FLEXCON INDUSTRIES®

A Swan Group Company

SUBMITTAL

WHV-C SERIES

DOMESTIC HOT WATER EXPANSION TANKS

Models: WHV 1000-C to WHV 15000-C

Rev 4/20

Job Name _____ Submitted By _____ Date _____

Location _____ Approved By _____ Date _____

_____ Order No. _____ Date _____

Engineer _____ Notes _____

Contractor _____ _____

Sales Rep. _____ _____

Description:

Flexcon patented type WHV-C tanks are ASME replaceable bladder type pre-charged domestic hot water expansion tanks for commercial and industrial potable hot water applications. They are designed to be installed between a backflow preventer and a hot water heater so it can accept the expanded volume of hot water and keep the system pressure below the relief valve setting. The water is contained in a butyl bladder. All WHV expansion tanks can be installed vertically or horizontally.

Construction:

Shell: Carbon Steel
Heads: Carbon Steel
Exterior: Carbocoat 140 - Harvester Red Bladder: Heavy Duty Butyl (FDA/CSA/NSF61 Approved)
System Connection: Stainless Steel

Design Parameters:

Maximum Design Pressure: 150 PSIG* / 1034 kpa
Temperature Range: -20°F to 240°F / -29 C to 116 C

Up to 300 PSIG available

Model Number	Wessels Model	Part Number	Tank Volume (Gals/L)	Tagging Information	Quantity
WHV 1000-C	TXA-1000	20011000	264/1000		
WHV 1200-C	TXA-1200	20011200	317/1200		
WHV 1400-C	TXA-1400	20011400	370/1400		
WHV 1600-C	TXA-1600	20011600	422/1600		
WHV 2000-C	TXA-2000	20012000	528/2000		
WHV 2500-C	TXA-2500	20012500	660/2500		
WHV 3000L-C	TXA-3000L	20013000	792/3000		
WHV 3000S-C	TXA-3000S	20013001	792/3000		
WHV 4000-C	TXA-4000	20014000	1056/4000		
WHV 5000-C	TXA-5000	20015000	1320/5000		
WHV 7500-C	TXA-7500	20017500	1980/7500		
WHV 10000-C	TXA-10000	20019999	2640/10000		
WHV 15000-C	TXA-15000	20150000	3963/15000		

Typical Specification

Furnish and install, as shown on plans, a _____ gallon _____" diameter X _____" (high) pre-charged steel domestic hot water expansion tank with replaceable FDA approved butyl bladder. The tank shall have a bottom NPT stainless steel system connection and a 0.302"-32 charging valve connection (standard tire valve) to facilitate the on-site charging of the tank to meet system requirements, a pressure gauge, and bladder integrity monitor. The tank shall be fitted with lifting rings and a floor mounting skirt for vertical installation. The tank must be constructed in accordance with most recent addendum of Section VIII Division 1 of the ASME Boiler and Pressure Vessel Code and stamped 150 psi working pressure.

Each tank shall be Flexcon model number WHV_____-C or approved equal.

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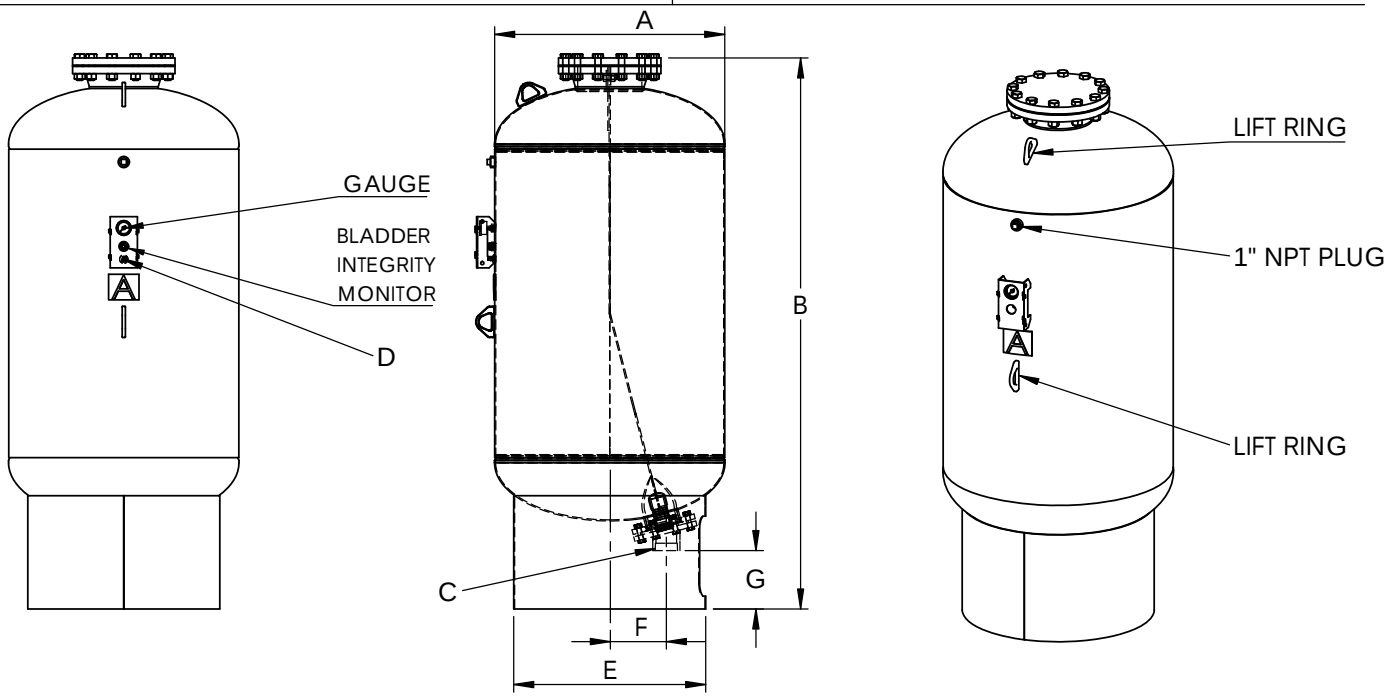
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Dimensions & Weights:

Model Number	Wessels Model	A (in/mm)	B (in/mm)	System Conn. C (in/mm)	Charging Valve D	E (in/mm)	F (in/mm)	G (in/mm)	Approx. Ship Wt. (lbs/kgs)
WHV 1000-C	TXA-1000	36/914	87/2210	3 / 76	.302”-32NC	30/762	8/203	9.125/232	735/333
WHV 1200-C	TXA-1200	36/914	98 ½ /2502	3 / 76	.302”-32NC	30/762	8/203	9.125/232	745/337
WHV 1400-C	TXA-1400	36/914	110 ½/2807	3 / 76	.302”-32NC	30/762	8/203	8.875/225	900/408
WHV 1600-C	TXA-1600	48/1219	84/2134	3 / 76	.302”-32NC	42/1067	9/229	9.125/232	1210/548
WHV 2000-C	TXA-2000	48/1219	96/2438	3 / 76	.302”-32NC	42/1067	9/229	9.125/232	1305/591
WHV 2500-C	TXA-2500	48/1219	110/2794	4 / 102	.302”-32NC	42/1067	9/229	8.875/225	1430/648
WHV 3000L-C	TXA-3000L	48/1219	133/3378	4 / 102	.302”-32NC	42/1067	9/229	9/229	1575/713
WHV 3000S-C	TXA-3000S	60/1524	93/2362	4 / 102	.302”-32NC	54/1372	10/254	9.75/248	2169/983
WHV 4000-C	TXA-4000	60/1524	115/2921	4 / 102	.302”-32NC	54/1372	10/254	9.438/240	2638/1195
WHV 5000-C	TXA-5000	60/1524	138/3505	4 / 102	.302”-32NC	54/1372	10/254	9.875/251	3246/1470
WHV 7500-C	TXA-7500	72/1829	140/3556	4 / 102	.302”-32NC	60/1524	11/279	8/203	4080/1848
WHV 10000-C	TXA-10000	72/1829	172/4369	4 / 102	.302”-32NC	60/1524	11/279	8/203	4920/229
WHV 15000-C	TXA-15000	72/1829	243/6172	4 / 102	.302”-32NC	60/1524	11/279	8/203	6000/2718

Notes:

- Tanks are factory pre-charged at 40 psig / 276 kpa and field adjustable.
- California code-sight glass is available upon request.
- Tanks installed horizontally must have the system connection below the horizontal centerline of the tank.
- Mounting clips are available upon request.
- U.S. Patent No. 8,633,825 B2.

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