



PRD *Pressure Relief Damper*





Introduction

Pressure relief damper is used to relieve built-up pressure in HVAC system to prevent damage to other components, or to allow pressure for the area to be regulated- to control air movement or Omitting the two closing and counter acting weights system, PRDS series utilizes singular adjustable closing weight to perform the pressure relieving function.

CONSTRUCTIONS & MATERIALS

- Parallel blade action
- Available in vertical and horizontal configuration
- Damper sectioning:
 - i) Length < 625 = none
 - ii) 650 < Length < 1225 = 1 sections
 - iii) 1250 < Length < 1800 = 2 sections

Frames Construction



Galvanized Steel

Blade Construction



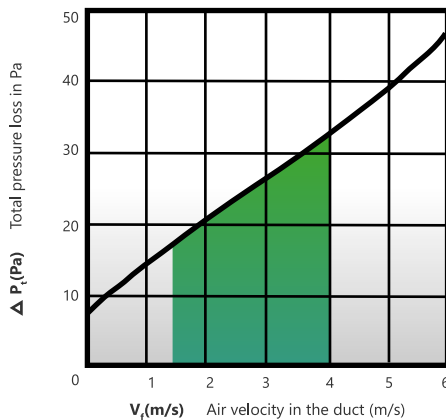
Aluminium
(For length < 600mm)



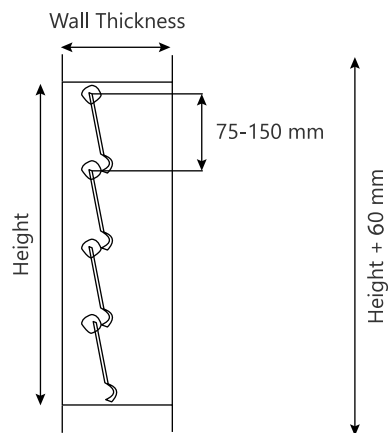
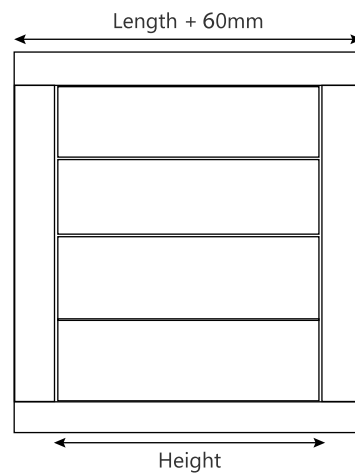
Galvanized Steel
(For length > 600mm)

PERFORMANCE STANDARD

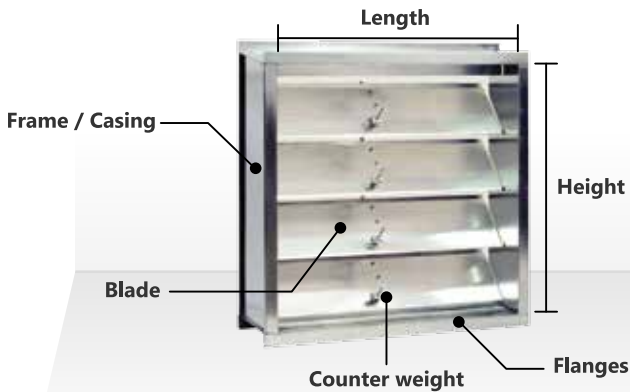
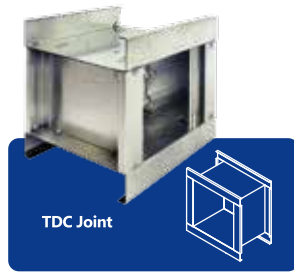
TOTAL PRESSURE DROP



DIMENSIONS



JOINING METHODS



Notice :

Damper size would be fabricate as exact neck size

PRD TECNICAL SPECIFICATION

Casing Assembly

- 0.7mm – 1.0mm thick casing sections. Casing section to be welded externally with welding beads to be ground flush. Multiple modular to be provided for damper larger than 1000mm width x 1000mm height. Standard wall thickness to be 150mm, unless otherwise stated.
- Standard joining method to be in TDC joint, unless otherwise stated.
- Material provided to be galvanized steel, unless otherwise stated.

Damper Blade Assembly

- 0.5mm single skin configuration. The individual blade to be in single V-grooves design. Blade operation to be of Parallel Blade configuration. 6mm galvanized steel full length shaft to be provided for each blade section.
- Adjustable counter weight to be installed at every single blade for on-site adjustment purpose.
- Material provided to be galvanized steel, unless otherwise stated.

Linkage Cover & Side Seals

- 1.0mm pre-formed angles to be welded to the damper casing assembly to provide both blade stop and sealing functions.
- Material provided to be galvanized steel, unless otherwise stated.








Finishing

- Damper assembly to be in natural finish of the material.



PRD | Pressure Relief Damper

Products Range

- Grilles 
- Diffusers 
- Dampers 
- Fire & Smoke Protection 
- VAV 
- Others 
- Accessories 



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