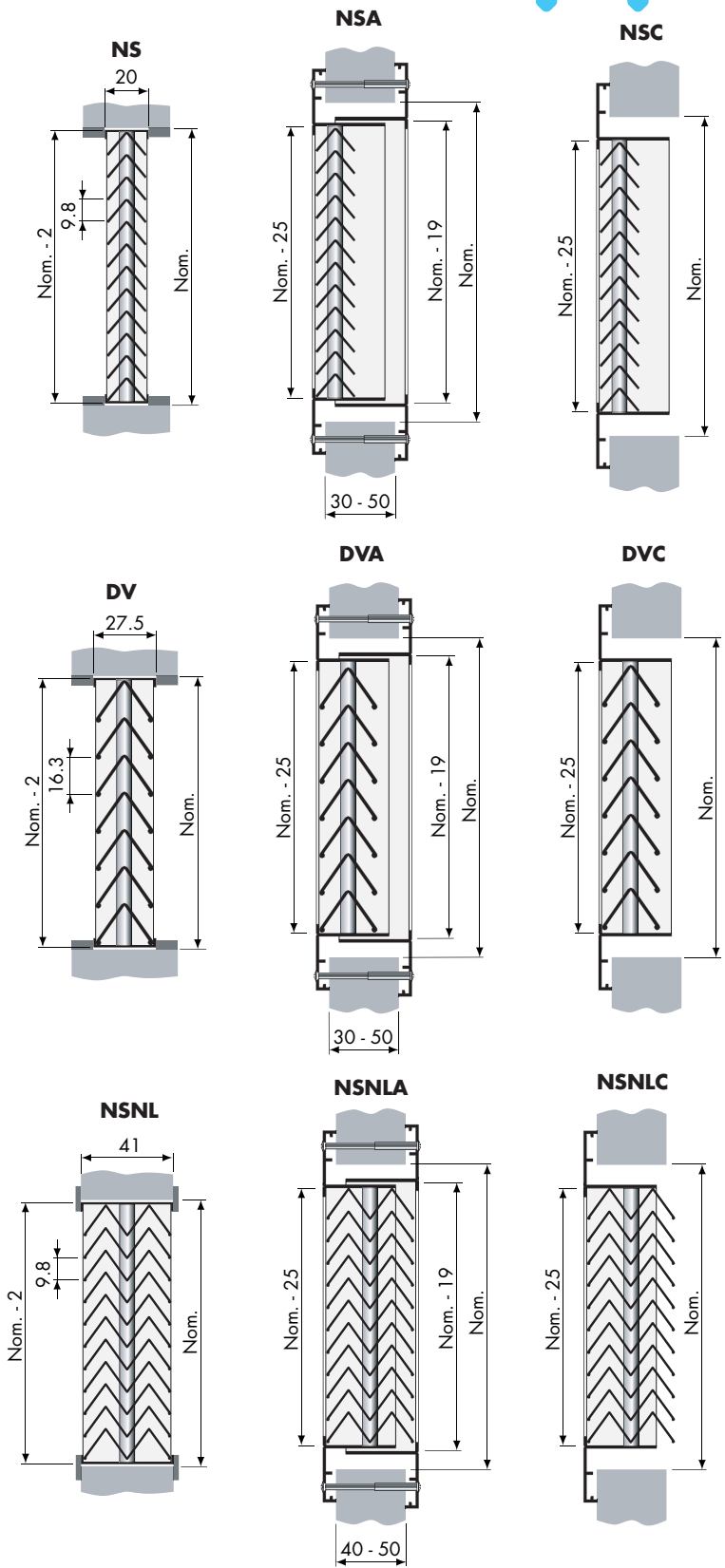
- NS/DV PPM9006 (RAL 9006 Matt Silver)
- PPM9010 (RAL 9010 20% Gloss White)
- PPG9010 (RAL 9010 Gloss White)
- NSNL PPG9005 (RAL 9005 Matt Black)
- Other colours or anodised finish available on request

Weights

- NS 16 kg/m² face area
- DV 19 kg/m² face area
- NSNL 29 kg/m² face area

Sizes

Minimum size - 100 x 100mm
 Maximum single section - 1200 x 550mm



Order Example

NSA/300x300/PPM9010/R25/SF

Type

Nominal Width

Nominal Height

Finish

Border

Fixing

Fixings

See page 41 for details

Suffix C SF only
 Suffix A PSF
 SF

All others have no fixing (NF)

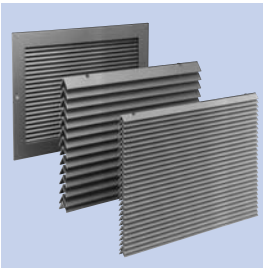
Free Area

NS NSA NSC	DV DVA DVC	NSNL NSNLA NSNLC
41%	41%	34%



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Selection Criteria

NC LEVEL is sound pressure level/Noise Criteria Curve based on a room absorption of 8dB for sound power L_w ref $10^{12}W$.

Selection Example

300 x 250 Grille Supplying 200 l/s

NS

$P_s = 10Pa$ NC23

DV

$P_s = 13Pa$ NC23

NSNL

$P_s = 23Pa$ NC27

Performance Nomogram

