

Residential Expansion Tanks

TX Series Expansion Tanks- Domestic Hot Water



The Honeywell Thermal Expansion Absorber is a welded, pressurized expansion tank with a butyl diaphragm to control excess pressure in potable hot water systems. The Thermal Expansion Tank controls pressure build-up in the system, eliminates relief valve spillage, protects fixtures and extends water heater life.

- Heavy duty butyl rubber diaphragm (FDA approved) isolates water from air.
- Polypropylene liner, 100% non-metallic, non-corrosive water reservoir.
- Full size range: 2-211 gals., for all water heating volumes (ASME available).
- Prevents water hammer.
- Maintenance free.
- Protects water heater from harmful pressure cycling.
- Allows storage of expanded water with no increase in system pressures.

Maximum Operating Temperature: 200 F (93 C)
Maximum Operating Pressure: 150 psi (1034 kPa)
Precharge: 40 psi
Materials:
 Shell: Steel

Connection: Brass
 Liner: Polypropylene
 Diaphragm: Butyl

Product Number	Connection Size (inch)	Connection Type	Diameter		Height		Volume		Maximum Acceptance Volume		Weight	
			inch	mm	inch	mm	gal	L	gal	L	lb	kg
TX-12/U	3/4 in.	Male NPT	11 in.	279 mm	12 5/8 in.	321 mm	4.4 gal	16.7 L	3.2 gal	12.1 L	5 lb	2.27 kg
TX-25V/U	3/4 in.	Female NPT	15 3/8 in.	390.5 mm	19 1/4 in.	489 mm	10.3 gal	39 L	10.3 gal	39 L	23 lb	10.43 kg
TX-30V/U	3/4 in.	Female NPT	15 3/8 in.	390.5 mm	23 7/8 in.	606 mm	14.0 gal	53.1 L	11.3 gal	42.8 L	25 lb	11.34 kg
TX-42V/U	3/4 in.	Female NPT	15 3/8 in.	390.5 mm	31 5/8 in.	803 mm	20.0 gal	75.7 L	11.4 gal	43.2 L	33 lb	14.97 kg
TX-5/U	3/4 in.	Male NPT	8 in.	203.2 mm	12 5/8 in.	321 mm	2.0 gal	7.6 L	0.9 gal	3.41 L	5 lb	2.27 kg

Hydronic Controls

Service Check Valves



Service Check Valves for air vents and expansion tanks allow easy field service without draining system.

CAUTION: Reduce system temperature to ambient and pressure to 0 psi before servicing component. Failure to do so may result in injuries.

Maximum Operating Temperature: 240 F (115 C)
Maximum Operating Pressure: 100 psi (689 kPa)

Product Number	Connection Size (inch)	Connection Type
SCV-0125/U	1/8 in.	Inlet FNPT, Outlet MNPT
SCV-050/U	1/2 in.	Inlet FNPT, Outlet MNPT