



SUBMITTAL

SXHT-CR-SERIES

HVAC EXPANSION TANKS

Models: SXHT 1000-CR to SXHT 15000-CR

Rev. 4/20

Job Name _____ Location _____ _____ Engineer _____ Contractor _____ Sales Rep. _____	Submitted By _____ Date _____ Approved By _____ Date _____ Order No. _____ Date _____ Notes _____ _____ _____
---	--

Description:

Flexcon's SXHT-CR Tanks are ASME removable bladder type pre-charged HVAC expansion tanks. They are designed to absorb the expansion forces and control the pressure in heating/cooling systems. The system's expanded water (fully compatible with water/glycol mixtures) is contained in a full acceptance heavy-duty butyl bladder that prevents tank corrosion and waterlogging problems. All SXHT-CR expansion tanks can be installed vertically or horizontally.

Construction:

Shell: Carbon Steel
 Heads: Carbon Steel
 Exterior: Carbocoat 140 - Harvester Red Interior:
 Heavy Duty Butyl Bladder

Design Parameters:

Maximum Design Pressure: 125 PSIG/ 862 kpa*
 Temperature Range: -20°F to 240°F / -29C to 116 C

Pressures Available: 150PSI 200PSI 250PSI

Model	Wessels Model	Part Number	Tank Volume		Tagging Information	Quantity
			(gal)	(L)		
SXHT 1000-CR	NLA-1000	22011000	264	1000		
SXHT 1200-CR	NLA-1200	22011200	317	1200		
SXHT 1400-CR	NLA-1400	22011400	370	1400		
SXHT 1600-CR	NLA-1600	22011600	422	1600		
SXHT 2000-CR	NLA-2000	22012000	528	2000		
SXHT 2500-CR	NLA-2500	22012500	660	2500		
SXHT 3000L-CR	NLA-3000L	22013000	792	3000		
SXHT 3000S-CR	NLA-3000S	22013001	792	3000		
SXHT 4000-CR	NLA-4000	22014000	1056	4000		
SXHT 5000-CR	NLA-5000	22015000	1320	5000		
SXHT 7500-CR	NLA-7500	22017500	1980	7500		
SXHT 10000-CR	NLA-10000	22019999	2640	10000		
SXHT 15000-CR	NLA-15000	22019998	3963	15000		

Typical Specification

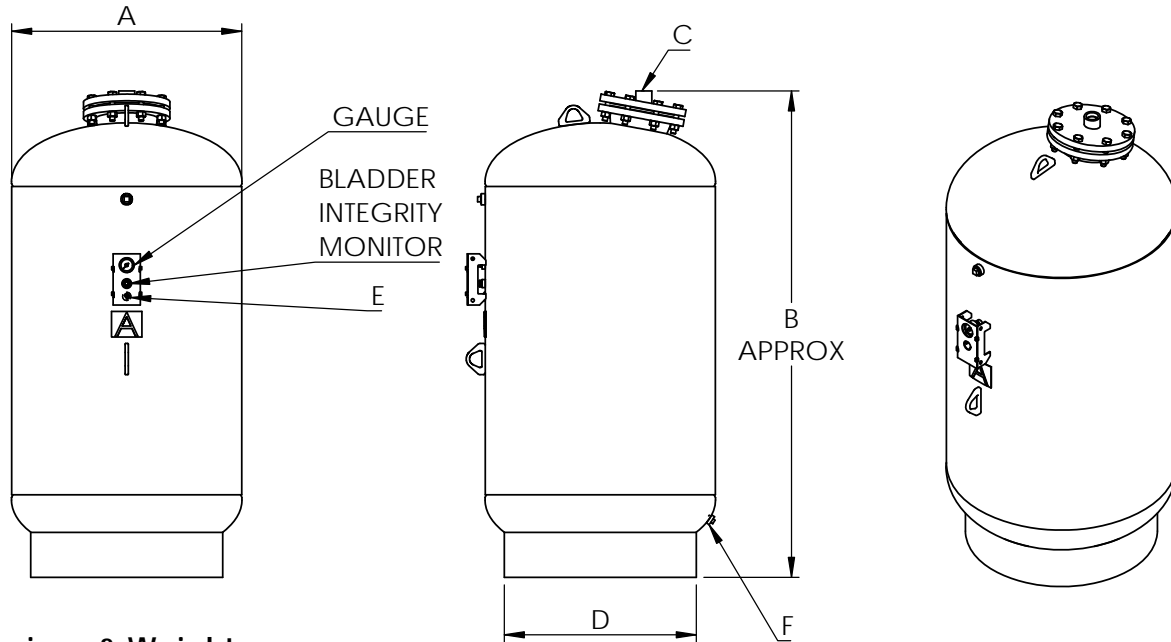
Furnish and install, as shown on plans, a _____ gallon _____" diameter X _____" (high) pre-charged steel HVAC expansion tank with heavy-duty butyl bladder. The tank shall have multiple water-side connections to eliminate stagnate water within the tank, a 0.302"-32 charging valve connection (standard tire valve) to facilitate the on-site charging of the tank to meet system requirements, a pressure gauge, and bladder integrity monitor. The tank must be constructed in accordance with the most recent addendum of Section VIII Division 1 of the ASME Boiler and Pressure Vessel Code and rated for 125 psig.

Each tank shall be Flexcon model number SXHT _____-CR or approved equal.

SXHT-CR-SERIES
HVAC EXPANSION TANKS

Models: SXHT 1000-CR to SXHT 15000-CR

Rev. 4/20



Dimensions & Weights:

Model	Wessels Model	A (in/mm)	B (in/mm)	System Connection C (in/mm)	D (in/mm)	Charging Valve E	Drain F (in/mm)	Approx. Ship Wt. (lbs/kgs)
SXHT 1000-CR	NLA-1000	36/914	75/1905	1 ½ NPT/38	30/762	.302"-32NC	¾ NPT/20	552/250
SXHT 1200-CR	NLA-1200	36/914	87/2210	1 ½ NPT/38	30/762		¾ NPT/20	679/308
SXHT 1400-CR	NLA-1400	36/914	99/2515	1 ½ NPT/38	30/762		¾ NPT/20	688/312
SXHT 1600-CR	NLA-1600	48/1219	74/1880	1 ½ NPT/38	42/1067		¾ NPT/20	1046/474
SXHT 2000-CR	NLA-2000	48/1219	87/2210	1 ½ NPT/38	42/1067		¾ NPT/20	1150/522
SXHT 2500-CR	NLA-2500	48/1219	102/2591	2 NPT/51	42/1067		¾ NPT/20	1444/655
SXHT 3000L-CR	NLA-3000L	48/1219	122/3099	2 NPT/51	42/1067		¾ NPT/20	1658/752
SXHT 3000S-CR	NLA-3000S	60/1524	80/2032	2 NPT/51	54/1372		¾ NPT/20	1868/847
SXHT 4000-CR	NLA-4000	60/1524	102/2591	2 NPT/51	54/1372		¾ NPT/20	2238/1015
SXHT 5000-CR	NLA-5000	60/1524	125/3175	2 NPT/51	54/1372		¾ NPT/20	2617/1187
SXHT 7500-CR	NLA-7500	72/1829	127/3226	3 NPT/76	66/1676		1 NPT/25	3768/1709
SXHT 10000-CR	NLA-10000	72/1829	163/4140	3 NPT/76	66/1676		1 NPT/25	4628/2099
SXHT 15000-CR	NLA-15000	72/1829	233/2918	3 NPT/76	66/1676		1 NPT/25	5925/2688

Notes:

- Tanks are factory pre-charged at 40 psig and field adjustable.
- California code-sight glass is available upon request.
- Mounting clips are available upon request.
- Bladder drain is available upon request.
- Tanks installed horizontally must have the system connection below the horizontal centerline of the tank.
- Plug (F) is on the air side of the tank. Do not remove.
- U.S. Patent No. 8,633,825 B2.