

BACKSTOP® Diaphragm Expansion Tanks

H SERIES (Non-ASME) SUBMITTAL

Lit.# BSHSUB-810

TYPE: PRE-PRESSURIZED HEATING EXPANSION TANKS FOR HEATING & COOLING SYSTEMS
MODELS: H-15; H-30; H-60; H-90; HX-30; HX-40; HX-60 & HX-90

Job _____	Arrow Rep. _____
Unit Tag No. _____	Order No. _____ Date _____
Engineer _____	Submitted By _____ Date _____
Contractor _____	Approved By _____ Date _____

MATERIALS:

Shell: Cold Rolled Steel
 System Connection: Steel
 Coating: Metallic Silver Epoxy
 Diaphragm: Heavy Duty Butyl Rubber
 Factory Pre-set Pressure: 12 PSI

OPERATING LIMITATIONS:

Maximum Design Pressure: 150 PSI (1035 kPa)
 Maximum Design Temperature: 210° F (99° C)

APPLICATION:

BackStop® H Series Hydronic Expansion Tanks are residential diaphragm type pre-charged heating system tanks. They are designed to absorb the expansion of water in a hydronic (forced hot water) heating system, keeping system pressures below relief valve settings. The water is separated from the air cushion by a heavy-duty butyl diaphragm.



Model No.	Volume (liter)	Volume (gal.)	Height	Diameter	Sys. Conn.	Wt. (lbs.)
H-15	8	2.1	12-1/2"	8"	1/2"	4.5
H-30	18	4.8	15"	11"	1/2"	8
H-60	22	6	16-5/8"	15-1/2"	1/2"	9.5
H-90	53	14	19-7/8"	15-1/2"	1/2"	19
HX-30	53	14	24-7/8"	15-1/2"	1"	22
HX-40	78	20	27"	15-1/2"	1"	27
HX-60	121	32	27-1/2"	22"	1"	46
HX-90	151	40	36-1/2"	22"	1"	60

HX denotes stand models.

SCHEDULE:

Model Number	Tank Volume Gallons	Acceptance Volume Gallons	Tagging Information	Quantity
H-15	2.1	1.0		
H-30	4.8	1.9		
H-60	6	2.4		
H-90	14	5.6		
HX-30	14	5.6		
HX-40	20	8		
HX-60	32	12.8		
HX-90	40	16		

SPECIFICATIONS:

Furnish and install as shown on plans a _____ gallon _____" diameter x _____" (high) pre-charged steel well tank with a fixed butyl diaphragm. The tank shall have a top NPT system connection and a .301" - 32 charging valve connection (standard tire valve) to facilitate the on-site charging of the tank to meet system requirements.

Each tank shall be BackStop® model number _____ or approved equal.