

Job	Representative	
Unit tag	Order number	Date
Engineer	Submitted by	Date
Contractor	Approved by	Date



Series "HFT"

Residential/light commercial HVAC diaphragm expansion tanks

Not for potable water systems

Series "HFT" diaphragm-type expansion tanks are precharged to 12 PSI. The Series "HFT" tank is designed to absorb the force of thermal expansion when heating water and to maintain proper pressurization in a closed hydronic system.

The heavy-duty butyl diaphragm separates system water from the air in the tank thereby preventing waterlogging problems.

Construction materials

Shell: Carbon steel

Diaphragm: Heavy duty butyl rubber

Performance limitations

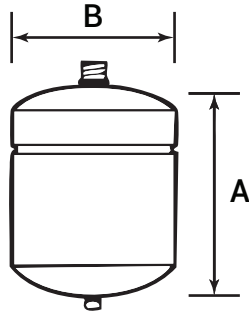
Maximum design pressure: 100 PSI (689 kPa)

Maximum design temperature: 240°F (115 °C)

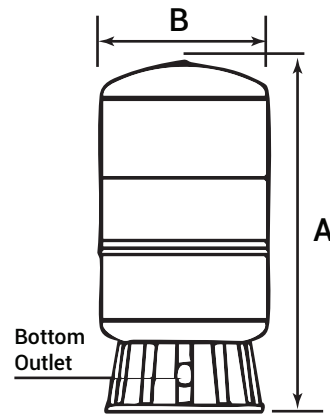
Schedule

Part number	Model number	Gallons (liters)		Tagging information	Quantity
		Tank volume	Acceptance volume		
1BN326	HFT-15	2 (7.5)	1.0 (3.7)		
1BN327	HFT-30	4.4 (16.6)	2.5 (9.4)		
1BN328	HFT-60	7.6 (28.7)	2.5 (9.4)		
1BN329	HFT-90	14 (53)	11.3 (43)		
1BN330	HFT-30V	14 (53)	11.3 (43)		
1BN331	HFT-40V	20 (76)	11.3 (43)		
1BN332	HFT-60V	32 (121)	11.3 (43)		
1BN333	HFT-90V	44 (165)	34 (129)		
1BN334	HFT-110V	62 (235)	34 (129)		
1BN335	HFT-160V	86 (326)	46 (174)		

Diaphragm expansion tanks – pre-pressurized



Models HFT-15 through HFT-90



Models HFT-30V through HFT-160V

Dimensions and weights

Model number	Dimensions - inches (mm)		System connection	Charging valve	Approx. shipping weight lbs (kg)
	A height	B height			
HFT-15	12 ⁵ / ₈ (321)	8 (203)	½" NPTM	.305"-32 NC	5 (2.3)
HFT-30	14 (355)	11 (279)	½" NPTM	.305"-32 NC	9 (4.1)
HFT-60	17¼ (438)	11 (279)	½" NPTM	.305"-32 NC	14 (6.4)
HFT-90	21 (533)	15 ³ / ₈ (390)	½" NPTM	.305"-32 NC	23 (10.4)
HFT-30V	24¾ (629)	15 ³ / ₈ (390)	1" NPTF	.305"-32 NC	24 (11)
HFT-40V	32½ (826)	15 ³ / ₈ (390)	1" NPTF	.305"-32 NC	34 (15.5)
HFT-60V	47½ (1207)	15 ³ / ₈ (390)	1" NPTF	.305"-32 NC	52 (23.6)
HFT-90V	36½ (927)	22 (559)	1¼" NPTF	.305"-32 NC	64 (29)
HFT-110V	48½ (1232)	22 (559)	1¼" NPTF	.305"-32 NC	89 (40.5)
HFT-160V	46 (1168)	26 (660)	1¼" NPTF	.305"-32 NC	116 (53)

NOTE: All dimensions are approximate. Tanks are factory pre-charged at 12 PSI (83 kPa)

Typical specifications

Furnish and install as shown on plans a ____ gallon (____ liter), ____" (____mm) diameter x ____" (____ mm) high pre-charged vertical steel expansion tank with integral, heavy duty butyl rubber diaphragm. The tank shall have a ____" NPT system connection, and a .305"-32 charging valve connection (standard tire valve) to facilitate on-site charging of the tank to meet system requirements.

The tank must be designed for a maximum working pressure of 100 PSI (689 kPa) and maximum working temperature of 240°F (115°C).

Each tank shall be Xylem - Bell & Gossett Model No. _____

Xylem
8200 N. Austin Avenue
Morton Grove, IL 60053

Tel +1 847.966.3700
Fax +1 847.965.8379
xylem.com/bellgossett

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