

THERMAL EXPANSION TANK SERIES DIMENSIONS

Model	Total Tank Volume		Height		Diameter		Connection	Total Weight	
	gallons	liters	in	cm	in	cm		lbs	kg
PH 5	2.1	8	11.6	30	8	20	3/4" MNPT	5	2.3
PH 12	4.8	18	14.5	37	11	28	3/4" MNPT	10	4.6
PH 25	9	32	18.9	48.1	12.5	31.8	3/4" MNPT	15.4	7

Maximum working pressure 150 psig

Maximum working temperature (internal and external) 200°F (93°C)

Tank pre-charge 40 psig

Note. PH Series tanks are certified to NSF Standard 61 Domestic Hot, but are suitable for temperatures up to 200°F (93°C)

THERMAL EXPANSION TANK SERIES SIZING CHART

Water Heater Size / Volume	Maximum Water Temperature			
	130°F (54.4°C)	140°F (60°C)	160°F (71.1°C)	180°F (82.2°C)
30 Gallons (113.6 L)	PH 5	PH 5	PH 5	PH 5
40 Gallons (151.4 L)	PH 5	PH 5	PH 5	PH 5
50 Gallons (189.3 L)	PH 5	PH 5	PH 5	PH 12
60 Gallons (227.1 L)	PH 5	PH 5	PH 5	PH 12
80 Gallons (302.8 L)	PH 5	PH 12	PH 12	PH 12
100 Gallons (378.5 L)	PH 12	PH 12	PH 12	PH 25
120 Gallons (454.2 L)	PH 12	PH 12	PH 12	PH 25
150 Gallons (567.8 L)	PH 12	PH 12	PH 25	PH 25
175 Gallons (662.4 L)	PH 12	PH 25	PH 25	PH 25

Sizing based on water heater recovery from 40°F (4°C), water supply pressure of 60 psig, and relief valve set at 150 psig.

Adjust tank precharge to equal incoming water pressure.