

QUICK SIZING CHART FOR EXPANSION TANKS



HGT/HGTV – HEATING TANKS

AVERAGE INSTALLATION TEMPERATURE

UNIT (L/gal)	100 °F	110 °F	120 °F	130 °F	140 °F	150 °F	160 °F	170 °F	180 °F	190 °F	200 °F	210 °F	220 °F	230 °F	240 °F
379/100	HGT15	HGT15	HGT30	HGT30	HGT30	HGT30	HGT60	HGT60	HGT60	HGT60	HGT90	HGT90	HGT90	HGT90	HGT90
757/200	HGT30	HGT30	HGT60	HGT60	HGT60	HGT90	HGT90	HGT90	HGTV40	HGTV40	HGTV40	HGTV40	HGTV60	HGTV60	HGTV60
1136/300	HGT30	HGT60	HGT60	HGT90	HGT90	HGTV40	HGTV40	HGTV40	HGTV40	HGTV60	HGTV90	HGTV90	HGTV90	HGTV90	HGTV90
1514/400	HGT60	HGT60	HGT90	HGT90	HGTV40	HGTV40	HGTV40	HGTV60	HGTV90	HGTV90	HGTV90	HGTV90	HGTV110	HGTV110	HGTV110
1893/500	HGT60	HGT90	HGT90	HGTV40	HGTV40	HGTV60	HGTV60	HGTV90	HGTV90	HGTV90	HGTV110	HGTV110	HGTV110	HGTV150	HGTV150
2271/600	HGT90	HGT90	HGTV40	HGTV40	HGTV60	HGTV60	HGTV90	HGTV90	HGTV110	HGTV110	HGTV110	HGTV150	HGTV150		
2650/700	HGT90	HGTV40	HGTV40	HGTV60	HGTV90	HGTV90	HGTV90	HGTV110	HGTV110	HGTV110	HGTV150				
3028/800	HGT90	HGTV40	HGTV40	HGTV60	HGTV90	HGTV90	HGTV110	HGTV110	HGTV110	HGTV150					
3407/900	HGT90	HGTV40	HGTV60	HGTV90	HGTV90	HGTV90	HGTV110	HGTV110	HGTV150						
3785/1000	HGTV40	HGTV40	HGTV60	HGTV90	HGTV90	HGTV110	HGTV110	HGTV150							

Note: This sizing tool is based on a minimal pressure of 12 PSI, maximal pressure of 30 PSI and initial water temperature of 40°F.

HGT/HGTV – HEATING DEVICE TYPE

Boiler net output (MBH)	Fine tube baseboard or radiant panel	Convectors or unit heaters	Cast iron radiators	Cast iron baseboard
25	HGT15	HGT15	HGT15	HGT15
50	HGT15	HGT15	HGT30	HGT30
75	HGT30	HGT30	HGT30	HGT60
100	HGT30	HGT30	HGT60	HGT60
125	HGT30	HGT60	HGT60	HGT90
150	HGT30	HGT60	HGT90	HGT90
175	HGT60	HGT60	HGT90	HGT90
200	HGT60	HGT60	HGT90	HGT90
250	HGT60	HGT90	HGT90	HGTV40
300	HGT90	HGT90	HGT90	HGTV40
350	HGT90	HGT90	HGTV40	HGTV60
400	HGT90	HGTV40	HGTV40	HGTV60
500	HGTV40	HGTV60	HGTV90	HGTV60
600	HGTV40	HGTV90	HGTV90	HGTV60
700	HGTV60	HGTV90	HGTV90	HGTV60
800	HGTV60	HGTV110	HGTV110	HGTV90
900	HGTV60	HGTV110	HGTV110	HGTV90
1000	HGTV90	HGTV110	HGTV110	HGTV90
1100	HGTV90	HGTV110	HGTV110	HGTV150
1200	HGTV90	HGTV110	HGTV110	HGTV150
1300	HGTV90	HGTV110	HGTV150	HGTV150
1400	HGTV110	HGTV150	HGTV150	HGTV150
1500	HGTV110	HGTV150	HGTV150	2X HGTV110

Information in this document is founded on the most recent data available at the moment of its publication and is meant for a general presentation of our products. The accuracy of this information cannot be guaranteed. Our products are steadily enhanced and their technical specifications can be modified without prior notice.

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CALEFACTIO THERMAL SIZING CHARTS

Water heater size (U.S. Gallons)	MAXIMUM TEMPERATURE SETTING 140°F		
	Static Supply Pressure		
	40 PSI	60 PSI	80 PSI
40	HGTE/FTTE-5	HGTE/FTTE-5	HGTE/FTTE-5
50	HGTE/FTTE-5	HGTE/FTTE-5	HGTE/FTTE-5
60	HGTE/FTTE-8	HGTE/FTTE-8	HGTE/FTTE-8
80	HGTE/FTTE-8	HGTE/FTTE-8	HGTE/FTTE-12
120	HGTE/FTTE-12	HGTE/FTTE-12	HGTE/FTTE-25

Water heater size (U.S. Gallons)	MAXIMUM TEMPERATURE SETTING 160°F		
	Static Supply Pressure		
	40 PSI	60 PSI	80 PSI
40	HGTE/FTTE-5	HGTE/FTTE-5	HGTE/FTTE-8
50	HGTE/FTTE-5	HGTE/FTTE-8	HGTE/FTTE-8
60	HGTE/FTTE-8	HGTE/FTTE-8	HGTE/FTTE-12
80	HGTE/FTTE-8	HGTE/FTTE-12	HGTE/FTTE-25
120	HGTE/FTTE-12	HGTE/FTTE-25	HGTE/FTTE-25

Water heater size (U.S. Gallons)	MAXIMUM TEMPERATURE SETTING 180°F		
	Static Supply Pressure		
	40 PSI	60 PSI	80 PSI
40	HGTE/FTTE-8	HGTE/FTTE-8	HGTE/FTTE-8
50	HGTE/FTTE-8	HGTE/FTTE-8	HGTE/FTTE-12
60	HGTE/FTTE-8	HGTE/FTTE-12	HGTE/FTTE-25
80	HGTE/FTTE-25	HGTE/FTTE-25	HGTE/FTTE-25
120	HGTE/FTTE-25	HGTE/FTTE-25	HGTE/FTTE-25

***Sizing based on:** 40°F incoming water temperature; 150 psi T&P safety release valve; pre-charge equal to static supply valve.

If you intend to use these tanks for a special application, call our agents to check compatibility and suitability.

These devices should be installed by qualified and accredited professionals in accordance with the plumbing code and current local regulations. By design, these tanks are meant for heating systems, or hot water distribution systems and can be used at a maximum working pressure of 90 to 150 PSIG (depending on the model). Please note that the maximum pressure allowed in Canada is 30 PSIG and that the maximum service temperature is set at 200°F for thermal tanks, 240°F for heating tanks and 315°F for high temperature. Any use different than foreseen or any important or sudden pressure change over indicated limits above is **DANGEROUS** and can result in material damages, serious injuries and can even cause death.

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.