





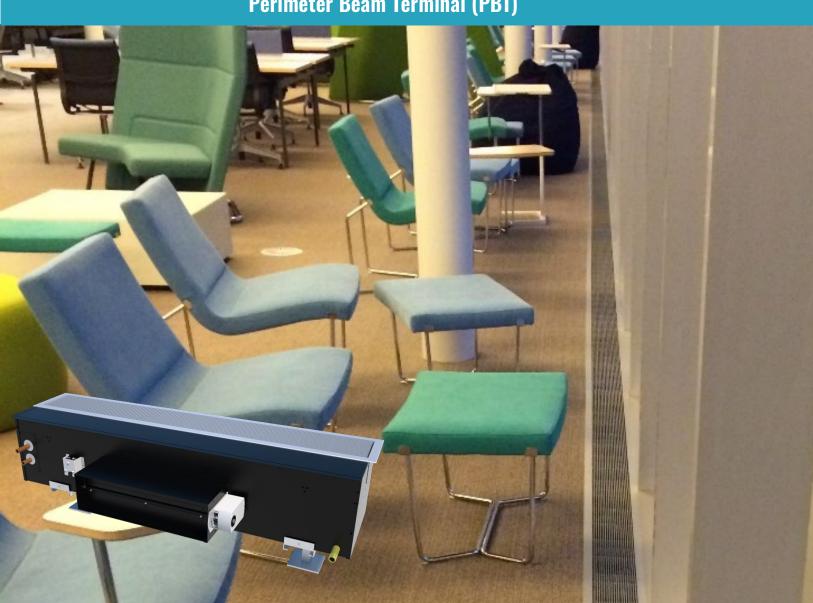




# GLOBAL IFS®

**Underfloor Air Distribution System** 

**Perimeter Beam Terminal (PBT)** 



### **SYSTEM OVERVIEW**

The Perimeter Beam Terminal (PBT) is a premium linear floor grille with integrated heating and cooling coil, designed for raised floor applications and ideal for perimeter ventilation. Using the PBT allows for conditioning of the perimeter zone without the use of an underfloor fan terminal.

Extruded aluminum bars provide crisp styling and exceptional strength. In addition to having various grille style options, these terminal units can be configured in either discrete or continuous applications.

The integrated cooling coil provides decoupled cooling at the perimeter, reducing perimeter zone dependence on plenum static and temperature reset.

### **Features**

- Sizes range from 4 ft. to 10 ft. in 2 ft. increments
- Steel construction
- Plenum painted black
- 2 Pipe coil configuration
- Plug-and-play control board for single connection
- 5/8 in. OD pipe connections
- Stainless steel drain pan
- Removable end caps facilitate continuous or discrete grille

# **Energy Efficient Systems**

The PBT assembly is rigorously tested and validated in an underfloor application.

The PBT series is tested in accordance with ASHRAE 70-2006.

Control enclosure is ETL certified.

# Modular Design

The PBT heater is an integral component of the System.

Plug-and-play wiring allows for increased flexibility and ease of installation.

Power and control signals are delivered to each unit via a single daisy chained cable, with up to six units in a series.

# Flexibility in Design

Hot water and electric coils available.

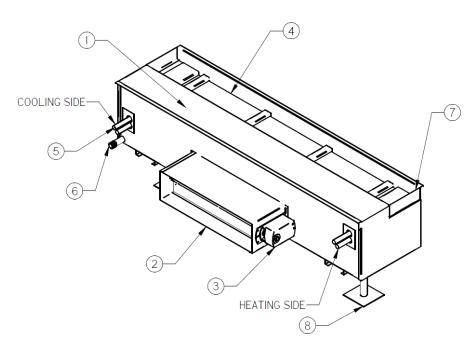
Options include various border styles, core configurations and constructions, fastening methods and directional vanes.



### PRODUCT APPLICATION

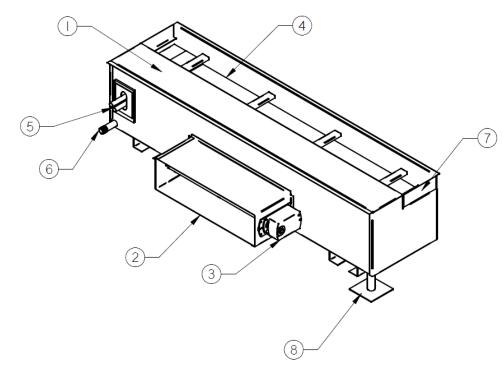
The PBT is especially suited to corridors and large windows where higher airflows and heating capacities are required. The PBT is recessed into the raised floor plenum and is designed to handle regular foot traffic. This makes them well suited for offices, lobbies, schools and universities with raised floor or trench systems along the perimeter. Due to its modular nature and ability to work with other VAV floor devices with Global IFS controllers, the PBT is also commonly used in conference rooms and offices where supplemental heat is necessary.

# 4-Pipe



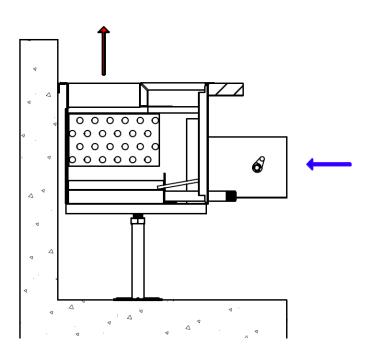
	PARTS LIST				
ITEM	PART NAME				
1	TOP COVER				
2	MOTORIZED VAV DAMPER				
3	24 VAC ACTUATOR (OPT)				
4	4 PIPE WATER COIL				
5	5/8" COPPER CONNECTION				
6	DRAIN PIPE				
7	REMOVABLE ENDCAP				
8	PEDESTALS (ORDERED SEPARATELY)				

### 2-Pipe

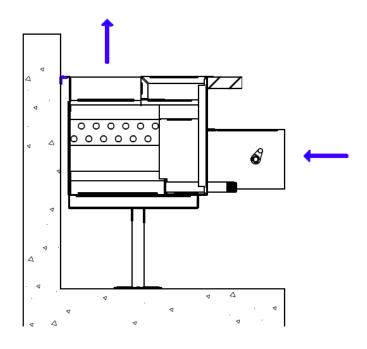


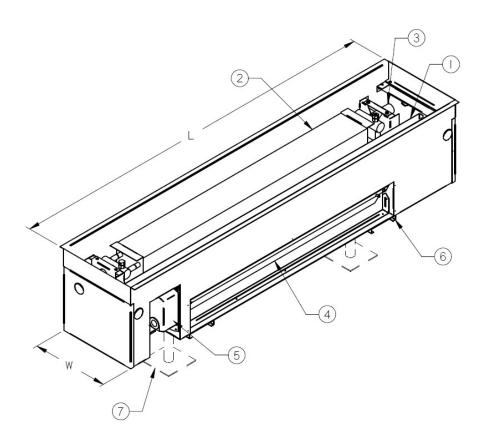
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8	PEDESTALS (ORDERED SEPARETELY)		

# Heating Airflow



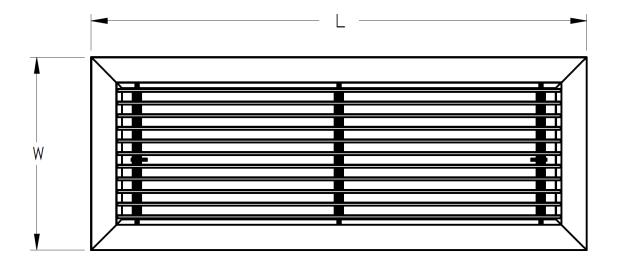
# Cooling Airflow





<b>Rough Opening</b>	Actual Din	nensions	Pedestal Bracket Qty
(L x W)	Length	Width	(Opt.)
48" x 12"	47.875" (1216mm)	11.875" (302mm)	2
72" x 12"	71.875" (1826mm)	11.875" (302mm)	3
96" x 12"	95.875" (2435mm)	11.875" (302mm)	4

# *LBG Dimensions* (LBG ordered separately)



Rough Opening (L × W)	Grille Size
48" x 12" (1219 x 305mm)	47 ¾" x 5 ¾" (1213 x 146mm)
72" x 12" (1829 x 302mm)	71 ¾" x 5 ¾" (1822 x 146mm)
96" x 12" (2438 x 305mm)	95 ¾" x 5 ¾" (2432 x 146mm)

## **PERIMETER ZONE**

