BACKSTOP® Diaphragm Type Thermal Expansion Tanks

A SERIES (Non-ASME) SUBMITTAL

Lit.# BSASUB-810

TYPE: PRESSURIZED THERMAL EXPANSION TANKS FOR RESIDENTIAL WATER SYSTEMS
MODELS: A-101; A-102; A-103-S; A-104-S; A-105-S; & A-106-S

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

MATERIALS:

Shell: Carbon Steel
System Connection: Stainless Steel
Coating: Epoxy
Diaphragm: Heavy Duty Butyl Rubber
Liner Material: Food Grade Polypropylene
Factory Pre-set Pressure: 35 PSI

OPERATING LIMITATIONS:

Maximum Design Pressure: 150 PSI (1035 kPa)
Maximum Design Temperature: 200° F (93° C)

NSF Certified to NSF / ANSI-61

MODELS: A101; A102; A103; & A104

UPC IAPMO Certified

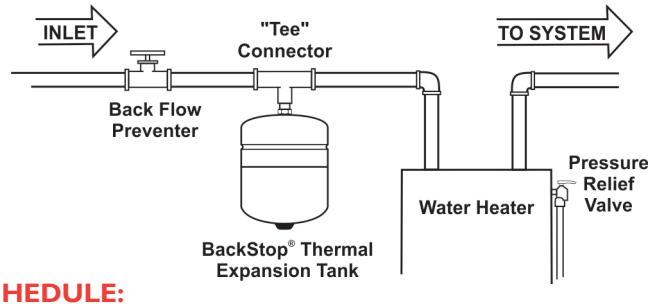
APPLICATION:

BackStop® A Series Tanks are fixed diaphragm type pre-charged thermal expansion tanks. They are designed to absorb the expansion forces and control the pressure in potable water systems. The water is separated using the heavy duty diaphragm preventing tank corrosion and waterlogging.

Model No.	Volume (liter)	Volume (gal.)	Height	Diameter	Sys. Conn.	Wt. (lbs.)
A101	8	2	12-1/2"	8"	3/4"	5
A102	18	4.5	15"	11"	3/4"	9
A103	55	14	19-7/8"	15-1/2"	1"	19
A104	80	20	27"	15-1/2"	1"	27
A104M	80	20	27"	15-1/2"	1-1/4"	43
A106M	176	44	35-1/2"	22"	1-1/4"	52

S denotes stand models.

TYPICAL INSTALLATION:



SCHEDULE:

Model Number	Tank Volume Gallons	Acceptance Volume Gallons	Tagging Information	Quantity
A101	2	1.2		
A102	4.5	3.2		
A103	14	8.5		
A104	20	12.6		
A104M	20	12.6		
A106M	44	32.1		

SPECIFICATIONS:

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

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