HGT SERIES / Fixed bladder expansion tank

PROJECT

Representative: _____ Project: _____

Date Submitted: _____ Submitted by: _____

Date Approved: _____ Approved by: _____

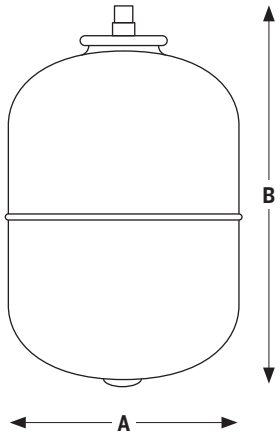
Model Number: _____ Quantity: _____

DESCRIPTION

The expansion tank from the HGT Series are offered in sizes going from 2 to 13 gallons. These expansion tanks are build of two welded part 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. MNPT	Pre-charge	Max. temp.	Maximum operating pressure	Dimension				Weight	
							A		B			
	gal	L					in	mm	in	mm	lb	kg
HGT-15	2.1	8	½"	12 PSI	240°F	115 PSI	7.9	200	13.7	348	5	2
HGT-30	4.8	18	½"	12 PSI	240°F	115 PSI	10.6	270	16.3	415	9	4
HGT-60M	6	23	½"	12 PSI	240°F	115 PSI	10.6	270	18.9	480	9.25	4.2
HGT-60	8	30	½"	12 PSI	240°F	115 PSI	13.8	350	17.9	455	14	6
HGT-90	13	50	1"	12 PSI	240°F	115 PSI	14.9	380	23.0	585	23	10



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 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 HGT-_____ 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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