

BACKSTOP[®] Diaphragm Type Hydronic Tanks

H SERIES (Non-ASME) SUBMITTAL

Lit.# BSHSUB-810

TYPE: PRE-PRESSURIZED HEATING EXPANSION TANKS FOR HEATING & COOLING SYSTEMS

MODELS: 12-H15; 12-H30; 12-H60; 12-H90; 12-H120;

| | |
|--------------------|-------------------------------|
| Job _____ | Backstop Rep. _____ |
| Unit Tag No. _____ | Order No. _____ Date _____ |
| Engineer _____ | Submitted By _____ Date _____ |
| Contractor _____ | Approved By _____ Date _____ |

MATERIALS:

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

OPERATING LIMITATIONS:

Maximum Design Pressure: 150 PSI (1035 kPa)
 Maximum Design Temperature: 200° F (99° C)

APPLICATION:

BackStop[®] 12-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 (gal.) | Height | Diameter | Sys. Conn. | Wt. (lbs.) |
|-----------|---------------|---------|----------|------------|------------|
| 12-H15 | 2.1 | 12-1/2" | 8" | 1/2" | 4.5 |
| 12-H30 | 4.5 | 15" | 11" | 1/2" | 7.5 |
| 12-H-60 | 6 | 16-5/8" | 11-1/2" | 1/2" | 8.75 |
| 12-H-90 | 14 | 23-1/2" | 15-1/2" | 1/2" | 19 |
| 12-H-120 | 20 | 30-1/2" | 15-1/2" | 1" | 31 |



SCHEDULE:

| Model No. | Volume (gal.) | Acceptance Volume (gal.) | Tagging Information | Quantity |
|-----------|---------------|--------------------------|---------------------|----------|
| 12-H15 | 2.1 | 1.2 | | |
| 12-H30 | 4.8 | 3.5 | | |
| 12-H-60 | 6 | 4.2 | | |
| 12-H-90 | 14 | 5.6 | | |
| 12-H-120 | 20 | 20 | | |

SPECIFICATIONS:

Furnish and install as shown on plans a _____ gallon _____" diameter x _____" (high) pre-charged steel hydronic 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.