

Series PBD PLENUM BOX



STANDARD CONSTRUCTION

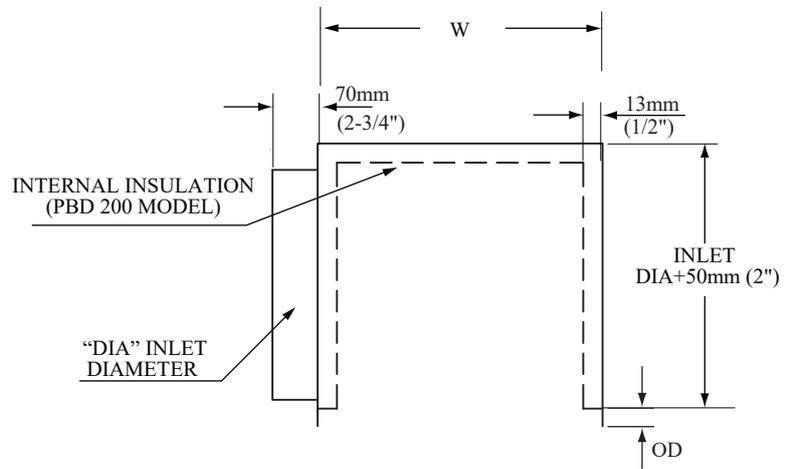
- 24 GAUGE (0.7mm) GALVANIZED STEEL (OPTIONS AVAILABLE)
- ROUND INLET
- 1.5 CM CLEAN LINER INSULATION. LINING IS SECURED TO PLENUM BOX BY ADHESIVE AND ATTACHEMENT PINS.

FEATURES:

- AVAILABLE DIMENSIONS "W" FROM (6 x 6") UP TO (24x24") .
- 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")*

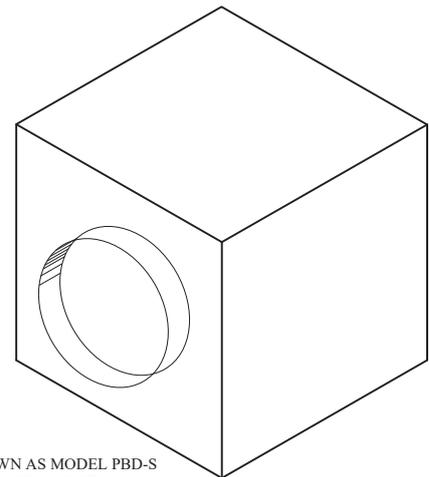
*Refer to KBE for other Non std Max sizes



OD= 30mm (1-1/8") FOR DIFFUSERS Without DAMPER
or 80mm (3-1/8") FOR DIFFUSERS With DAMPER

OPTIONS:

- MATERIAL THICKNESS, 22 or 20 GAUGE (0.8mm or 1mm) ARE AVAILABLE UPON REQUEST
- ALUMINUM CONSTRUCTION
- OVAL OR RECTANGULAR INLET
- OTHER INSULATION MATERIAL ARE AVAILABLE AS FOLLOW:
 - a) 2.5 CM CLEAN LINE INSULATION
 - b) OTHER KIND OF INSULATION SHALL BE PROVIDED UPON CUSTOMER REQUEST
- DOUBLE WALL CONSTRUCTION (REFER TO (1))
- MOUNTING BRACKET ATTACHEMENT
- BUILT-IN ROUND VOLUME DAMPER
- GRILLE OR DIFFUSER WITH OR WITHOUT OPPOSED BLADE DAMPER



1) Double wall are available with insulation covered with perforated sheet. This type of construction is used where air quality problems caused by bacteria and other contaminants that can embed in fibrous materials are special concern in environments such as hospital, laboratories and food or pharmaceutical plants. The standard is outside steel housing with an additional inside steel liner that provides a barrier between the insulation and the air stream.



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ORDERING INFORMATION

SERIES CONSTRUCTION MODEL INSULATION THICKNESS INLET SIDE PLENUM MOUNTING BRACKET OPPOSED BLADE DAMPER INLET SIZE DIFFUSER SIZE



-- : 24 GA Galvanized
 20: 20 GA Galvanized
 AL08: 0.8 mm Aluminum
 AL10: 10 mm Aluminum
 SC08: 0.8 mm Stainless Steel
 SC10: 10 mm Stainless Steel
 16SC08: 0.8 mm Stainless Steel 316
 16SC10: 10 mm Stainless Steel 316

100: Without Insulation
 200: With Insulation

-- : 1.5 cm clean liner insulation
 25 : 2.5 cm clean liner insulation

T : Top
 S : Side

-- : Standard
 D : The grille or diffuser is requested with an opposed blade damper

4" 6"
 . .
 . .
 . .
 16" 24" 24"

-- : Standard
 B : Plenum Mounting Bracket

Standard Maximum Inlet Size		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"	4"	4"
	7"	4"	5"	5"	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"	6"	6"
	9"	4"	5"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"
	10"	4"	5"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"
	11"	4"	5"	6"	6"	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"	10"
	13"	4"	5"	6"	6"	6"	6"	10"	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"	10"
	15"	4"	5"	6"	6"	6"	6"	10"	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"	14"
	17"	4"	5"	6"	6"	6"	6"	10"	10"	10"	10"	14"	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"	14"
	19"	4"	5"	6"	6"	6"	6"	10"	10"	10"	10"	14"	14"	14"	14"	14"	14"	14"	14"	14"
	20"	4"	5"	6"	6"	6"	6"	10"	10"	10"	10"	14"	14"	14"	14"	16"	16"	16"	16"	16"
	21"	4"	5"	6"	6"	6"	6"	10"	10"	10"	10"	14"	14"	14"	14"	16"	16"	16"	16"	16"
22"	4"	5"	6"	6"	6"	6"	10"	10"	10"	10"	14"	14"	14"	14"	16"	16"	16"	16"	16"	
23"	4"	5"	6"	6"	6"	6"	10"	10"	10"	10"	14"	14"	14"	14"	16"	16"	16"	16"	16"	
24"	4"	5"	6"	6"	6"	6"	10"	10"	10"	10"	14"	14"	14"	14"	16"	16"	16"	16"	16"	