HGTEV SERIES / Expansion tank with replaceable bladder

PROJECT

Representative: _____ Project: _____

Date Submitted: _____ Submitted by: _____

Date Approved: _____ Approved by: _____

Model Number: _____ Quantity: _____

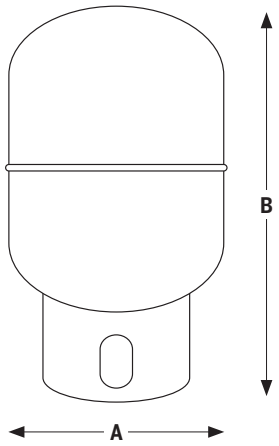
DESCRIPTION

The expansion tank from the HGTEV Series are offered in sizes going from 14 to 74 gallons, on stand. The HGTEV 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 tank's 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.

- 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

C US
Drinking Water
NSF/ANSI 61 & 372

Model#	Volume		Conn. FNPT	Pre-charge	Max. temp.	Maximum operating pressure	Dimension				Weight	
							A		B			
	gal	L					in	mm	in	mm	lb	kg
HGTEV-30	14	53	¾"	50 PSI	200°F	150 PSI	14.9	380	26.4	670	26	12
HGTEV-42	20	75.8	¾"	50 PSI	200°F	150 PSI	17.7	450	27.8	750	31	14
HGTEV-60	30	114	1¼"	50 PSI	200°F	150 PSI	17.7	450	31.8	808	37	17
HGTEV-80	44	167	1¼"	50 PSI	200°F	150 PSI	19.7	500	42.0	1065	52	23
HGTEV-180	57	215	1¼"	50 PSI	200°F	150 PSI	19.7	500	52.4	1330	75	34
HGTEV-200	74	280	1¼"	50 PSI	200°F	150 PSI	19.7	500	63.4	1610	103	47



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 replaceable 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 HGTEV-_____ 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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