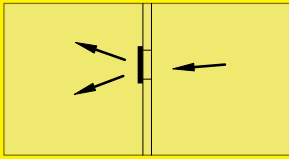


Pressure regulating dampers

PRESSURE REGULATING DAMPERS

introduction



The PRV pressure regulating damper is designed for use either as a differential room pressure controller or as a non return exhaust valve and is suitable for vertical mounting in partitions and walls.

The units can be sized to regulate room pressures against a design air flow rate, but can also be adjusted after installation using the balance weights to give a range of operating pressures.

The PRV can also be used in conjunction with other Brooke Air products such as weather louvres for external applications or any of the grille range where architectural requirements need to be considered.



type

PRV

options

For all additional available options, border styles, fixings, finishes and plenums see document **PART L**

fixings

Standard fixing method is by countersunk screw through the flange - SC

finish

Standard finish is satin anodised aluminium - SAA

sizes

Pressure regulating dampers are available in sizes ranging from 150mm x 150mm up to a maximum of 1000mm x 1000mm in a single section. Larger sizes can be supplied with mullion sections.

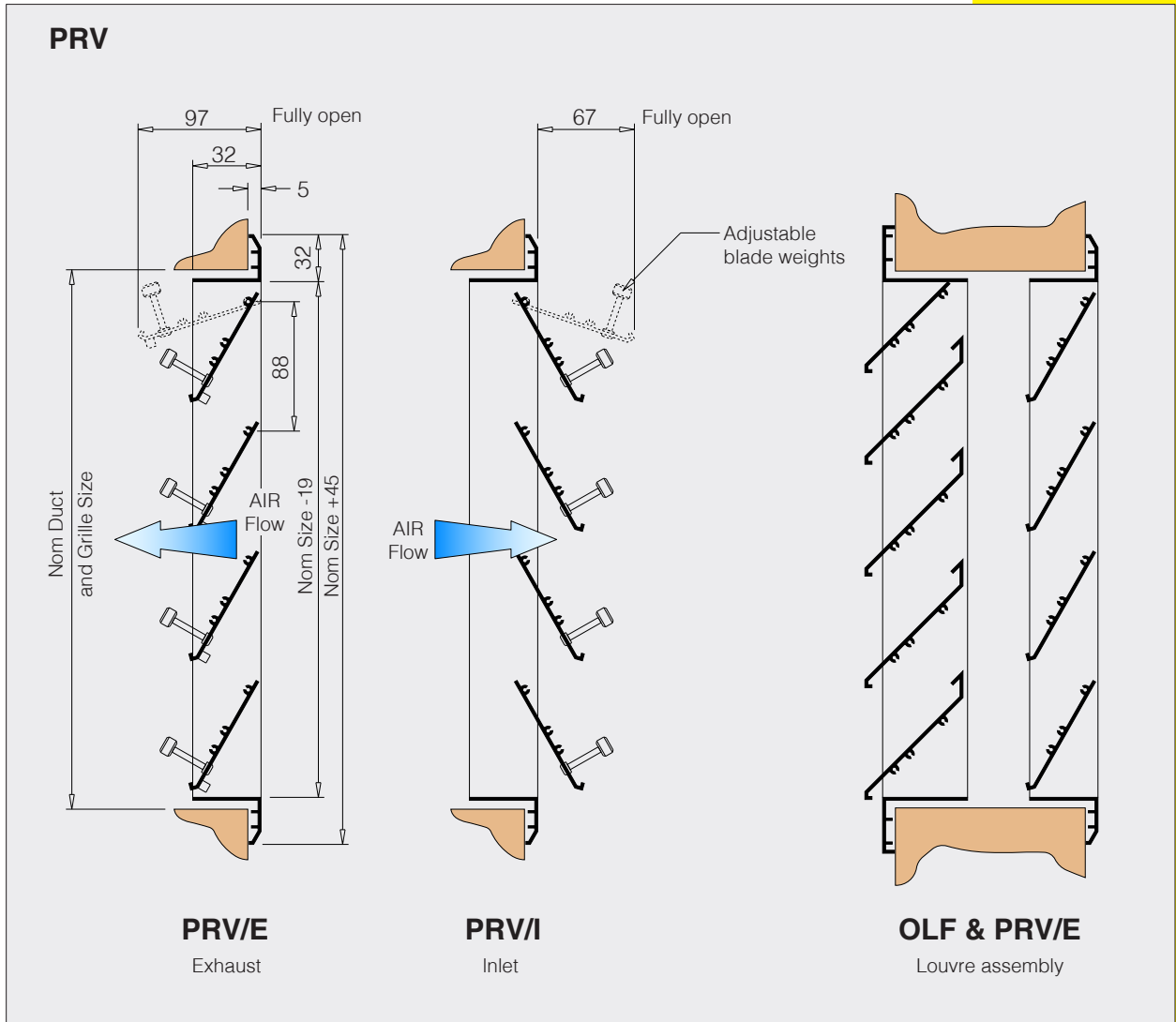
ordering details

example:

<u>type</u>	<u>borders</u>	<u>fixing</u>	<u>finish</u>	<u>width</u>	<u>height</u>	<u>quantity</u>
PRV/I	/ 32	/ SC	/ SAA	/ 600	/ 600	/ 6

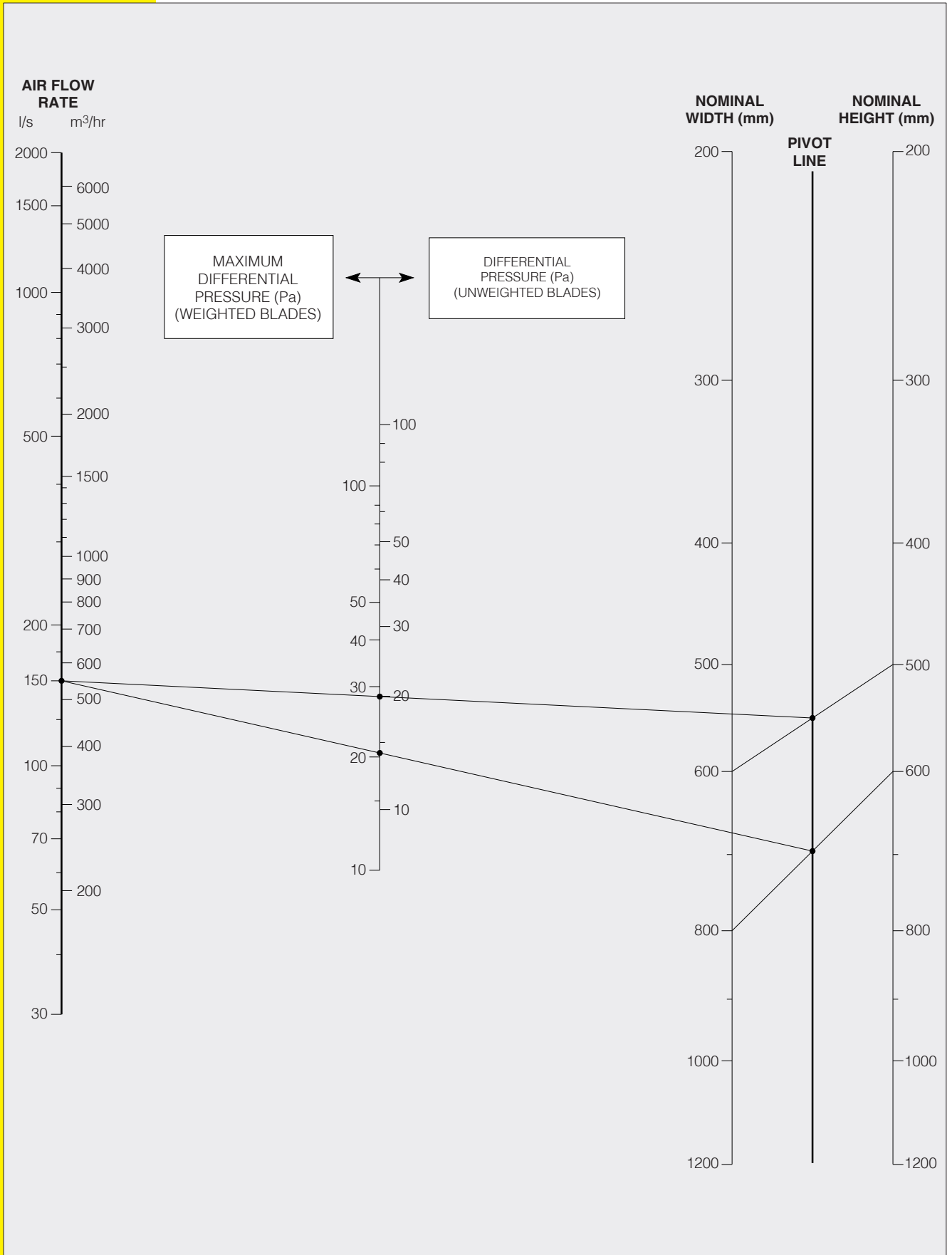
Pressure regulating dampers

DIMENSIONS



Pressure regulating dampers

SELECTION NOMOGRAM



Pressure regulating dampers

SELECTION EXAMPLE

Select a PRV Damper with and without Blade Weights to give a differential pressure of 20Pa at an air flow rate of 150l/s.

UNWEIGHTED = 600mm x 500mm

WEIGHTED = 800mm x 600mm

selection
example