



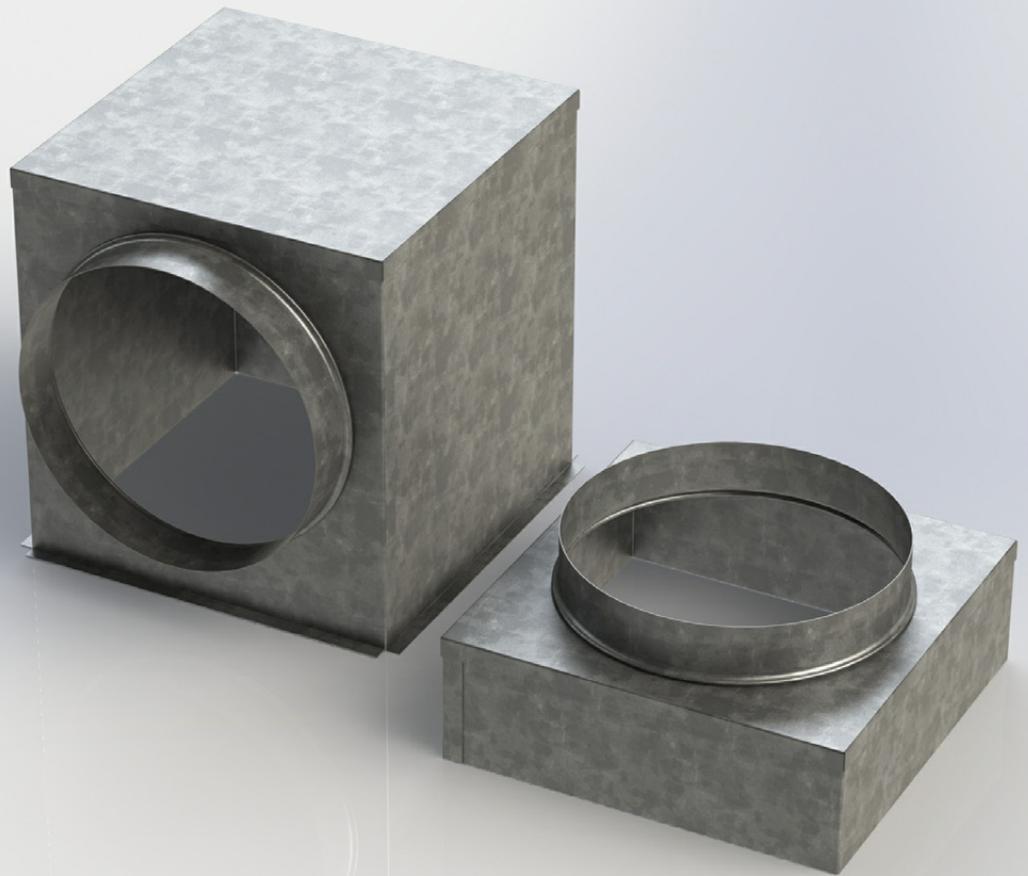
Incorporating



Ancillaries

Series PB
Plenum boxes

- Standard ductwork to terminal connection used in countless installations
- Side and top entry variants
- Fire rated units available
- Galvanised steel as standard, aluminium or stainless steel optional



Series PB

Plenum boxes are one of the basic components of any ventilation system, providing the link between ductwork and terminal.

Constructed from galvanised steel as standard, we can also manufacture plenums in stainless steel or aluminium if required.

A comprehensive range of options is available to enhance functionality or aid fitting including:

- **Fire rating** - By increasing the material thickness to 1.2mm and installing a 120 minute rated intumescent fire damper (not available with aluminium boxes).
- **Lining** - For both thermal and acoustic performance, plenum boxes can be internally lined with 10mm pyrosorb type foam insulation. This can help to reduce cross-talk between rooms, absorb noise from fans or other machinery, and also thermally line the box to help avoid any problems with condensation.
- **Drop rod fixings** - Spot welded, pre-punched angle brackets to accept drop rods can be factory fitted, making installation quick and simple.



Design features

Material	Standard: 0.8mm or 1mm galvanised steel - thickness used will be based on size of box
	Optional: Stainless steel (grades 430, 304 and 316 available)
	Aluminium
Construction	CNC press brake folded
	Any joints spot welded
	Spigot swaged and fully sealed
Fixings	Standard: None
	Optional: Drop rod brackets
Finish	Bare metal

Quality assurance

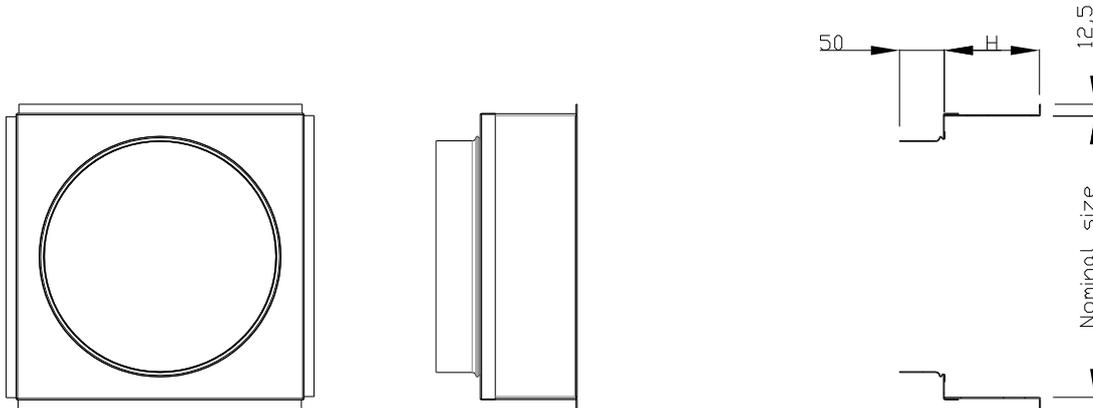
HVC Supplies (Stourbridge) Ltd is an ISO 9001:2008 accredited company.



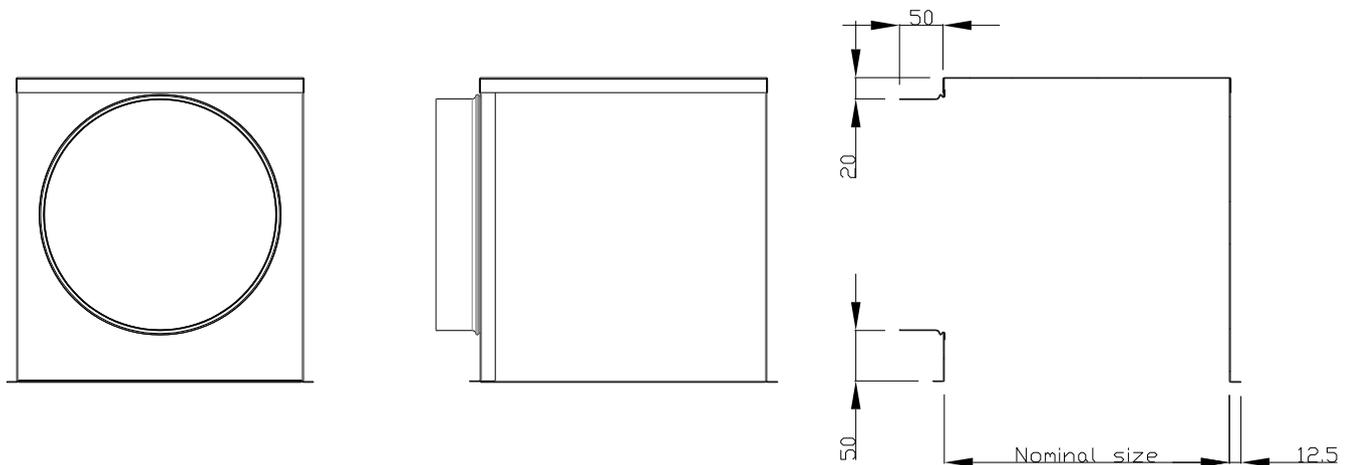
Assessed to ISO 9001:2008
Cert/Ref No. 1186

Technical drawings

TEPB - Top entry plenum box



SEPB - Side entry plenum box



12.5mm flanges shown are used on boxes to suit all terminal series' except CD and PPD.

TEPB: Dimension H is 100mm as standard, 200mm or 300mm heights are optional.

Fire rated plenum boxes

With the addition of a 120 minute rated intumescent fire damper and the use of 1.2mm galvanised or stainless steel, fire rated variants of both top and side entry plenum boxes can be supplied.

Please note: Box dimensions will vary slightly from those shown above to accommodate the fire damper. Please contact the HVC technical department for more information.

Finish

Bare metal



Ordering codes

Example

1 - 450 x 450 - SEPB - SS316 - ECG - 2C x 200 dia - DR - SBD - INS

Codes

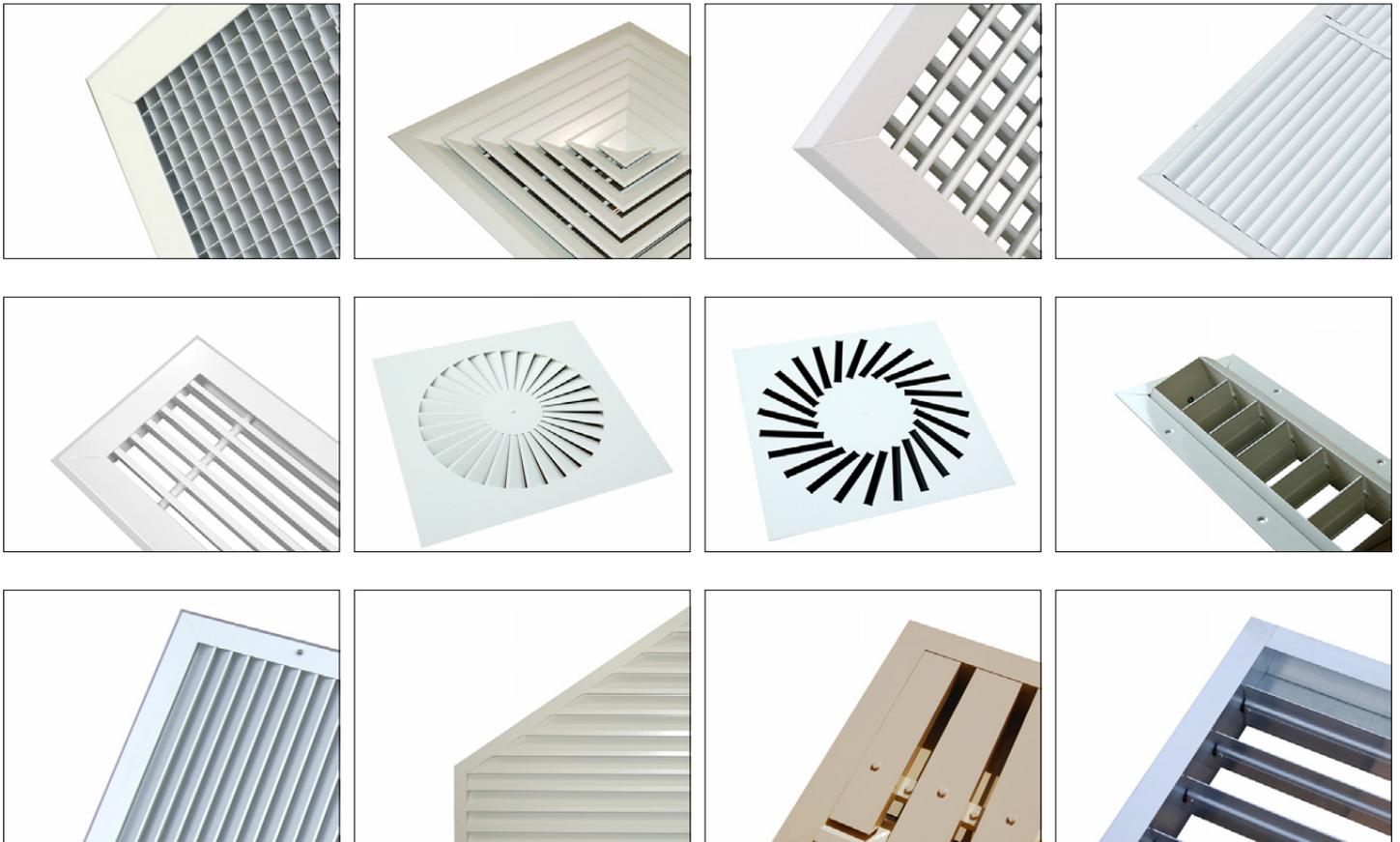
1)	Quantity		
2)	Size (mm)	(Width x height)	Nominal size of grille/diffuser/louvre the box is to be used with
3)	Series	SEPB TEPB FR - SEPB FR - TEPB	Side entry plenum box Top entry plenum box Side entry plenum box - Fire rated Top entry plenum box - Fire rated
4)	Material	<i>*nothing*</i> SS430 SS304 SS315 Alu	Galvanised steel (standard) Stainless steel grade 430 Stainless steel grade 304 Stainless steel grade 316 (marine spec) Aluminium
5)	To suit series		State the grille/diffuser/louvre series the box is to be used with
6)	Number of spigots	1 2C 2OP	1 spigot 2 spigots, adjacent sides (SEPB only) 2 spigots, opposite sides (SEPB only)
7)	Spigot size	(Width x height) or (diameter)	State required width x height State required diameter
8)	Drop rod brackets	DR	Drop rod brackets fitted
9)	Volume control damper	SBD	Single blade damper mounted in the spigot/s
10)	Insulation	INS	Thermally and acoustically insulated

HVC & NCA products

HVC offer the significant advantage of manufacturing both in duct and duct terminal equipment, making us a one stop shop for all your HVAC needs.

The products shown below are a selection, not an exhaustive list. Go to www.h-v-c.com for details on all HVC and NCA products.

HVC: Grilles, Diffusers, Louvres and Volume Control Dampers



NCA: Fire and Volume Control Dampers





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HVC Supplies (Stourbridge) Ltd
Jason House
Amblecote
West Midlands
DY8 4EY
United Kingdom

Tel: +44 (0)1384 376555
Fax: +44 (0)1384 392555

sales@h-v-c.com

www.h-v-c.com

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