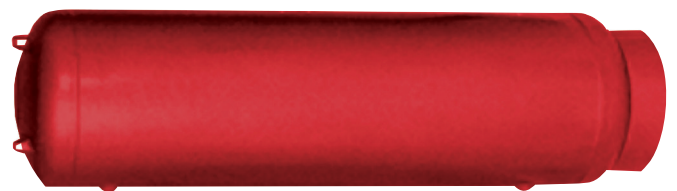




ASME Compression Tanks

Plain steel compression tanks

- Absorbs the expansion forces of system water and provides proper pressurization under varying operating conditions
- Meets ASME section VIII, division 1 standards
- Tanks sizes: 15-505 gallons
- Standard working pressures:
 - 150 PSI for 15-100 gallon tanks
 - 125 PSI for 120-505 gallon tanks
- Higher pressure vessels available (up to 300 PSI)
- High maximum design temperature 650°F
- Gauge glass tapings are standard
- Custom tanks with additional tapings and alternative materials of construction are available



Designed for closed hydronic heating and cooling systems

Plain steel ASME compression tanks

Description

The plain steel compression tank absorbs the expansion forces of the system water and provides proper pressurization under varying operating conditions. When used with Airtrol® Fittings, it provides positive air control.

Construction

These tanks are constructed of carbon steel in accordance with section VIII, division 1 of the ASME boiler and pressure vessel code - and so stamped.

Performance limitations

Maximum design pressure:

- Model 15 through 100 150 PSIG (1034kPa)
- Model 120 through 505 125 PSIG (862kPa)

Maximum design temperature:

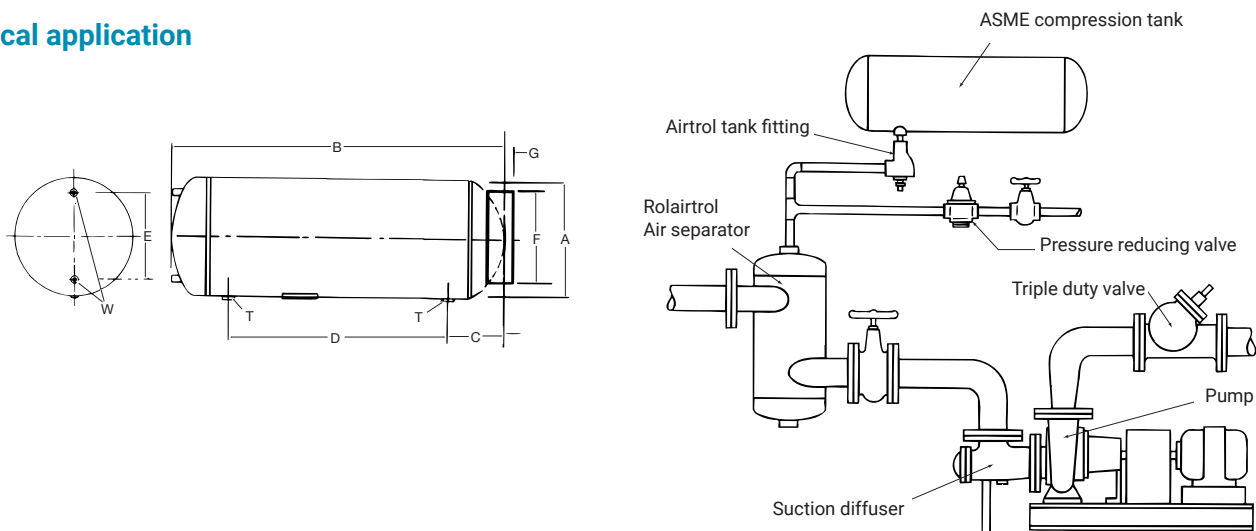
- All models 650°F (343°C)

Dimensions: gallons (ltrs), inches (mm), weights: lbs (kg)

Part Number	Volume Gallons (liters)	Req'd Airtrol tanks fittings	Diameter A (mm)	Length B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Approx. Shpg. Wt.(Kg)
116661	15 (56.8)	AFT-12	12 (304.8)	33 (838.2)	7 (177.8)	8 (203.2)	11 1/2 (292.1)	7/8 (22.23)	1 (25.4)	44 (20)
116662	24 (90.8)	AFT-12	12 (304.8)	51 (1295.4)	7 (177.8)	8 (203.2)	11 1/2 (292.1)	7/8 (22.23)	1 (25.4)	62 (28)
116663	30 (113.6)	AFT-12	14 (355.6)	48 (1219.2)	10 (254)	10 (254)	11 1/2 (292.1)	1 1/8 (28.575)	1 (25.4)	72 (33)
116664	40 (151.4)	AFT-12	14 (355.6)	63 (1600.2)	10 (254)	10 (254)	11 1/2 (292.1)	1 1/8 (28.575)	1 (25.4)	92 (42)
116665	60 (227.1)	AFT-16	16 (406.4)	72 (1828.8)	10 (254)	12 (304.8)	11 1/2 (292.1)	1 1/8 (28.575)	1 (25.4)	120 (54)
116666	80 (302.8)	AFT-20	20 (508)	62 (1574.8)	10 (254)	16 (406.4)	18 (457.2)	1 1/2 (38.1)	1 (25.4)	136 (62)
116667	100 (378.5)	AFT-20 or AFTL	20 (508)	78 (1981.2)	10 (254)	16 (406.4)	18 (457.2)	1 1/2 (38.1)	1 (25.4)	168 (76)
116668	120 (454.2)	AFT-24 or AFTL	24 (609.6)	65 (1651)	11 1/8 (282.575)	20 (508)	18 (457.2)	1 1/2 (38.1)	1 (25.4)	218 (99)
116669	135 (511.1)	AFT-24 or AFTL	24 (609.6)	72 (1828.8)	11 1/8 (282.575)	20 (508)	18 (457.2)	1 1/2 (38.1)	1 (25.4)	238 (108)
116670	175 (662.5)	AFTL	30 (762)	62 (1574.8)	13 1/12 (342.9)	22 (558.8)	24 (609.6)	2 (50.8)	1 1/2 (38.1)	338 (153)
116671	220 (832.8)	AFTL	30 (762)	77 (1955.8)	13 1/12 (342.9)	22 (558.8)	24 (609.6)	2 (50.8)	1 1/2 (38.1)	368 (167)
116672	240 (908.5)	AFTL	30 (762)	84 (2133.6)	13 1/12 (342.9)	22 (558.8)	24 (609.6)	2 (50.8)	1 1/2 (38.1)	394 (179)
116673	305 (1154.6)	AFTL	30 (762)	105 3/4 (2686.1)	13 1/12 (342.9)	22 (558.8)	24 (609.6)	2 (50.8)	1 1/2 (38.1)	486 (220)
116674	400 (1514.2)	AFTL	36 (914.4)	92 1/2 (2349.5)	14 3/4 (374.65)	28 (711.2)	30 (762)	2 1/2 (63.5)	1 1/2 (38.1)	645 (293)
116675	505 (1911.6)	AFTL	36 (914.4)	120 (3048)	14 3/4 (374.65)	28 (711.2)	N/A	N/A	1 1/2 (38.1)	810 (367)

Dimensions subject to change. Not to be used for construction purposes.

Typical application



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