



Potable Water Expansion Tanks Series DET



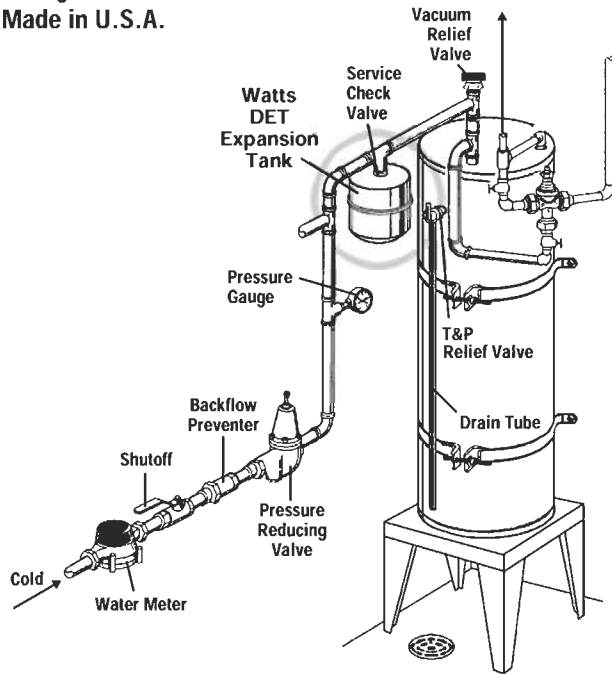
FEATURES

- Rugged flexible butyl diaphragm
- Field adjustable pre-charge
- In-line and free standing models
- Can be used with most standard hot water heaters and storage tanks
- Made in U.S.A.

Watts Series DET Potable Water Expansion Tanks are designed to absorb the increased volume of water created by thermal expansion and to maintain balanced pressure throughout the potable water supply system.

Watts Series DET expansion tanks absorb the increased volume of water created when the hot water storage tank is heated and keeps the system pressure below the relief setting of the T&P relief valve. It is a pre-pressurized steel tank with an expansion membrane that prevents contact of the water with the air in the tank. This prevents loss of air to the water and insures long and trouble-free life for the system. These tanks may be used with all types of Direct Fired Hot Water Heaters (gas, oil or electric) and hot water storage tanks.

Note: The potable water expansion tank shall be installed in the cold water service pipe line on the supply side of the water heater (or water storage tank). A pressure relief valve sized and installed in accordance with local codes must be incorporated in the system.



SELECTION

SUPPLY PRESSURE (PSIG)	WATER HEATER (GALLONS)						
	20	30	40	50	80	100	120
40					DET-12-M1		
50	DET-5-M1				DET-12-M1		
55					DET-12-M1		
60	DET-5-M1				DET-12-M1		
70					DET-20-M1		
80					DET-20-M1		
90					DET-20-M1		
100					DET-20-M1		
110					Multiple Tanks Required		
120	DET-35-M1				Multiple Tanks Required		

Technical Information

Description	DET-5-M1 EDP # 0067700	DET-12-M1 EDP # 0067701	DET-20-M1 EDP # 0067702	DET-35-M1 EDP # 0067703
Max. Pressure - PSI	150	150	150	150
Max. Temp. - °F	200	200	200	200
Tank Volume - Gal.	2.1	4.5	8.5	14.00
Tank Acceptance - Gal.	.85	1.8	3.2	5.6
Air Pre-charge - PSI	40	40	40	40
Connections Size - Inches	3/4 Male	3/4 Male	3/4 Male	1 Female
Diameter - Inches	8.5	10.0	12.5	16.0
Length - Inches	11.5	15.0	19.2	21.7
Weight - Lbs.	7	10	15	32

MATERIALS

Diaphragm material: Butyl rubber
Inlet Connection: Brass (DET-35-M1: Stainless Steel)
Tank: Drawn Steel

STANDARDS

Model DET-5-M1, DET-12-M1 and DET-20-M1 is Listed by IAPMO.
Certified to ANSI/NSF 61
Model DET-35-M1
Certified to ANSI/NSF 61

