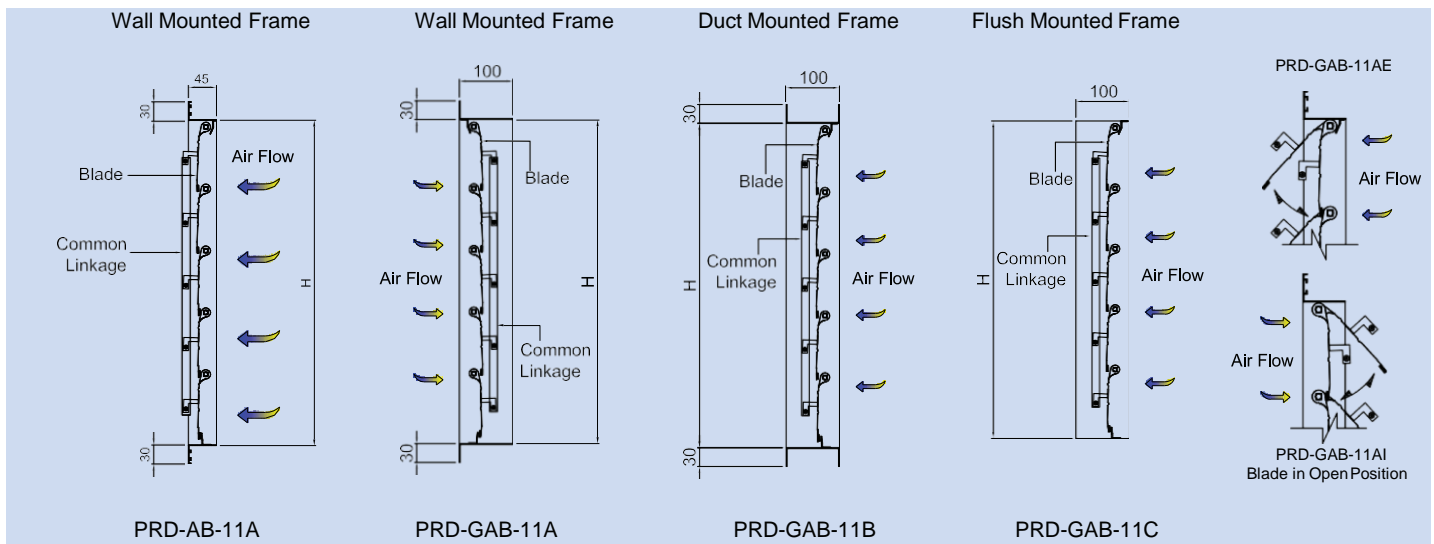


Pressure Relief Damper / Non Return Damper

B-10 Series

Model: PRD/NRD-GAB-11/12; Blade Width: 1 – Up to 100 mm; 2 – Up to 150 mm

Type : A - Wall Mounted (I - Internal ; E - External) ; B - Duct Mounted ; C - Flush Mounted



Standard Construction

Frame

0.9 mm (20 gauge) roll formed galvanized steel channel.

Blade

0.7 mm (22 gauge) roll formed aluminium.

Bushes

6 mm Ø Nylon.

Shaft

6 mm Ø Galvanized Steel.

Gasket

1.5 mm thick, 7 mm wide foam gasket.

Linkage

Common galvanized steel linkage.

Finish

Galvanized mill finish.

Mounting

Vertical.

Optional Fittings:

Limit Switches

Remote indication for damper open or close.

Brass Bushes

6 mm Ø bushes for heavy duty applications.

Transitions

Neck adaptor for round duct connections.

Counter Weight

For easy adjustment and balancing in the field.

Finish

Available with Powder coating , please specify color.

Note :

Please contact **BETEC CAD.** for customized design & additional information.

B-10 Series Model Details				
Model	Frame		Blade	
	Material	Thickness	Material	Thickness
PRD/NRD-GB-11/12A/B/C	GI	0.9mm	GI	0.7mm
PRD/NRD-GAB-11/12A/B/C	GI	0.9* mm	AL	0.7* mm
PRD/NRD-SB-11/12A/B/C	SS	0.9mm	SS	0.7mm
PRD/NRD-AB-11/12A/B/C	AL	0.9mm	AL	0.7mm

Alphabet indicates the type of installation

A - Wall Mouted.

B - Duct Mounted

C - Flush Mounted.

Optional Construction Details

Frame : Thickness up to 3 mm

Frame Depth : Up to 150 mm for Aluminium

Up to 150 mm for Galvanized/SS

Blade : Thickness up to 1.5 mm

Frame and Blade Material : Stainless Steel (304/316L)

Any Combination of W x H									
PRD/NRD-GAB-11/12									
Width in Inchs	4"	6"	10"	12"	16"	18"	24"	30"	32"
Height in inches	4"	6"	10"	12"	16"	18"	24"	30"	32"

Note:

Maximum single module construction - 800 mm x 800 mm

Multiple module available with mullion.

Selected Products of the company have been Classified / Listed / Tested by various international testing authorities.

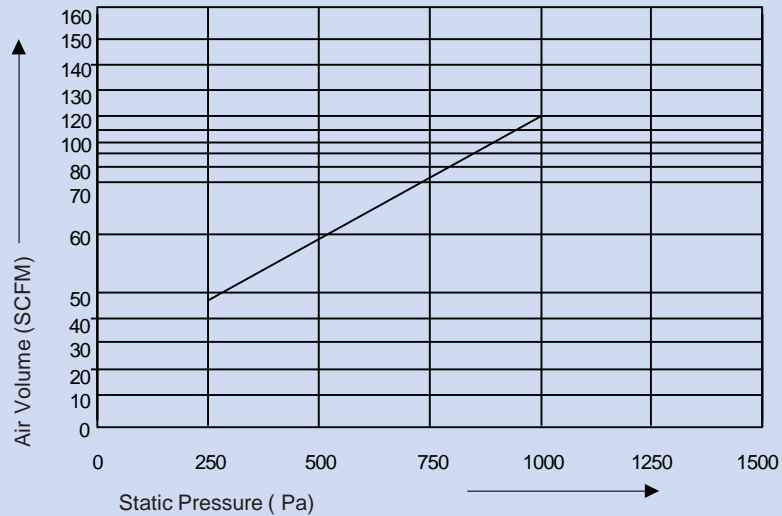


Quick selection Table				
Frame		Blade		Start to Open Pressure in. w.g
Material	Thickness (mm)	Material	Thickness (mm)	
GI	0.9	AL	0.7	0.03
GI	0.9	GI	0.7	0.08
SS	0.9	SS	0.7	0.08
AL	0.9	AL	0.7	0.03
GI	0.9	AL	0.9	0.04
GI	0.9	GI	0.9	0.1
SS	0.9	SS	0.9	0.1
AL	0.9	AL	0.9	0.04

Note: Damper size may cause start-open pressure to vary from above mentioned values.
 For specific start to open pressure and counter balance weight, please contact **BETEC CAD.**

Model: B-10 /20 / 30 Series

System Static Pressure Vs. Air Leakage



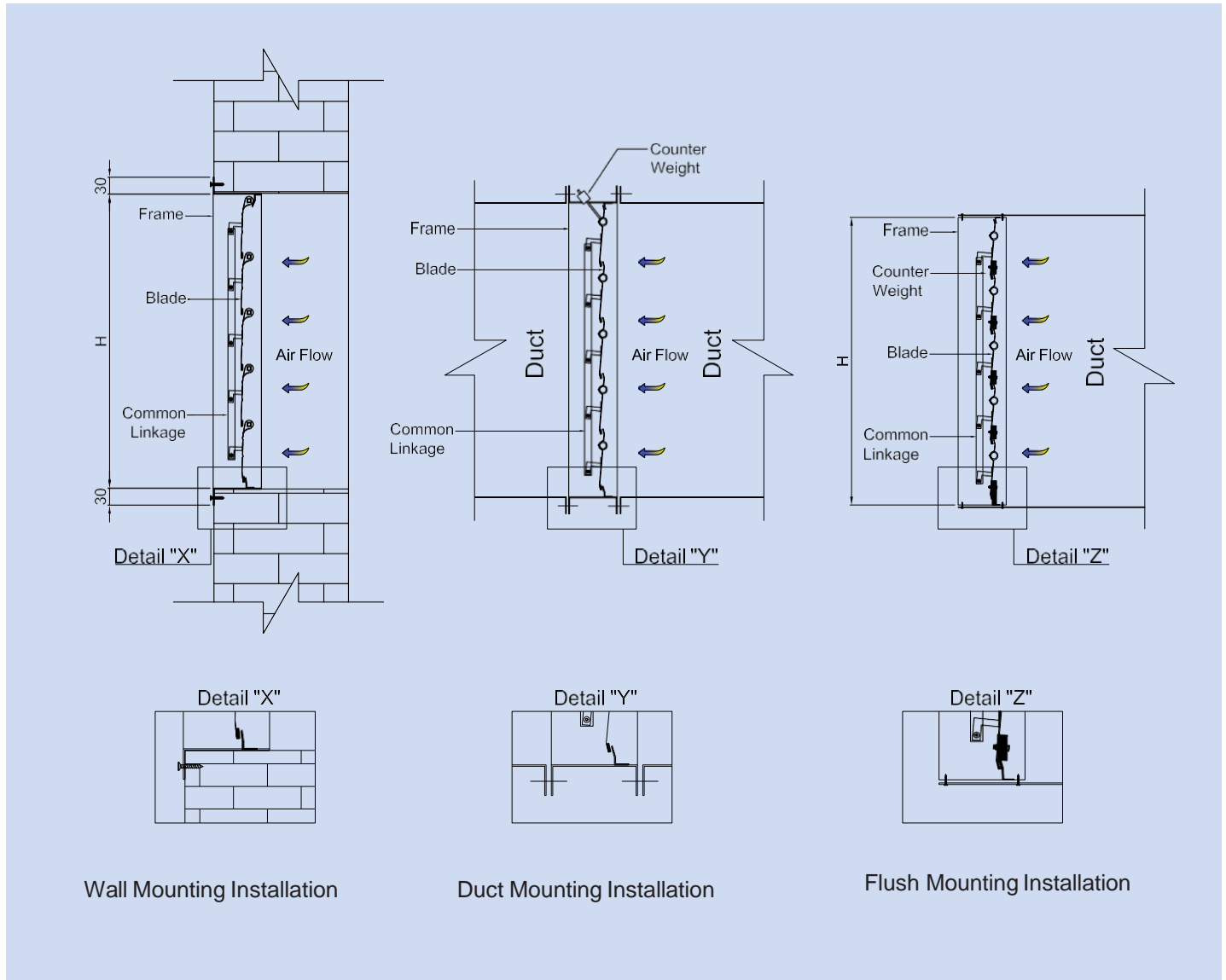
- Leakage data is based on pressure relief dampers blades in 100% closed position.
- Dampers Construction based on International standards for leakage DW 142 Class C.

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Pressure Relief Dampers

Installation Details



Wall Mounting Installation

Duct Mounting Installation

Flush Mounting Installation

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Ordering Data

PRD/ NRD - CBD - BDD	Pressure Relief Damper							
↑	G	Galvanized Steel						
	S	Stainless Steel						
	A	Aluminium						
	↑	G	Galvanized Steel					
		A	Aluminium					
		S	Stainless Steel					
	↑	↑	↑	B	BETEC CAD.			
				10	Pressure Relief Damper / Non Return Damper			
				20	Counter Balancing Damper			
		↑	↑	↑	30	Backdraft Damper		
1					Up to 100 mm			
2					Up to 150 mm			
↑					A	Wall Mounted		
	B	Duct Mounted						
	C	Flush Mounted						
PRD / NRD / CBD / BDD	X	X	B	X	X	X	PRD-GB-11A	
Frame Material	Blade Material		Series	Blade Type	Blade Operation			

Note :

- For blade type, add Series to blade type.
For example: PRD-GB-(10+1=11) A => PRD-GB-11A.
- If frame and blade material is same, use single alphabet.
Example : PRD-GB-11A where G = Galvanized frame and blade.
PRD-GAB-11A where G = Galvanized frame.
A = Aluminium blade.

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