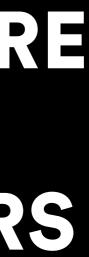


PRESSURE RELIEF DAMPERS



WALL MOUNTED PRESSURE RELIEF DAMPER



PRD Series

سافيد SAFID

PRD 50 - 100



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:

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Galvanized steel sheet 28mm x 22 Gauge.

Bearing:

Bearing section in plastic, 6mm diameter.

Shaft:

Blade stub shafts in brass.



SAFID certifies that the Pressure Relief Damper shown herein is licensed to bear the AMCA Seal for Model PRD 50-100 & PRD 50A-100. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program

The AMCA Certified Ratings Seal applies to Air Performance Ratings.

Test Information Tested for air performance in accordance with ANSI / AMCA Standard 500-L-12 (Pressure Drop), Figure 5.4.

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.



SAFID certifies that the Pressure Relief Damper shown herein is licensed to bear the AMCA Seal for Model PRD 50-100 & PRD 50A-100. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program

The AMCA Certified Ratings Seal applies to Air Performa Ratings. Test Information

Tested for air performance in accordance with ANSI / AMCA Standard 500-L-12 (Pressure Drop), Figure 5.4.

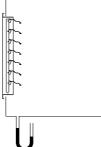
Catalog ID: PRD 50 - 100 & PRD 50A - 100, March 11, 2014

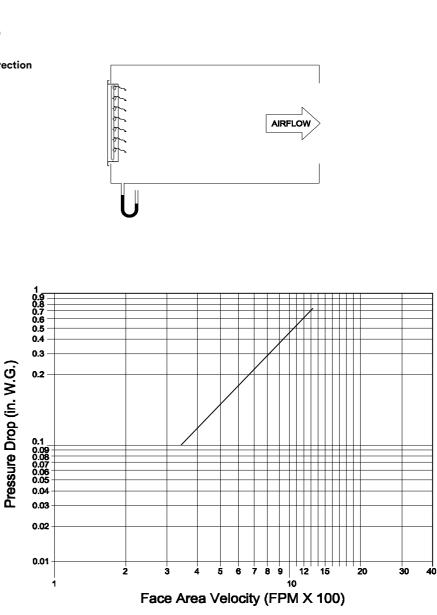
PRD 50 SERIES [PRD 50 - 100, PRD 50 - 110, PRD 50 - 120, PRD 50 - 130]

Air Performance

Pressure Drop

Intake Airflow Direction PRD 50 - 100





WALL MOUNTED PRESSURE RELIEF DAMPER

Catalog ID: PRD 50 - 100 & PRD 50A - 100, March 11, 2014

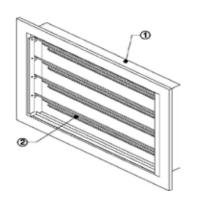


PRD 50 SERIES [PRD 50 - 100, PRD 50 - 110, PRD 50 - 120, PRD 50 - 130]

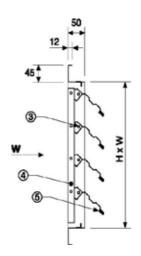
Construction: Dimension and Details

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

PRD 50



PRD 50 - 100, 110, 120, 130

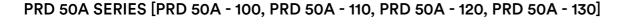




SAFID certifies that the Pressure Relief Damper shown herein is licensed to bear the AMCA Seal for Model PRD 50-100 & PRD 50A-100. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings

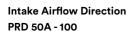
The AMCA Certified Ratings Seal applies to Air Performa

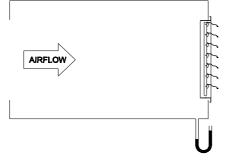
Tested for air performance in accordance with ANSI / AMCA Standard 500-L-12 (Pressure Drop), Figure 5.4.

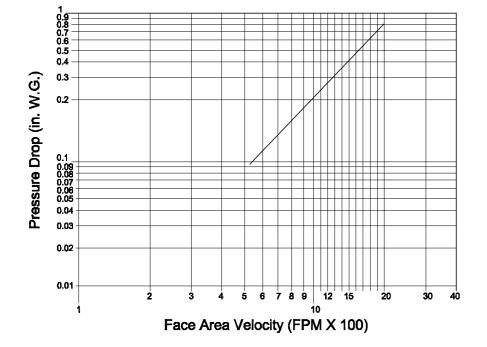


Air Performance

Pressure Drop









SAFID certifies that the Pressure Relief Damper shown herein is licensed to bear the AMCA Seal for Model PRD 50-100 & PRD 50A-100. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program

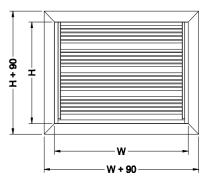
The AMCA Certified Ratings Seal applies to Air Performa Ratings. Test Information

Tested for air performance in accordance with ANSI / AMCA Standard 500-L-12 (Pressure Drop), Figure 5.4.

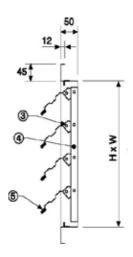
Catalog ID: PRD 50 - 100 & PRD 50A - 100, March 11, 2014

WALL MOUNTED PRESSURE RELIEF DAMPER

PRD 50 - 100, 110, 120, 130



PRD 50A - 100, 110, 120, 130



PRESSURE RELIEF DAMPERS

Catalog ID: PRD 50 - 100 & PRD 50A - 100, March 11, 2014

PRODUCT DETAILS

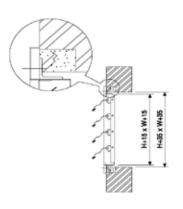




WALL MOUNTED PRESSURE RELIEF DAMPER

PRD 40 -100

Installation Details



Order Reference Details

Order Example:

Product Type:	PRD-50-100	-	aaa x aaa
	1		
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

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



SAFID certifies that the Pressure Relief Damper shown herein is licensed to bear the AMCA Seal for Model PRD 50 - 100 & PRD 50A - 100. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program.

The AMCA Certified Ratings Seal applies to Air Performance Ratings. Test Information

Tested for air performance in accordance with ANSI / AMCA Standard 500-L-12 (Pressure Drop), Figure 5.4.

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.



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.



SAFID certifies that the Pressure Relief Damper shown herein is licensed to bear the AMCA Seal for Model PRD 40 - 100 & PRD 40A - 100. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program

The AMCA Certified Ratings Seal applies to Air Performa Ratings. Test Information

Tested for air performance in accordance with ANSI / AMCA Standard 500-L-12 (Pressure Drop), Figure 5.4.

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Catalog ID: PRD 50 - 100 & PRD 50A - 100, March 11, 2014

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PRD Series



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.

S DAMPER RELIEF RESSURE Δ

Catalog ID: PRD 40 - 100 & PRD 40A - 100, March 11, 2014



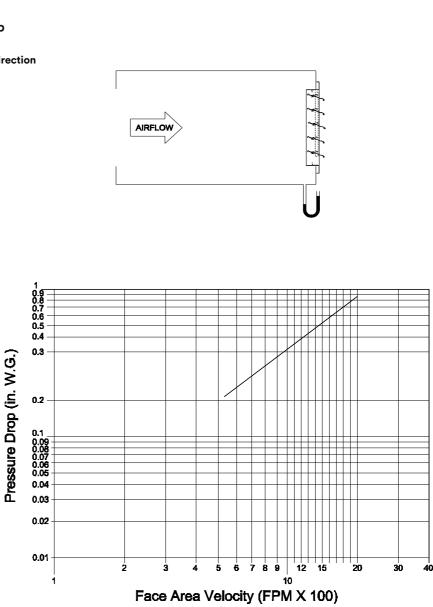
PRD 40A SERIES [PRD 40A - 100, PRD 40A - 110, PRD 40A - 120, PRD 40A - 130]

Construction: Dimension and Details

Pressure Drop

Intake Airflow Direction PRD 40A - 100



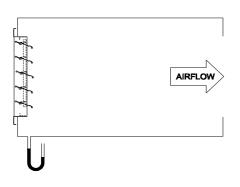


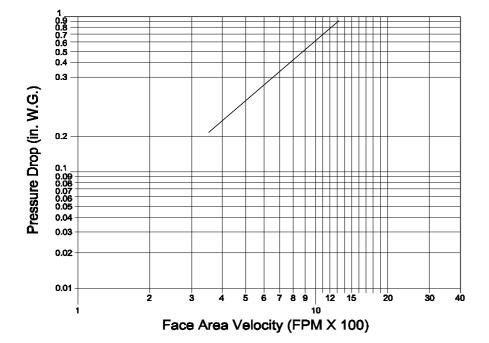
PRD 40 SERIES [PRD 40 - 100, PRD 40 - 110, PRD 40 - 120, PRD 40 - 130]

Air Performance

Pressure Drop

Intake Airflow Direction PRD 40 - 100







SAFID certifies that the Pressure Relief Damper shown herein is licensed to bear the AMCA Seal for Model PRD 40 - 100 & PRD 40A - 100. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to Air Perform

Ratings. Test Information

Tested for air performance in accordance with ANSI / AMCA Standard 500-L-12 (Pressure Drop), Figure 5.4 and 5.5.

Catalog ID: PRD 40 - 100 & PRD 40A - 100, March 11, 2014



SAFID certifies that the Pressure Relief Damper shown herein is licensed to bear the AMCA Seal for Model PRD 40 - 100 & PRD 40A - 100. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program The AMCA Certified Ratings Seal applies to Air Perform

Test Information

Tested for air performance in accordance with ANSI / AMCA Standard 500-L-12 (Pressure Drop), Figure 5.4 and 5.5.

WALL MOUNTED PRESSURE RELIEF DAMPER

Catalog ID: PRD 40 - 100 & PRD 40A - 100, March 11, 2014





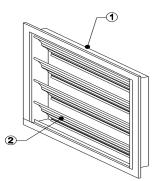
PRD 40 SERIES [PRD 40 - 100, PRD 40 - 110, PRD 40 - 120, PRD 40 - 130)

Construction: Dimension and Details

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

PRD 40

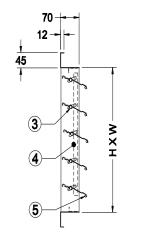
PRD 40 - 100, 110, 120, 130



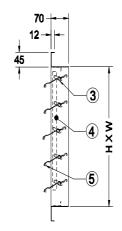
06 + H

W + 90

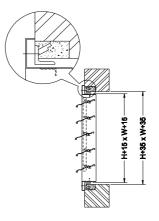
PRD 40 - 100, 110, 120, 130



PRD 40A - 100, 110, 120, 130



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

Catalog ID: PRD 40 - 100 & PRD 40A - 100, March 11, 2014

PRODUCT DETAILS

Order Reference Details

Order Example

Product Type:	PRD-40-100	-	ааа х ааа
PRD 40 - 100			
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

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.

Catalog ID: PRD 40 - 100 & PRD 40A - 100, March 11, 2014

DUCT MOUNTED PRESSURE RELIEF DAMPER



PRD Series

PRD 30

PRD 30 - 100



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

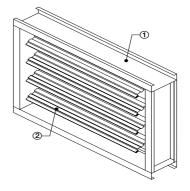
General construction as type PRD 30 - 100 damper but frame and blades, all from mill finish aluminum sheets.

PRD 30 - 120

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

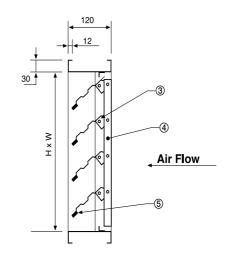
PRD 30 - 130

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.



Construction: Dimension and Details

PRD 30 - 100



DAMPERS

RELIEF

ESSURE

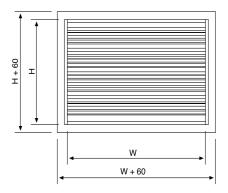
PR

DUCT MOUNTED PRESSURE RELIEF DAMPER

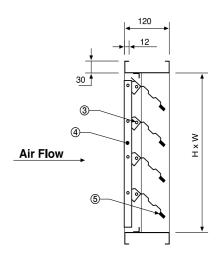
PRD 30 SERIES [PRD 30 - 100, PRD 30 - 110, PRD 30 - 120, PRD 30 - 130]

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

PRD 30 - 100, 120, 130



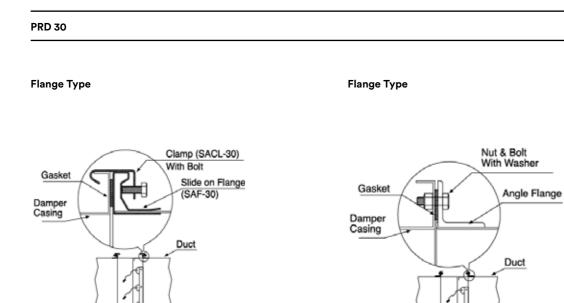
PRD 30 - 100



DAMPERS **PRESSURE RELIEF**

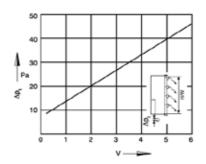


PRD 30 SERIES [PRD 30 - 100, PRD 30 - 110, PRD 30 - 120, PRD 30 - 130]





Pressure Loss

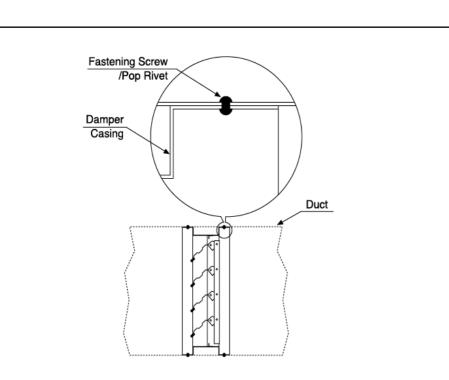


Standard Sizes

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

PRD 30

Insert Type



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

Order Reference Details		
Order Example		
Product Type: P	RD-30-100 -	ааа х ааа
PRD 30 - 100 PRD 30 - 110 PRD 30 - 120 PRD 30 - 130		
Sizes —		

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

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.

Catalog ID: PRD 30 - 100 & PRD 30A - 100, March 11, 2014