HGTE SERIES / Fixed bladder expansion tank

PROJECT

Representative: _____ Project: _____

Date Submitted: _____ Submitted by: _____

Date Approved: _____ Approved by: _____

Model Number: _____ Quantity: _____

DESCRIPTION

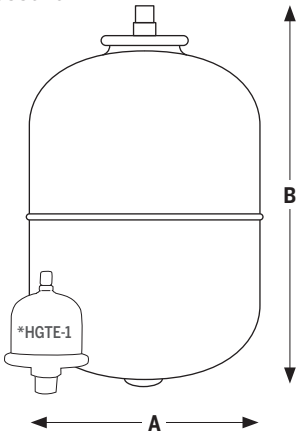
The expansion tanks from the HGTE Series are offered in sizes going from 0.04 to 8 gallons, in line. The HGTE Series bladder expansion tanks are designed for use in domestic installations for potable hot water applications. The tanks are installed in systems equipped with a backflow preventor or as an add-on to direct or indirect water heaters. The tanks function is to absorb the increased volume of water which results from the heating process, thereby keeping the system's pressure below the relief valve setting.

C US
Drinking Water
NSF/ANSI 61 & 372

- Acceptance factor of 100%
- Water remains permanently separated from the air throughout the useful life of the installation
- The water does not escape the circuit. The steel tank never comes into contact with water
- Pre-charged at the factory to 50 PSI; tank need to be adjusted on site at the system operating pressure
- Certified to NSF61/ANSI 61 & 372 by CSA for use in potable water system
- Stainless steel connection

Model#	Volume		Conn. MNPT	Pre-charge	Max. temp.	Maximum operating pressure	Dimension				Weight	
							A		B			
	gal	L					in	mm	in	mm	lb	kg
HGTE-1*	0.04	0.16	½"	50 PSI	200°F	150 PSI	3.25	80	4.5	112	0.5	0.2
HGTE-5	2.1	8	¾"	50 PSI	200°F	150 PSI	7.9	200	13.7	348	5	2
HGTE-8	3.2	12	¾"	50 PSI	200°F	150 PSI	10.6	270	12.8	325	9	4
HGTE-12	4.7	18	¾"	50 PSI	200°F	150 PSI	10.6	270	16.7	425	11	5
HGTE-25	8.0	30	¾"	50 PSI	200°F	150 PSI	13.8	350	16.4	418	14	6

*For tankless water heaters less than 2 gallons



TYPICAL SPECIFICATIONS

Furnish and install, as shown on the plans, a _____ gallons/liters _____ in/mm diameter × _____ in/mm (high) air precharged steel expansion tank, with an EPDM fixed bladder that separates water from the steel shell of the tank. The tank must have a 100% acceptance factor and shall have NPT connection as well as a 302"-32 charging valve (standard tire valve) to facilitate the on-site charging of the tank to meet system requirements. Each tank shall be certified to NSF61/ANSI 61 & 372 by CSA for use in potable water systems and be a CALEFACTIO model HGTE-_____ or approved equal.

A qualified plumber must inspect the entire system, including the expansion tank, at least once a year, and more frequently as the installation ages. The tank must be isolated and drained before checking the precharge in order to obtain an accurate air pressure reading. This pressure must match the system's cold static pressure and be adjusted as required. The bladder's integrity must also be verified: if water escapes from the Schrader valve, this indicates a rupture and the tank must be replaced. During the inspection, it is also essential to examine the tank and its fittings for any signs of leakage, corrosion, deformation, or bulging; the presence of such conditions requires immediate replacement. Finally, compliance with the maximum pressure and temperature ratings indicated on the tank's label is essential to ensure the safety and longevity of the installation.

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CALEFACTIO