



AIRFLOW AC

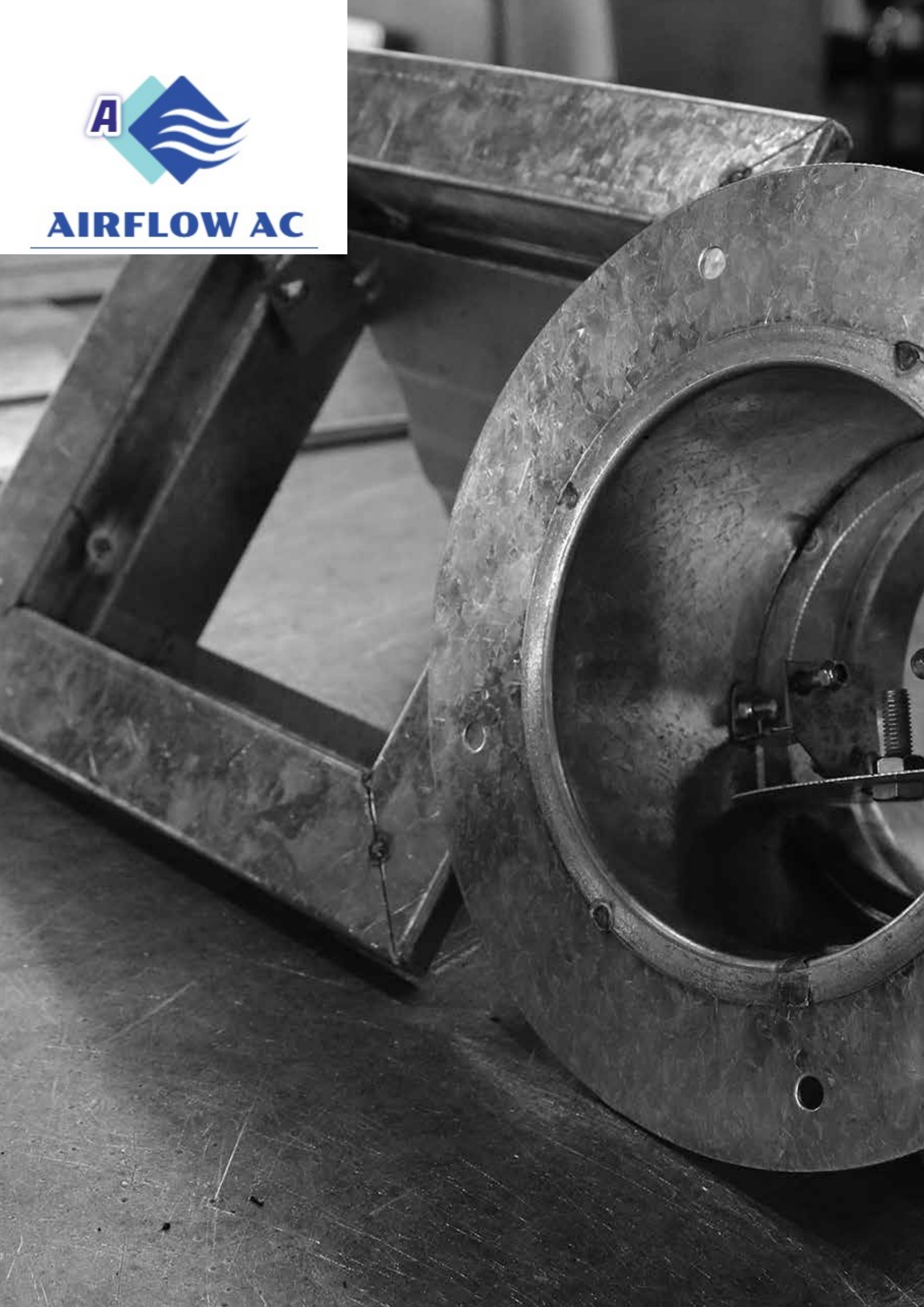
PRESSURE RELIEF DAMPERS

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WALL MOUNTED PRESSURE RELIEF DAMPER



PRD 50 - 100

PRD Series



Description

Pressure relief dampers are used in intake and discharge openings in commercial and residential ventilation systems. When the ventilation system is on, the blades of the pressure relief damper are held in the open position by the airflow. If the system is switched off, the damper blades close automatically, thus preventing reverse airflow and giving protection against the ingress of untempered air, rain and birds into the ventilation system.

Standard Construction

- Frame:**
Gauge 18 (1.2mm thick) formed galvanized steel sheet.
- Blades:**
100mm maximum width, 0.75mm thick mill finish aluminum sheet. Sealing strip on blades in foam gasket.
- Linkage:**
Galvanized steel sheet 28mm x 22 Gauge.
- Bearing:**
Bearing section in plastic, 6mm diameter.
- Shaft:**
Blade stub shafts in brass.

- Minimum Size:**
100mm x 100mm (4in x 4in).
- Maximum Size:**
700mm x 1000mm (W x H) as single section without mullion.
2000mm x 2000mm (W x H) as single section with horizontal and vertical mullions.
- Consult SAFID for multiple section assembly details.**
- PRD 50 - 110**
General construction as type PRD 50 - 100 damper but frame and blades are all from mill finish aluminum sheets.
- PRD 50 - 120**
General construction as type PRD 50 - 100 damper but frame and blades are all from galvanized steel sheets construction with counter weight.
- PRD 50 - 130**
General construction as type PRD 50 - 100 damper but with frame built of stainless steel sheet type 304, 2B finish.



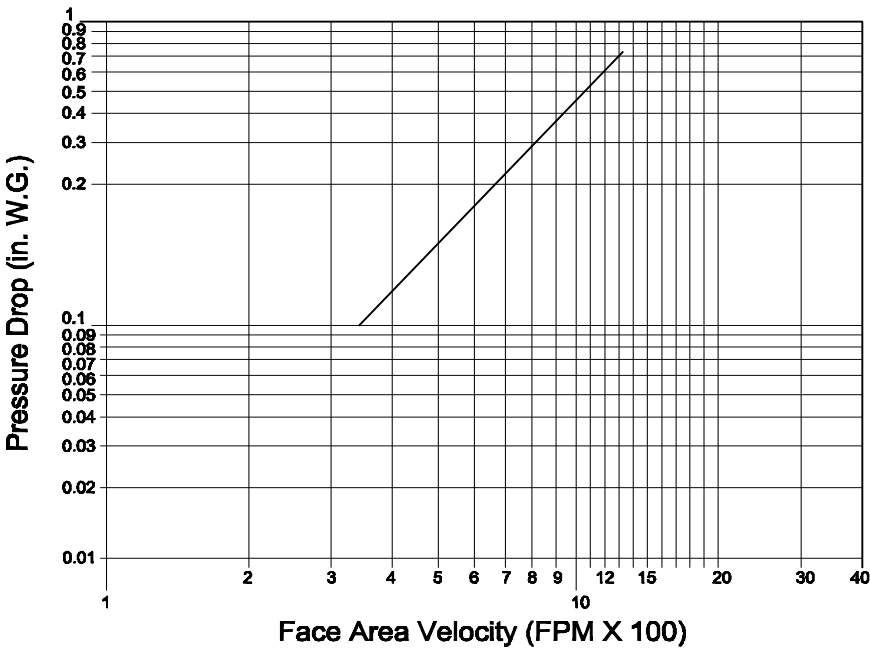
WALL MOUNTED PRESSURE RELIEF DAMPER

PRD 50 SERIES [PRD 50 - 100, PRD 50 - 110, PRD 50 - 120, PRD 50 - 130]

Air Performance

Pressure Drop

Intake Airflow Direction
PRD 50 - 100



WALL MOUNTED PRESSURE RELIEF DAMPER

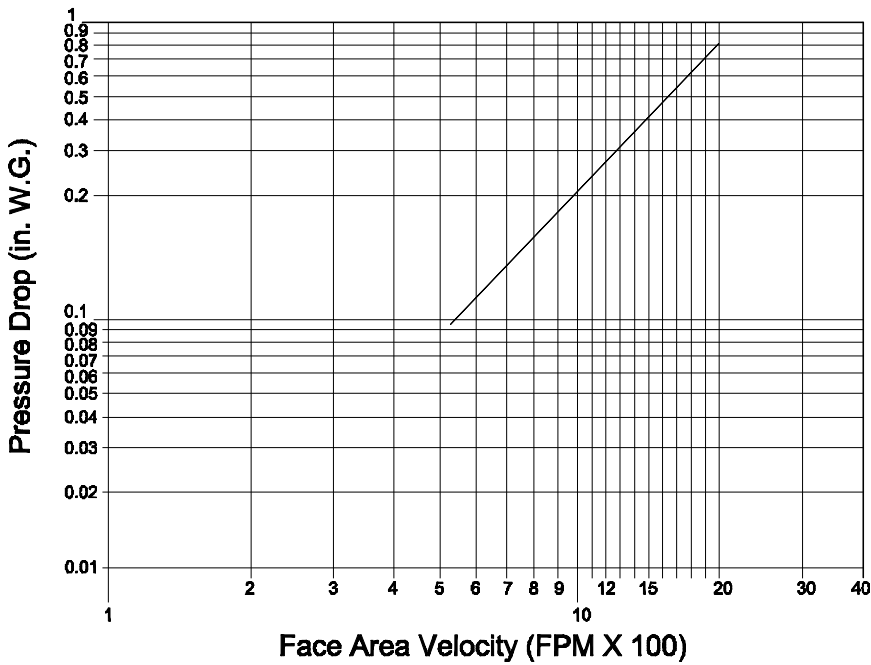
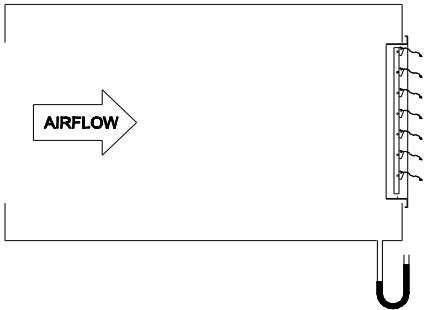


PRD 50A SERIES [PRD 50A - 100, PRD 50A - 110, PRD 50A - 120, PRD 50A - 130]

Air Performance

Pressure Drop

Intake Airflow Direction
PRD 50A - 100



WALL MOUNTED PRESSURE RELIEF DAMPER

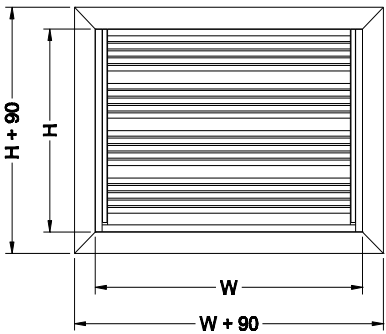
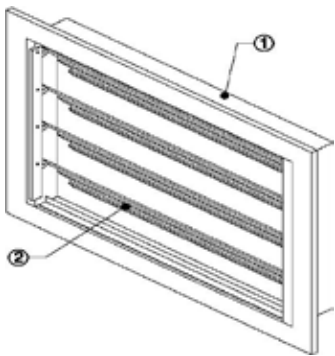
PRD 50 SERIES [PRD 50 - 100, PRD 50 - 110, PRD 50 - 120, PRD 50 - 130]

Construction: Dimension and Details

1 - Casing 2 - Blades 3 - Bearing Section 4 - Linkage 5 - Sealing Strip

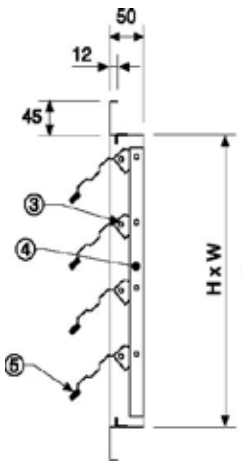
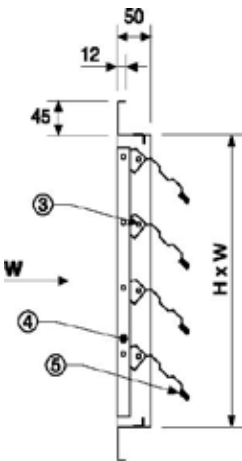
PRD 50

PRD 50 - 100, 110, 120, 130



PRD 50 - 100, 110, 120, 130

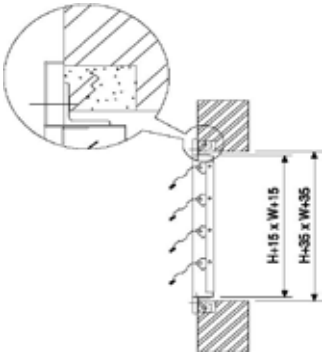
PRD 50A - 100, 110, 120, 130



PRODUCT DETAILS



Installation Details



Standard Sizes

Width (mm)	Height (mm)
100	100
100	200
150	300
200	400
250	500
300	600
350	700
400	800
450	900
500	1000
600	1200
700	1300
800	1400
900	1500
1000	1600
1200	1700

Order Reference Details

Order Example:

Product Type: PRD-50-100 - aaa x aaa

- PRD 50 - 100
- PRD 50 - 110
- PRD 50 - 120
- PRD 50 - 130
- PRD 50A - 100
- PRD 50A - 110
- PRD 50A - 120
- PRD 50A - 130

Sizes

Standard

Make : SAFID

Type : PRD 50 - 100 - 500 x 500

Type : PRD 50A - 100 - 500 x 500

Specifications

Pressure relief dampers are used for intake and discharge openings in ventilation systems to prevent reverse airflow and for protection against ingress of rain into ventilation systems. Basically the frame is built of galvanised steel (standard) or aluminum and corrugated aluminum blades (standard) with blade seals opening and closing automatically.



WALL MOUNTED PRESSURE RELIEF DAMPER

PRD 40 -100

PRD Series



Description

Pressure relief dampers are used in intake and discharge openings in commercial and residential ventilation systems. When the ventilation system is on, the blades of the pressure relief damper are held in the open position by the airflow. If the system is switched off, the damper blades close automatically, thus preventing reverse airflow and giving protection against the ingress of untempered air, rain and birds into the ventilation system.

Standard Construction

Frame:

Gauge 18 (1.2mm thick) formed galvanized steel sheet.

Blades:

100mm maximum width, 1.5mm thick extruded aluminum profile. Sealing strip on blades in foam gasket.

Linkage:

Galvanized steel sheet 15mm x 20 Gauge.

Bearing:

Bearing section in brass, 12mm diameter.

Shaft:

Blade stub shafts in plastic, 6mm x 6mm square.

Minimum Size:

150mm x 100mm (6in x 4in).

Maximum Size:

1000mm x 1000mm (W x H) as single section without mullion.
2000mm x 2000mm (W x H) as single section with horizontal and vertical mullions.

Consult SAFID for multiple section assembly details.

PRD 40 - 110

General construction as type PRD 40 - 100 damper but frame is from mill finish aluminum sheets.

PRD 40 - 120

General construction as type PRD 40 - 100 damper but with counter weight.

PRD 40 - 130

General construction as type PRD 40 - 100 damper but with frame built of stainless steel sheet type 304, 2B finish.

WALL MOUNTED PRESSURE RELIEF DAMPER

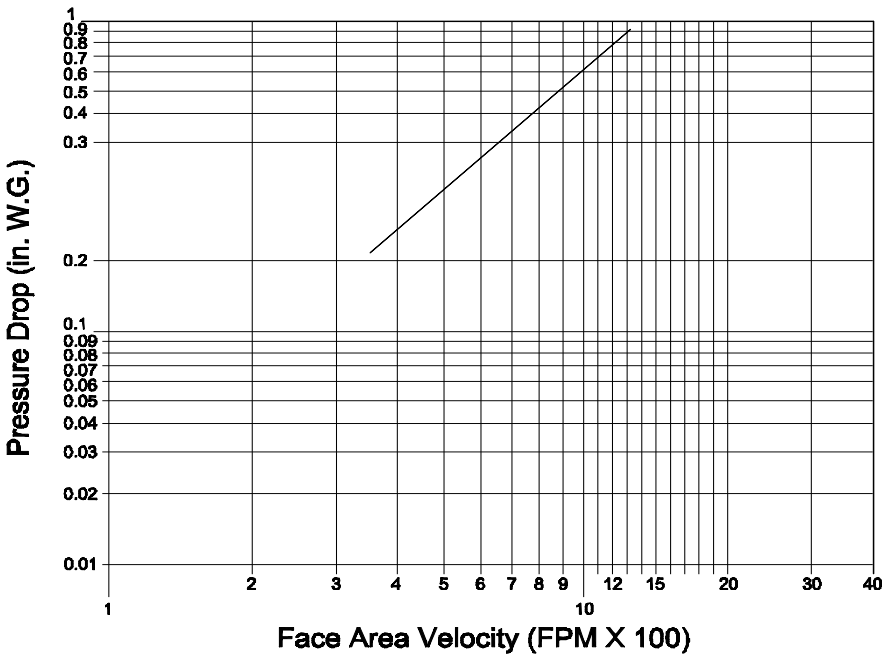
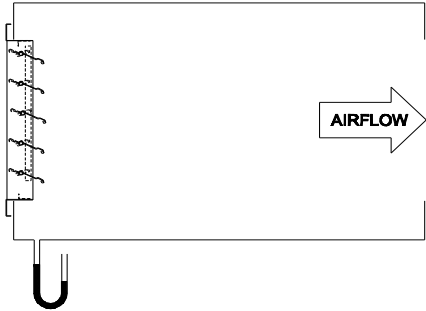


PRD 40 SERIES [PRD 40 - 100, PRD 40 - 110, PRD 40 - 120, PRD 40 - 130]

Air Performance

Pressure Drop

Intake Airflow Direction
PRD 40 - 100



WALL MOUNTED PRESSURE RELIEF DAMPER

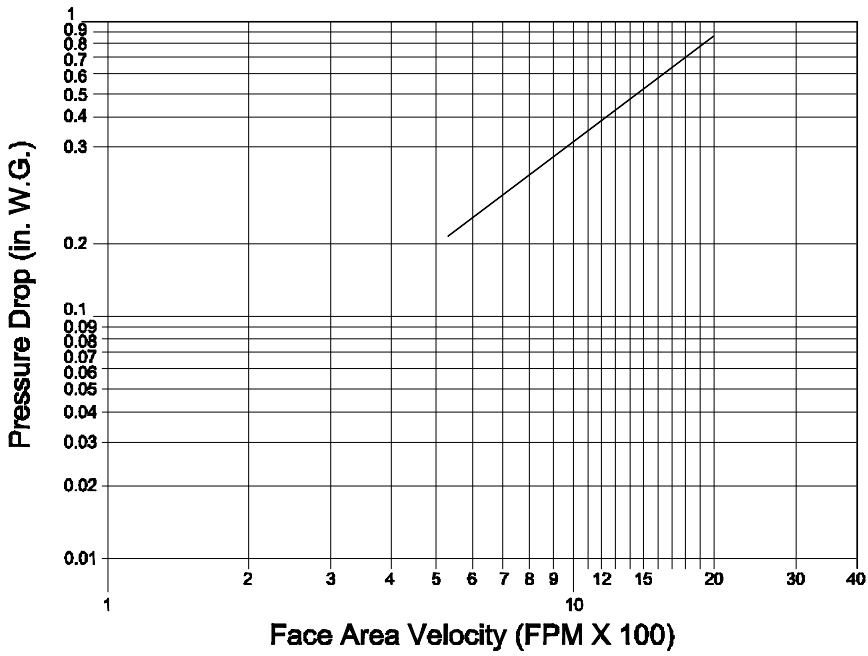
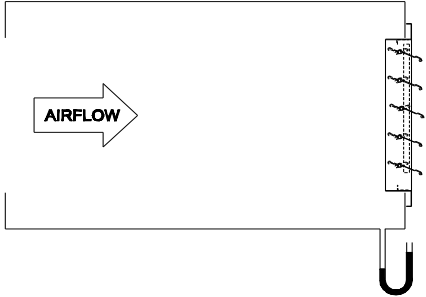


PRD 40A SERIES [PRD 40A - 100, PRD 40A - 110, PRD 40A - 120, PRD 40A - 130]

Construction: Dimension and Details

Pressure Drop

Intake Airflow Direction
PRD 40A - 100



WALL MOUNTED PRESSURE RELIEF DAMPER

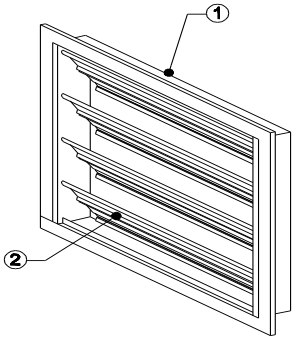


PRD 40 SERIES [PRD 40 - 100, PRD 40 - 110, PRD 40 - 120, PRD 40 - 130)

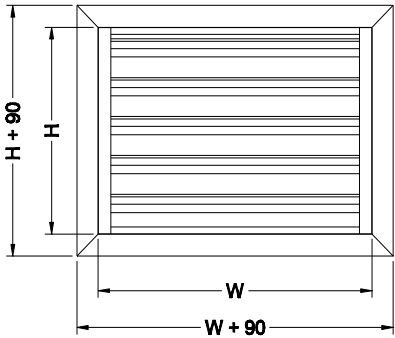
Construction: Dimension and Details

1 - Casing 2 - Blades 3 - Bearing Section 4 - Linkage (Concealed in Frame) 5 - Sealing Strip

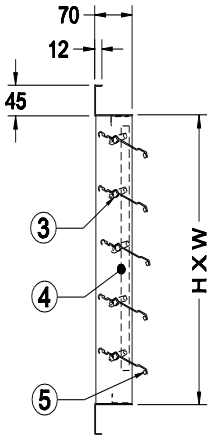
PRD 40



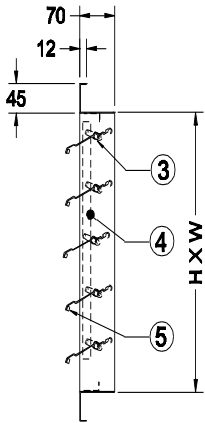
PRD 40 - 100, 110, 120, 130



PRD 40 - 100, 110, 120, 130

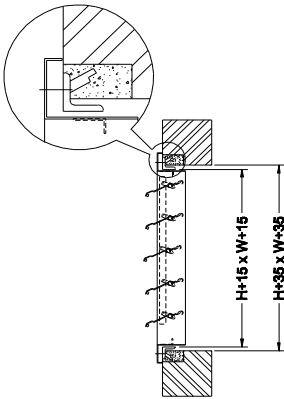


PRD 40A - 100, 110, 120, 130



PRODUCT DETAILS

Installation Details



Order Reference Details

Order Example

Product Type: PRD-40-100 - aaa x aaa

- PRD 40 - 100
- PRD 40 - 110
- PRD 40 - 120
- PRD 40 - 130
- PRD 40A - 100
- PRD 40A - 110
- PRD 40A - 120
- PRD 40A - 130

Sizes

Standard
Make : SAFID
Type : PRD 40 - 100 - 500 x 500
Type : PRD 40A - 100 - 500 x 500

Standard Sizes

Width (mm)	Height (mm)
100	100
100	200
150	300
200	400
250	500
300	600
350	700
400	800
450	900
500	1000
600	1200
700	1300
800	1400
900	1500
1000	1600
1200	1700

Specifications

Pressure relief dampers are used for intake and discharge openings in ventilation systems to prevent reverse airflow and for protection against ingress of rain into ventilation systems. Basically the frame is built of galvanised steel (standard) or aluminum and extruded aluminum blades with blade seals opening and closing automatically.

DUCT MOUNTED PRESSURE RELIEF DAMPER



PRD 30 - 100

PRD Series



Description

Pressure relief dampers, are used in intake and discharge openings in commercial and residential airconditioning systems. When the ventilation system is on, the blades of the pressure relief damper are held in the open position by the air flow. If the system is switched off, the damper blades close automatically, thus preventing reverse airflow and giving protection against the ingress of untempered air, rain and birds into the airconditioning system.

Standard Construction

Frame:
Gauge 18 ga. (1.2mm thk.) from formed channel frame galvanized steel sheet.

Blades:
100mm max. width, 0.75mm thk. mill finish aluminum sheet. Sealing strip on blades in foam gasket.

Linkage:
Galvanized steel sheet 28mm x 22 gauge.

Bearing:
Bearing section in plastic 6mm.

Shaft:
Blade stub shafts in brass.

Minimum Size:
100 × 100mm, damper up to 200mm high are single blade construction.

Maximum Size:
1000 × 1500mm, as single section.
Multiple section assembly with unlimited size, where each section operates independently.

Consult SAFID for multiple section assembly details.

PRD 30 - 110
General construction as type PRD 30 - 100 damper but frame and blades, all from mill finish aluminum sheets.

PRD 30 - 120
General construction as type PRD 30 - 100 damper but frame and blades, all from galvanized steel sheets construction with counter weight.

PRD 30 - 130
General construction as type PRD 30 - 100 damper but with frame built of stainless steel sheet type 304, 2B finish and blades built of mill finish aluminum sheets.



DUCT MOUNTED PRESSURE RELIEF DAMPER

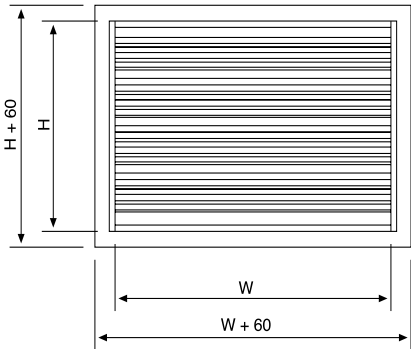
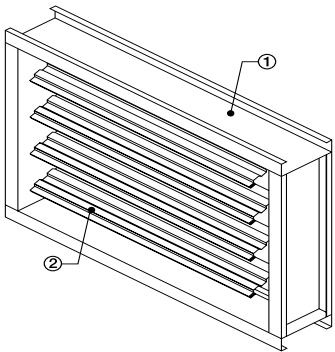
PRD 30 SERIES [PRD 30 - 100, PRD 30 - 110, PRD 30 - 120, PRD 30 - 130]

Construction: Dimension and Details

1 - Casing 2 - Blades 3 - Bearing Section 4 - Linkage 5 - Sealing Strip

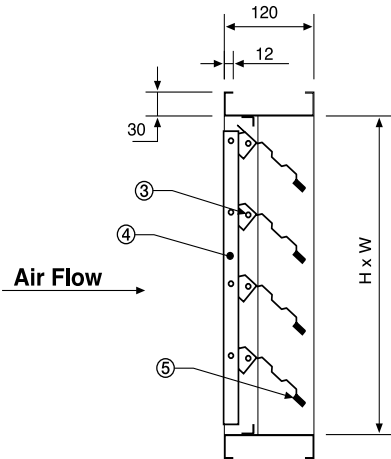
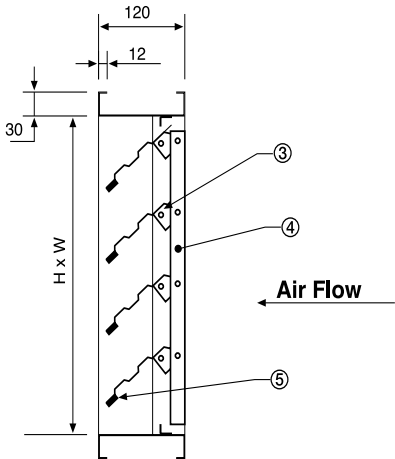
PRD 30

PRD 30 - 100, 120, 130



PRD 30 - 100

PRD 30 - 100



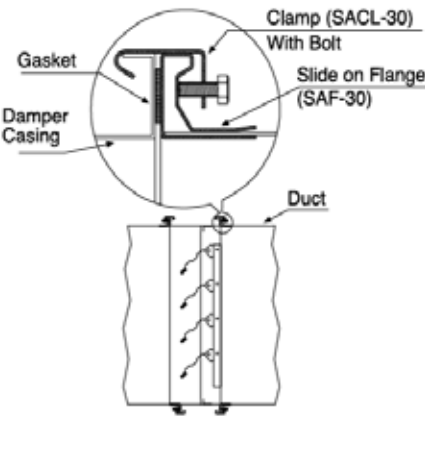
INSTALLATION DETAILS



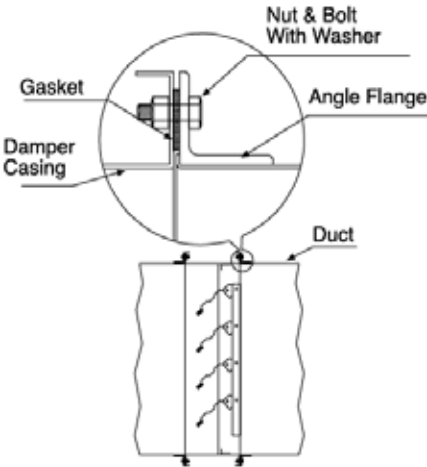
PRD 30 SERIES [PRD 30 - 100, PRD 30 - 110, PRD 30 - 120, PRD 30 - 130]

PRD 30

Flange Type

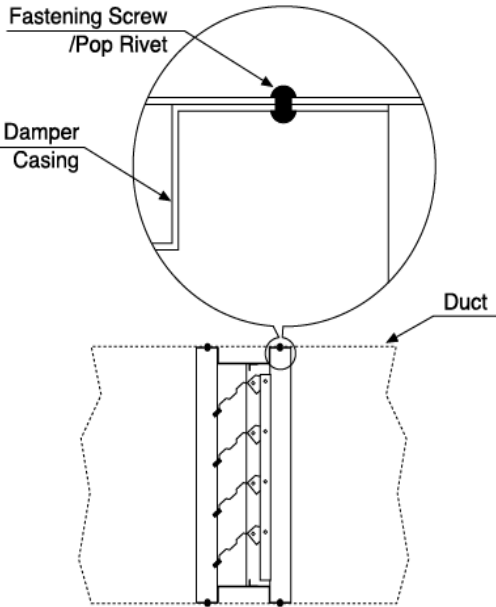


Flange Type



PRD 30

Insert Type

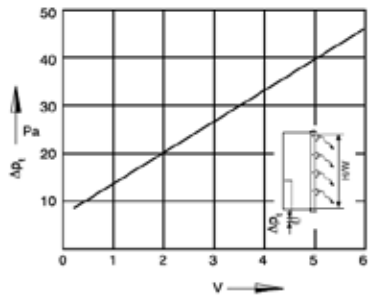


PRODUCT DETAILS

PRD 30 SERIES [PRD 30 - 100, PRD 30 - 110, PRD 30 - 120, PRD 30 - 130]

Air Performance

Pressure Loss



ΔP_t in Pa : Total pressure drop
V in m/s : Air velocity based on W x H

Order Reference Details

Order Example

Product Type: PRD-30-100 - aaa x aaa

PRD 30 - 100	
PRD 30 - 110	
PRD 30 - 120	
PRD 30 - 130	

Sizes

Standard
Make : Airflowac
Type : PRD 30 - 100 - 500 x 500
Qty : 1

Standard Sizes

Width (mm)	Height (mm)
100	100
100	200
150	300
200	400
250	500
300	600
350	700
400	800
450	900
500	1000
600	1100
700	1200
800	1300
900	1400
1000	1500

Specifications

Pressure relief dampers are used for intake and discharge openings in air conditioning systems to prevent reverse air flow and for protection against ingress of rain into airconditioning systems. Basically the frame is built of galvanised steel (standard) or aluminium and corrugated aluminium blades (standard) with blade seals opening and closing automatically.