

Series PBD PLENUM BOX

APPLICATION

KBE Plenum boxes offer high performance and flexibility for supply and exhaust of air. The PBD series are designed to provide balanced and continuous air flow to all Diffusers and Grilles.

STANDARD CONSTRUCTION

- 24 Ga (0.7mm) Galvanized steel (options available)
- Round inlet
- 15 mm Clean liner insulation. Lining is secured to plenum box by adhesive and attachment pins with covered bottom edges.

FEATURES:

- Available square dimensions "W" from (6" x 6") up to (24"x24") .
- Inlet sizes from (4" to 16") Diameters

Diffuser Size (W)	Max. Inlet Size Dia (Std)
(6"x6")	(4")
(9"x9")	(6")
(12"x12")	(10")
(15"x15")	(10")
(18"x18")	(14")*
(21"x21")	(16")*
(24"x24")	(16")*

*Refer to KBE for other Non std Max sizes

OPTIONS:

Construction:

- Galvanized: 22 Ga (0.8mm) or 20 Ga (1.0 mm)
- Aluminum: 0.8mm or 1.0 mm
- Stainless Steel 304 or 316: 0.7mm, 0.8 mm or 1.0 mm

Inlet: Oval or rectangular.

Insulation:

- Without insulation.
- 25 mm (1") Clean liner insulation.
- Other kind of insulation shall be provided upon customer request.

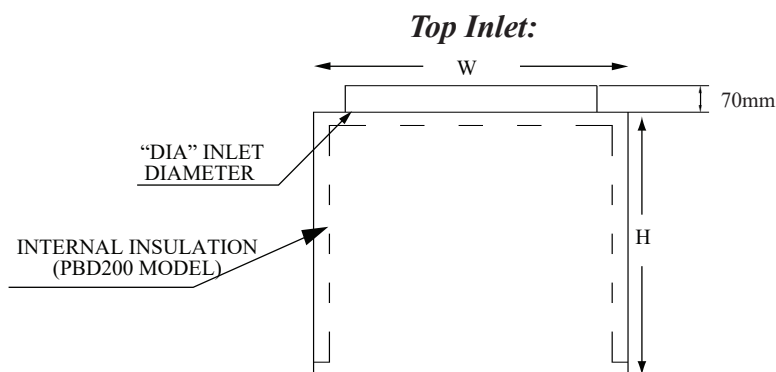
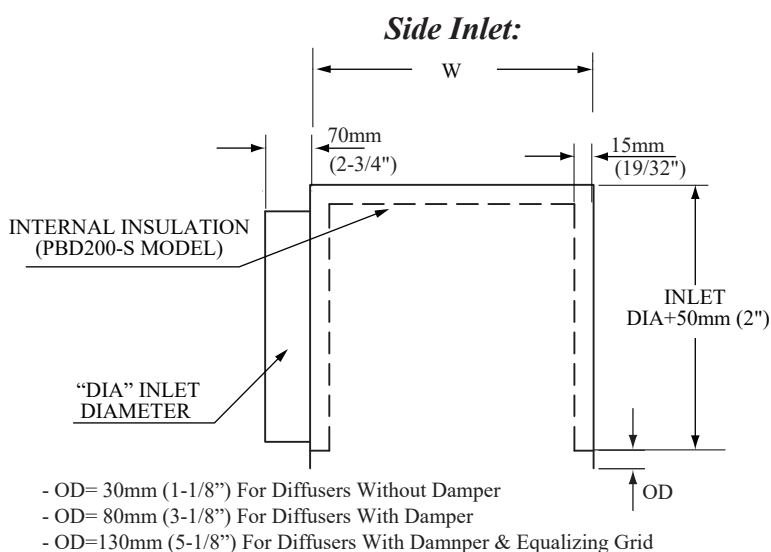
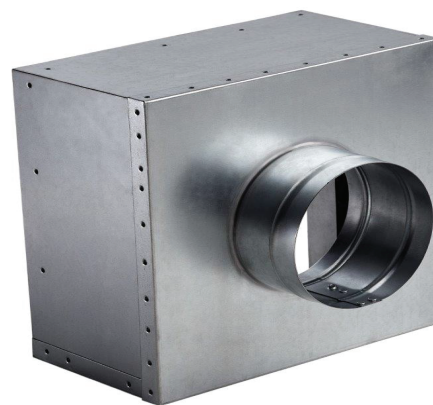
Bracket: With Plenum Mounting Bracket

With Perforated Sheet: Perforated sheet provided above insulation material

Add-ons:

- Grilles or Diffusers Without Opposed Blade Damper
- Grilles or Diffusers With Opposed Blade Damper
- Grilles or Diffusers With Opposed Blade Damper & Equalizing Grid

Volume Damper: Built-In or Shipped Loose Round Volume Control Damper



Inlet Position	Inlet DIA	Diffusers Options	PB HEIGHT(H)
TOP	<=10"	Diffusers With or W/O OBD	171 mm
TOP	>10"	Diffusers With or W/O OBD	245 mm
TOP	<=10"	Diffusers+OBD+AEG	245 mm
TOP	>10"	Diffusers+OBD+AEG	300 mm

NB: OBD= Opposed Blade Damper
AEG= Aluminum Equalizing Grid



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ORDERING INFORMATION

SERIES	CONSTRUCTION	MODEL	INSULATION THICKNESS	INLET SIDE	PERFORATED	PLENUM MOUNTING BRACKET	GRILLES & DIFFUSERS	INLET SIZE	DIFFUSER SIZE	
PBD	-	-	-	-	-	-	-	-	-	X
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Standard Maximum Inlet Size	
Size in INCH	Width
	6 " 7 " 8 " 9 " 10 " 11 " 12 " 13 " 14 " 15 " 16 " 17 " 18 " 19 " 20 " 21 " 22 " 23 " 24 "
Height	6 " 4 " 4 " 4 " 4 " 4 " 4 " 4 " 4 " 4 " 4 " 4 " 4 " 4 " 4 " 4 " 4 " 4 "
	7 " 4 " 5 " 5 " 5 " 5 " 5 " 5 " 5 " 5 " 5 " 5 " 5 " 5 " 5 " 5 " 5 " 5 "
	8 " 4 " 5 " 6 " 6 " 6 " 6 " 6 " 6 " 6 " 6 " 6 " 6 " 6 " 6 " 6 " 6 " 6 "
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	11 " 4 " 5 " 6 " 6 " 6 " 6 " 6 " 6 " 6 " 6 " 6 " 6 " 6 " 6 " 6 " 6 " 6 "
	12 " 4 " 5 " 6 " 6 " 6 " 6 " 10 " 10 " 10 " 10 " 10 " 10 " 10 " 10 " 10 " 10 " 10 " 10 "
	13 " 4 " 5 " 6 " 6 " 6 " 6 " 10 " 10 " 10 " 10 " 10 " 10 " 10 " 10 " 10 " 10 " 10 " 10 "
	14 " 4 " 5 " 6 " 6 " 6 " 6 " 10 " 10 " 10 " 10 " 10 " 10 " 10 " 10 " 10 " 10 " 10 " 10 "
	15 " 4 " 5 " 6 " 6 " 6 " 6 " 10 " 10 " 10 " 10 " 10 " 10 " 10 " 10 " 10 " 10 " 10 " 10 "
	16 " 4 " 5 " 6 " 6 " 6 " 6 " 10 " 10 " 10 " 10 " 14 " 14 " 14 " 14 " 14 " 14 " 14 " 14 "
	17 " 4 " 5 " 6 " 6 " 6 " 6 " 10 " 10 " 10 " 10 " 14 " 14 " 14 " 14 " 14 " 14 " 14 " 14 "
	18 " 4 " 5 " 6 " 6 " 6 " 6 " 10 " 10 " 10 " 10 " 14 " 14 " 14 " 14 " 14 " 14 " 14 " 14 "
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	20 " 4 " 5 " 6 " 6 " 6 " 6 " 10 " 10 " 10 " 10 " 14 " 14 " 14 " 16 " 16 " 16 " 16 " 16 "
	21 " 4 " 5 " 6 " 6 " 6 " 6 " 10 " 10 " 10 " 10 " 14 " 14 " 14 " 16 " 16 " 16 " 16 " 16 "
	22 " 4 " 5 " 6 " 6 " 6 " 6 " 10 " 10 " 10 " 10 " 14 " 14 " 14 " 16 " 16 " 16 " 16 " 16 "
	23 " 4 " 5 " 6 " 6 " 6 " 6 " 10 " 10 " 10 " 10 " 14 " 14 " 14 " 16 " 16 " 16 " 16 " 16 "
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