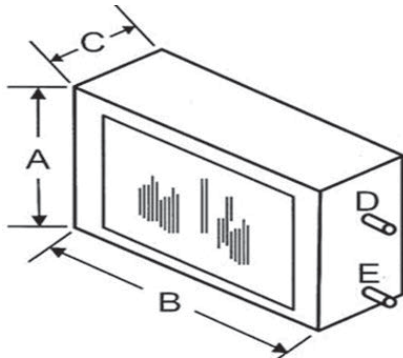




# PRODUCT DIMENSIONS & SPECIFICATIONS

## HIGH VELOCITY BHV HORIZONTAL COILS



Representative drawing only.  
Some models may vary in appearance.

### STANDARD SPECIFICATIONS

- Riffled copper tubing, enhanced aluminum fins.
- Immersion-tested at 500 psi, then nitrogen-pressurized and sealed.
- Left- or right-hand refrigerant and plumbing connections.
- Liquid line - 3/8" ODS, suction line - 3/4" ODS.
- Externally mounted flowrater body with Schrader valve for hiss-testing.
- Heavy duty polypropylene drain pans on most models.
- Upflow without field modification. Downflow applications require plate kit, included.
- ETL listed for use with both R-22 and R-410a.
- Five-year limited warranty.
- Thermal expansion valve, access port, and an external freeze stat and must be installed in the vertical position on the return air side of the fan coil.

### AVAILABLE OPTIONS:

- Factory or field-installable TXV.
- Powder paintedgalvanized drain pan.
- Schrader mounted on suction manifold, external to cabinet.

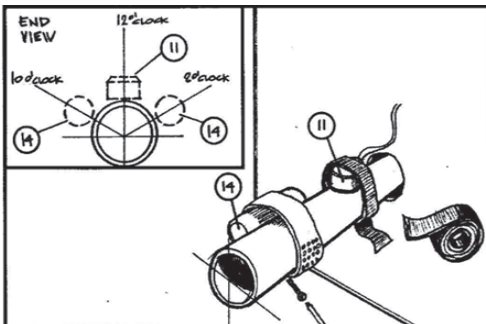
COIL MODEL	TONNAGE / PISTON SIZE	DIMENSIONS					SHIPPING INFORMATION		
		HEIGHT	LENGTH	WIDTH	COIL SIZE	NOMINAL CFM	SHIPPING WEIGHT (LBS)	SKID QTY	
		A	B	C					
BHV22 12*/**	1/041	18	19	4-1/2	16 x 11 x 2R/12fpi	400	10	48	
BHV30 18+X3	1.5	18	19	4-1/2	16 x 11 x 3R/10fpi	600	12	48	
BHV42 24+X3	2	16	17	4-1/2	14 x 12 x 4R/12fpi	800	15	48	
BHV43 24+X3	2	18	19	4-1/2	16 x 11 x 4R/10fpi	800	15	48	
BHV43 30+X3	2.5	18	23	4-1/2	16 x 15 x 4R/10fpi	1000	20	32	
BHV40 36*/**	3/074	18	23-1/2	4-1/2	16 x 19 x 4R/10fpi	1200	25	28	

\* non-TXV model.

\*\* Coils shipped with a generic orifice size! Always refer to condenser manufacturer recommendations for proper orifice sizing.

### FREEZE STAT AND TXV:

Hi-Velocity Systems coils come with anti-ice control, freeze stat, installed on suction line. Ensure that the TXV bulb and the freeze stat control are fastened securely and are well insulated. DO NOT use a self-tightening clamp on the freeze stat control, as excessive tightening may damage the control. The remote sensing bulb for the TXV should be located on a clean, horizontal section of the suction line. It should be mounted on the top half of the pipe in the 2 o'clock or 10 o'clock position.

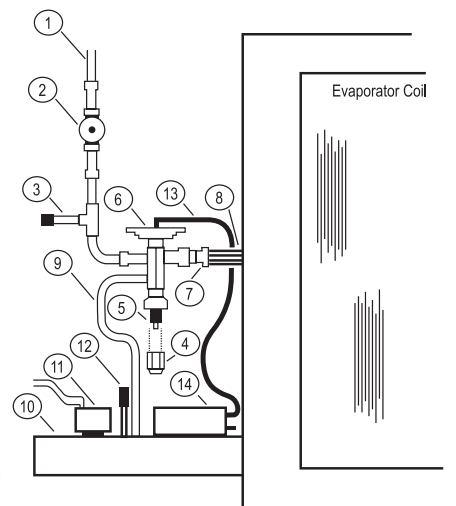


### COIL ASSEMBLY & PLUMBING:

- 1) Liquid line
- 2) Site glass (not Supplied)
- 3) High side access port
- 4) Adjustment stem cap [not applicable]
- 5) Superheat adjustment stem [not applicable]
- 6) Thermal expansion valve (TXV)
- 7) Refrigerant distributor (florator)
- 8) Distributor tubes
- 9) External equalizer line
- 10) Suction line
- 11) Anti-ice control [Freezstat]
- 12) Low side access port
- 13) TX capillary tube
- 14) TX sensing bulb

### PLUMBING:

Refrigerant grade pipe and fittings are only to be used with Hi-Velocity Systems. Plumbing fillings may contain wax or other contaminants, which are detrimental to the proper operation of the system. Insulate the suction line with 3/8" insulation such as Armaflex. In high heat areas, 1/2" insulation may be needed. If the lines are run in an area where temperatures could exceed 120°F or runs longer than 50', then the liquid line may need to be insulated as well. Support the pipe every 5 feet, or whatever local code states. Run the pipes in the most direct route possible, taking into account structural integrity and building details.



Phone: 281.441.6500  
Toll Free: 800.423.9007  
Fax: 281.441.6510  
[www.aspenmfg.com](http://www.aspenmfg.com)



\* For complete warranty details visit [www.aspenmfg.com](http://www.aspenmfg.com).

Revised 07/08/19. In keeping with its policy of continuous progress and product improvement, Aspen reserves the right to make changes without notice and incurring obligation. © 2019