

HGTV SERIES / Expansion tank with replaceable bladder

PROJECT

Representative: _____ Project: _____

Date Submitted: _____ Submitted by: _____

Date Approved: _____ Approved by: _____

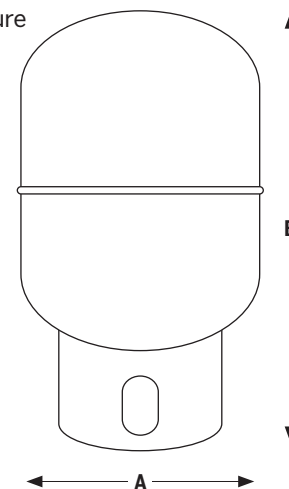
Model Number: _____ Quantity: _____

DESCRIPTION

The expansion tank from the HGTV Series are offered in sizes going from 13 to 74 gallons, on stand. These expansion tanks are built of two welded parts to resist high pressures for a secure installation. The EPDM bladder separates the air from the water inside the tank saving space and energy. These devices are suitable for hot water, solar and cooling in addition to being compatible with glycol.

- 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 12 PSI; tank need to be adjusted on site at the system operating pressure

Model#	Volume		Conn. FNPT	Pre-charge	Max. temp.	Maximum operating pressure	Dimension				Weight	
							A		B			
	gal	L					in	mm	in	mm	lb	kg
HGTV-30	13	50	1"	12 PSI	240°F	115 PSI	14.9	380	25.3	645	25	12
HGTV-40	21	80	1"	12 PSI	240°F	115 PSI	17.7	450	26.7	680	29	13
HGTV-60	26	100	1"	12 PSI	240°F	115 PSI	17.7	450	30.1	765	35	16
HGTV-90	40	150	1¼"	12 PSI	240°F	115 PSI	19.7	500	41.1	1045	49	22
HGTV-110	57	215	1¼"	12 PSI	240°F	115 PSI	19.7	500	52.1	1325	77	35
HGTV-150	74	280	1¼"	12 PSI	240°F	115 PSI	19.7	500	63.1	1605	102	46



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 separate water from touching 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 a CALEFACTIO model HGTV-_____ 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.

Quebec (Canada)

T 450 951.0818

F 450 951.2165

info@calefactio.com

calefactio.com

