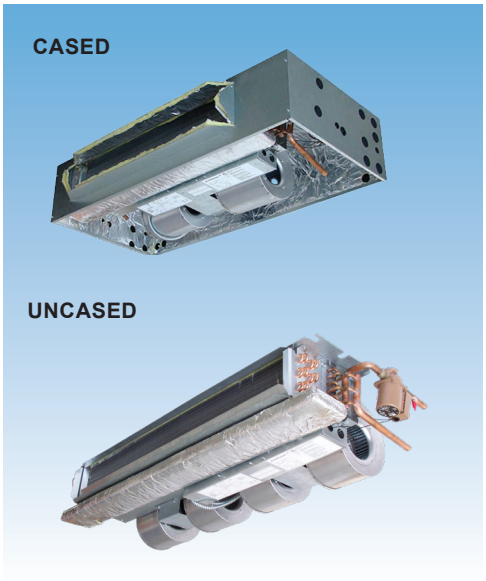
ASPENPRO AIR HANDLERS
CEILING MOUNT

PBS/PBT SERIES

- CASED & UNCASED DX COOL
- COPPER
- HYDRONIC



Representative image only. Some models may vary in appearance.

APPLICATION VERSATILITY

Built-in mounting tabs for ceiling or furr-down mounting. Compatible with most brands of air conditioners and heat pumps. Optional louvered ceiling access panel has separate frame that attached to ceiling joists. Optional solid ceiling panel available for use with ducted return. Less than 2% air leakage when tested in accordance with ASHRAE standard 193. Field convertible front and bottom return. Wall hanging bracket included standard.

- A2L refrigerants require a Refrigerant Detection System (RDS) for compliance. In accordance to UL 60335 Refrigerant Detection Systems are factory-installed on A2L refrigerant ready air handlers.
- ETL listed for R22, R410A, R454B, and R32 refrigerants (A2L refrigerants certified with Refrigerant Detection System (RDS)).

BLOWER MOTOR

Direct drive blowers circulate air quietly and efficiently. Multiple speeds allow for precise air volume selection. Air moving system is plated mounted to allow for easy removal and service.

ELECTRONIC CONTROLS

- **PBS Series:** Electronic circuit board provides 30 secs ON/OFF blower time delay extracting more heat/cool from the coil.
- **PBT Series:** Electronic board controls the functioning of system, increasing system reliability. Standard factory installed freeze stat wired into circulating pump control circuit. Standard factory installed fan time delay relay for increased efficiency and maximize capacity. Standard factory installed pump cycle timer circulates hot water every four hours to prevent coil freeze and water stagnation during off-cycle**.** Factory installed service switch

LOW LEAKAGE CABINET DESIGN

Less than 2% air leakage from cabinet when installed in enclosure and tested in accordance with ASHRAE 193. Sturdy, fully insulated galvanized enclosure with ducted return available as option.

DIRECT EXPANSION/HYDRONIC COILS

High-efficiency rifled copper tube and enhanced aluminum fins provide maximum heat transfer. All coils immersion tested at 500 psi, followed by nitrogen pressurization and factory sealing to ensure optimal system integrity and long-term reliability. Liquid-line Schrader valve allows pre-installation pressure assurance testing.

Available with factory installed orifice or TXV. Primary and secondary DX condensate drain with 3/4" NPT connections. Powder-painted galvanized drain pan. Hydronic coils suitable for potable water applications.

WARRANTY One-year limited parts warranty.

OPTIONS Ask your local Aspen Sales Rep for customization options.

DUAL REFRIGERANT

UNIVERSAL A2L REFRIGERANT TECHNOLOGY FOR R32 & R454B SYSTEMS

IDEAL FOR USE WITH ASPEN AIR HANDLERS, AS WELL AS CASED & UNCASED COILS!

Versa Dual Refrigerant Coils are easily configurable for use with either R32 or R454B refrigerant with proper metering device. Utilizing universal Refrigerant Detection Systems (RDS) to ensure regulatory compliance.

OTHER POPULAR CUSTOM OPTION:

Factory or field-installed TXV available.

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R-410A • R-22 • R-454B • R-32
REFRIGERANT READY
WHEN PROPER METERING DEVICE IS USED

WARRANTY
ONE YEAR LIMITED PARTS WARRANTY

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Phone: 281.441.6500 **Toll Free:** 800.423.9007 **Fax:** 281.441.6510 **Customer Service:** info@aspenmfg.com **Warranty Team:** warranty@aspenmfg.com

PB(S/T) SERIES - HEATING/COOLING PERFORMANCE & ELECTRICAL DATA

ASPEN PRO MODEL	HYDRONIC HEAT		PERFORMANCE DATA				ELECTRICAL DATA				
	NOM. COOLING	HEAT GPM	PRESS. DROP (FT. WTR)	HEATING CAPACITY BTU/HR @ ENTERING WATER TEMP. & NOM. AIRFLOW			MIN. CIRCUIT AMPACITY MCA				MAX. BREAKER OR FUSE SIZE
							L	P	8	R	
	BTU			120°	140°	180°	120V				120V
PB(S/T) 26	24,000	2.0	2.2	15700	22000	34600	4.75	5.53	5.59	-	15A
		3.0	4.3	17000	23800	37400	4.75	5.53	5.59		
		4.0	6.8	17600	24700	38800	4.75	5.53	5.59		
PB(S/T) 32	30,000	2.0	2.2	17300	24200	38000	5.75	6.53	6.59		15A
		3.0	4.3	18800	26300	41300	5.75	6.53	6.59		
		4.0	6.8	19600	27500	43200	5.75	6.53	6.59		
PB(S/T) 33	36,000	2.0	2.2	19700	27600	43400	5.75	6.53	6.59		15A
		3.0	4.3	21700	30400	47400	5.75	6.53	6.59		
		4.0	6.8	22800	31900	50100	5.75	6.53	6.59		
PB(S/T) 37		2.0	2.2	19700	27600	43400	5.75	6.53	6.59		15A
		3.0	4.3	21700	30400	47800	5.75	6.53	6.59		
		4.0	6.8	22800	31900	50100	5.75	6.53	6.59		

PB(S/T) SERIES - BLOWER DATA

MODEL	120V PSC MOTOR			CFM VS STATIC PRESSURE (DRY COIL)				
	SPEED	HP	FLA	0.1	0.2	0.3	0.4	0.5
PB(S/T) 26	HIGH	1/3	3.80	975	900	830	745	680
	LOW	1/3	3.80	900	840	770	690	620
PB(S/T) 32	HIGH	1/5 (2)	4.60	1055	965	865	755	605
	LOW	1/5 (2)	4.60	1015	915	815	705	565
PB(S/T) 33/37	HIGH	1/5 (2)	4.60	1235	1150	1040	925	830
	LOW	1/5 (2)	4.60	1050	980	900	800	680

PB(S/T) SERIES - AIR HANDLER CHASSIS NOMENCLATURE (ELECTRIC CEILING MOUNT)

BRAND	VOLT.	CONFIG.	MBTUH	METERING DEVICE	OPTION CODE
P	B	S/T		4/G	-000
ASPEN PRO	120V PSC MOTOR CONSTANT TORQUE HYDRONIC HANDLER	**S** = UNCASED **T** = CASED	NOM. TONN.	**A1 REFRIGERANTS - R410A + R22** **4** = R410A (TXV NON-BLEED AC/HP) **X** = R22 (TXV NON-BLEED AC/HP) **6** = R410A (TXV 20% BLEED AC/HP) **B** = R22 (TXV 20% BLEED AC/HP) **G** = R410A (FLOWRATOR) **F** = R22 (FLOWRATOR) **A2L REFRIGERANTS - R454B + R32** **J** = R454B (TXV NON-BLEED AC/HP) **D** = R32 (TXV NON-BLEED AC/HP) **K** = R454B (TXV 20% BLEED AC/HP) **M** = R32 (PISTON) **N** = R454B (PISTON) (Shipped w/ R454B Piston) **Z** = R454B/R32 CONFIGURABLE	CUSTOM OPTIONS

HYDRONIC HEAT NOMENCLATURE

HEAT KIT SERIES	POWER CONNECTION	# OF ROWS	CABINET SIZE & NOM. TON.	PUMP TYPE
Z	T	2	S	P
WATER HEAT HYDRONIC	**T** = TERMINAL BLOCK	**2 = 2 ROW** HYDRONIC COIL	**M** = 26/32 **L** = 33/37	**L** = No Pump **P** = Taco 006 Pump (factory-installed) **8** = Taco 008 Pump High Head (factory-installed) **R** = Taco 009 Pump High Head (to be mounted external to all units except for multi-position units)

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ACCESS DOOR

VERSATILITY

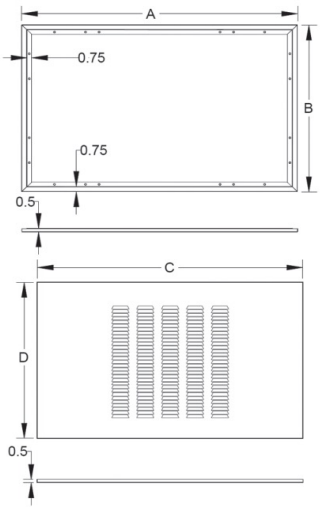
Equipped with hidden frame feature. Fastens to the outside wall surface and does not have to perfectly match the hole opening. Frame screws are not visible after installation. Available in either solid (S) or Louvered (L) style.

MATERIALS

Galvanized steel construction with smooth powder paint finish.

FILTER

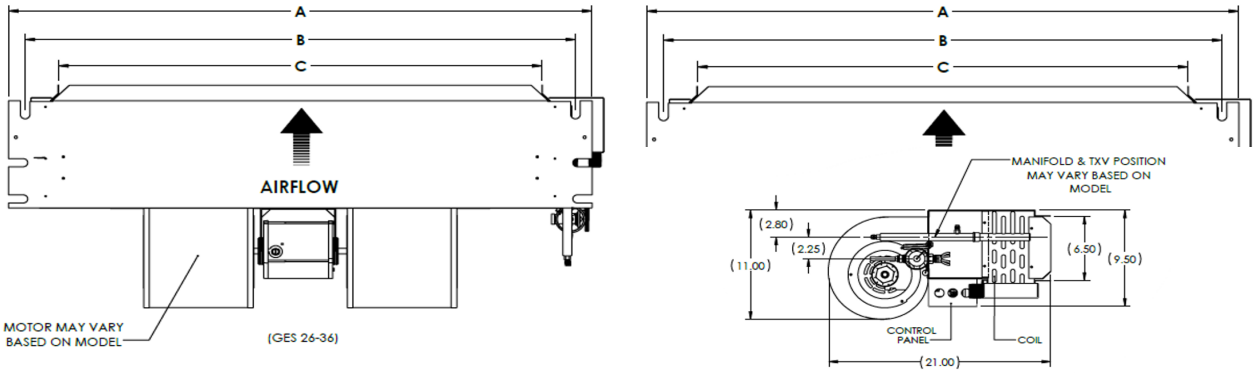
20" x 20" x 1" field supplied.



PB(S/T) SERIES - ACCESS DOOR/PANEL DIMENSIONS (In.)

PANEL MODEL	FOR USE WITH	A	B	C	D	FILTERS (QTY)
PB(S/T)26/32	GAD-6(S/L)	63-1/2	27-1/2	61-1/2	26	2
PB(S/T)33/37	GAD-4(S/L)	70-1/2		68-1/2		

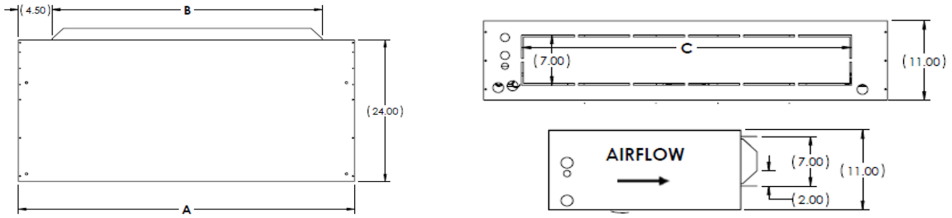
FIGURE 1



PBS SERIES - CHASSIS DIMENSIONS (In.)[mm.] - FIGURE 1

ASPENPRO MODEL	A	B	C	D	WEIGHT (LBS)	SKID QTY
PB(S/T)26	55 [1397]	50 [1270]	42 [1060]	50 [1270]	101	8
PB(S/T)32	55 [1397]	50 [1270]	42 [1060]	50 [1270]	121	
PB(S/T)33/37	62 [1575]	56 [1422]	48 [1219]	56 [1422]	127	

FIGURE 2



PBT SERIES - ENCLOSURE DIMENSIONS (In.)[mm.]- FIGURE 2

ASPENPRO MODEL	A	B	C	WEIGHT (LBS)	SKID QTY
PB(S/T)26	60 [1524]	30 [762]	30 [762]	135	5
PB(S/T)32	60 [1524]	42 [1067]	47 [1194]	135	5
PB(S/T)33/37	67 [1702]	42 [1067]	42 [1067]	165	4

PBT SERIES - CAP KIT PART NUMBER (In.)

ASPENPRO MODEL	PART NUMBER	ENCLOSURE SIZE
PBT26/32	CAP-7	60"X24"X11"
PBT33/37	CAP-8	67"X24"X11"

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