

TYPE: PRESSURIZED THERMAL EXPANSION TANKS FOR RESIDENTIAL WATER SYSTEMS
MODELS: 12-A101C; 12-A102C; 12-A103; 12-A104 & 12-A110

Job _____	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: 50 PSI

OPERATING LIMITATIONS:

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



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 & 12-A 110

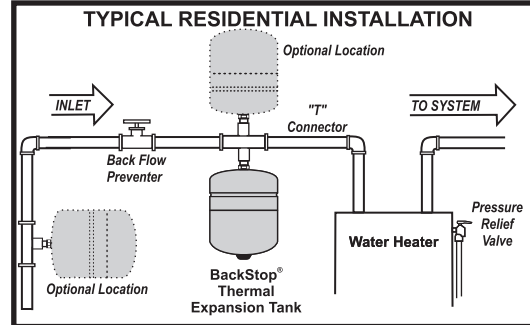


APPLICATION:

BackStop[®] CORE 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.)
12-A101C	7.57	2.1	11"	8"	3/4"	5.5
12-A102C	17.05	4.5	13.5"	11"	3/4"	8.5
12-A103	56	14	23-1/2"	15-1/2"	1"	20.5
12-A104	80	20	30-1/2"	17"	1"	27
12-A110	40	10	20"	11-1/2"	3/4"	13.5

TYPICAL INSTALLATION:



SCHEDULE:

Model Number	Tank Volume Gallons	Acceptance Volume Gallons	Tagging Information	Quantity
12-A101C	2.1	1.25		
12-A102C	4.5	3.04		
12-A103	14	8.5		
12-A104	20	12.6		
12-A110	10	5.2		

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 systems requirements.

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

