

SINCE 1908
wessels
 company

SUBMITTAL

TYPE: T-STYLE SAFETY CELL NON-ASME
 THERMAL EXPANSION TANK

MODELS: T-5 thru T-325V

Submittal Sheet No. T-3546

Date: 11-01

JOB _____ Unit Tag No. _____ Engineer _____ Contractor _____	Wessels Representative _____ _____ _____ Order No. _____ Date _____ Submitted By _____ Date _____ Approved By _____ Date _____
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DESCRIPTION

Wessels T-style Safety-Cell® tanks are non-ASME diaphragm type pre-charged thermal expansion tanks specifically designed for the protection of potable hot water systems. The tank is designed for installation between the backflow preventer and the water heater to accept expanded potable hot water, keeping system pressures below relief valve settings. The water is contained in a fully lined Epitaxial® water reservoir with a butyl diaphragm separating the stored expanded water from the vital air cushion.

CONSTRUCTION

Shell: Carbon steel
 Diaphragm: Double Clamped Butyl (FDA Approved)
 Liner: Epitaxial®
 Finish: Urethane exterior
 System Connection - Stainless Steel

PERFORMANCE LIMITATIONS

Maximum Design Temperature: 240°F
 Maximum Design Pressure: 150 PSI
 Factory pre-charged: 40 PSI

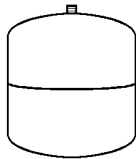


Listed Materials

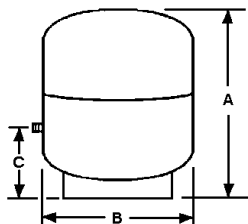


Models

T-5 T-12
 T-25 T-30



Model Number	M.W.P. (p.s.i.g.)	Capacity (gal.)		System Connection (in.)	Dimensions		Approx. Weight (lbs.)	Qty. Required
		Tank Volume	Accept. Volume		Diameter (in.)	Height (in.)		
T-5	150	2.1	1.3	3/4	7.9	10.8	5	
T-12	150	4.8	2.9	3/4	10.6	13.7	9	
T-25	150	9.3	5.5	1	11.8	15.4	18	
T-30	150	13.2	7.8	1	15.0	21.0	23	



Model	MWP (psig)	Total Vol. Gallons	Accept. Vol. Gallons	System Conn.	A	B	C	Wt. (Lbs.)	QTY REQ.D
T-42V	150	21	15	1"	23.6	17.7	7 3/4	33	
T-60V	150	40	28	1-1/4"	35.2	19.7	8	60	
T-80V	150	53	37	1-1/4"	33.9	23.6	9	81	
T-180V	150	79	56	1-1/4"	44.7	24.8	9 1/2	105	
T-260V	150	106	74	1-1/4"	57.1	24.8	9 1/2	145	
T-325V	150	132	93	1-1/4"	53.1	29.5	11	190	

HEADQUARTERS & FACTORY:
 101 TANK ST. • GREENWOOD, IN 46143
 TEL: 317-888-9800 • ORDER FAX: 317-888-9988
 GEN. INQUIRY FAX: 317-865-7411
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