

Commercial Size Hydro-Pneumatic Expansion Tanks

SPECIFICATION DATA



DESCRIPTION

The TL and TAX tanks are designed to absorb hot water expansion in closed heating systems for large installations. They are equipped with butyl diaphragms to separate the air from the system water (glycol). The tanks are welded, they are not a clamp design. Pre-pressurized at 12 psi (83 kPa), the tank keeps fluids circulating and maintains minimum system pressure. Honeywell tanks resist waterlogging, loss of pressure through relief valve spills, loss of BTU's and reduce circulator running time. Use the efficient Honeywell SuperVent or air vents to remove air and micro-bubbles from the system for maximum performance.

SPECIFICATIONS

ASME Construction: Per ASME Section VIII, Div.1.

Materials: Steel shell, heavy duty butyl diaphragm.

System Connection: Forged steel.

Maximum Working Pressure:

- TL125: 125 psi (862 kPa)
- TL175: 175 psi (1206 kPa)
- TL250: 250 psi (1724 kPa)
- TAX125: 125 psi (862 kPa)

Maximum Operating Temp: 240° F (115° C).

Factory Precharged Pressure: 12 psi (83 kPa).

Minimum Clearance for Piping: 18 in. (460 mm).

Table 1. TL Series Expansion Tanks

Product Number 125 psi models	Total Volume Gal. (liter)	Height in inches (mm)	Diameter in inches (mm)	Connection Size in inches	Ship Weight lbs. (kg)		
					125 psi	175 psi	250 psi
TL125-200-L	53 (201)	38 3/8 (975)	24 (610)	1	192 (87)	283 (128)	379 (172)
TL125-300-L	80 (303)	52 3/8 (1330)	24 (610)	1	238 (108)	358 (162)	494 (224)
TL125-400-L	106 (401)	66 1/4 (1683)	24 (610)	1	283 (128)	435 (197)	607 (275)
TL125-500-L	132 (500)	80 1/4 (2038)	24 (610)	1	328 (149)	510 (231)	720 (327)
TL125-600-L	158 (598)	65 (1651)	30 (762)	1 1/2	510 (231)	611 (277)	851 (386)
TL125-800-L	211 (799)	83 (2108)	30 (762)	1 1/2	640 (290)	729 (331)	1030 (467)

NOTE: For 175 psi use model no. TL 175-200-L; for 250 psi use model no. TL 250-200-L; etc.



COMMERCIAL SIZE HYDRO-PNEUMATIC EXPANSION TANKS

Product Number 125 psi models	Total Volume Gal. (liter)	Height in inches (mm)	Diameter in inches (mm)	Connection Size in inches	Ship Weight lbs. (kg)		
					125 psi	175 psi	250 psi
TL125-1000-L	264 (999)	74 (1880)	36 (914)	1 1/2	760 (345)	910 (412)	1419 (644)
TL125-1200-L	317 (1200)	88 1/4 (2242)	36 (914)	1 1/2	864 (392)	1033 (469)	1613 (732)
TL125-1400-L	370 (1401)	100 5/8 (2556)	36 (914)	1 1/2	968 (439)	1169 (530)	1808 (820)
TL125-1600-L	422 (1597)	71 (1803)	48 (1219)	1 1/2	1580 (717)	2094 (950)	2311 (1048)
TL125-2000-L	528 (1999)	85 (2159)	48 (1219)	1 1/2	1810 (821)	2386 (1082)	2677 (1214)

NOTE: For 175 psi use model no. TL 175-200-L; for 250 psi use model no. TL 250-200-L; etc.

Table 2. TAX Series Expansion Tanks

Product Number		Total Volume Gal. (liter)	Accept Volume Gal. (liter)	Dimensions in inches (mm)		Dia. in inches (mm)	Conn. Size in inches	Shipping Weight in Lbs. (kg)	
TAX	TAXV			TAX Length	TAXV Height			TAX	TAXV
TAX-15	TAXV-15	7.8 (29.5)	2.5 (9.5)	19 (483)	19 1/4 (488)	12 (305)	1/2	46 (21)	48 (22)
TAX-20	TAXV-20	10.9 (41.3)	2.5 (9.5)	25 3/4 (654)	26 (660)	12 (305)	1/2	59 (27)	61 (28)
TAX-40	TAXV-40	21.7 (82.1)	11.3 (42.8)	29 1/8 (740)	29 1/2 (749)	16 1/4 (413)	1/2	114 (52)	116 (53)
TAX-60	TAXV-60	33.6 (127.2)	11.3 (42.8)	42 1/2 (1080)	45 1/8 (1146)	16 1/4 (413)	1/2	139 (63)	145 (66)
TAX-80	TAXV-80	44.4 (168.1)	22.6 (85.6)	55 1/4 (1403)	56 (1422)	16 1/4 (413)	1/2	196 (89)	201 (91)
TAX-100	TAXV-100	55.7 (210.8)	22.6 (85.6)	68 1/4 (1734)	69 (1753)	16 1/4 (413)	1/2	231 (105)	237 (108)
TAX-120	TAXV-120	68.0 (257.4)	34.0 (128.7)	40 1/4 (1022)	44 1/4 (1124)	24 (610)	1	233 (106)	285 (129)
TAX-144	TAXV-144	77.0 (291.5)	34.0 (128.7)	45 1/8 (1146)	49 1/8 (1248)	24 (610)	1	256 (116)	299 (136)
TAX-180	TAXV-180	90.0 (340.7)	34.0 (128.7)	52 1/2 (1334)	56 1/2 (1435)	24 (610)	1	286 (130)	305 (138)
TAX-200	TAXV-200	110.0 (416.4)	34.0 (128.7)	63 (1600)	67 (1702)	24 (610)	1	326 (148)	335 (152)
TAX-240	TAXV-240	132.0 (499.7)	46.0 (174.1)	49 1/8 (1248)	53 7/8 (1368)	30 (762)	1	435 (197)	456 (207)

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