

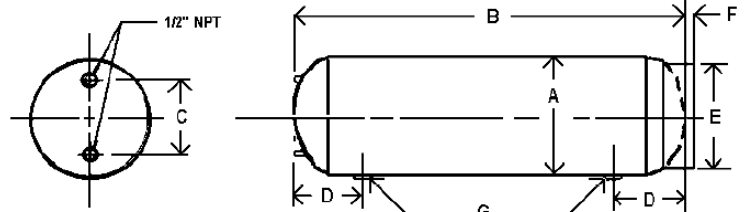
AET Series - Expansion Tanks (ASME)

SUBMITTAL

JOB: _____	REPRESENTATIVE: _____	
ENGINEER: _____	ORDER NO: _____	DATE: _____
CONTRACTOR: _____	SUBMITTED BY: _____	DATE: _____
	APPROVED BY: _____	DATE: _____

MODEL NO. ORDERED: _____ QTY.: _____
 TAG NO.: _____
 OPTIONAL SADDLES REQUIRED: YES NO
 FINISH: ONE (1) COAT PRIMER GALVANIZED
 CHARGE PRESSURE: _____ psi/kPa
Standard factory charge is 12 psi (83 kPa) unless otherwise specified.

- Not for Domestic Potable Water Systems.
- Designed and Constructed per ASME Section VIII, Division 1.
- Gauge tappings included (gauge & fittings by others).



MAXIMUM OPERATING CONDITIONS	
Working Temperature	450°F (232°C)
Working Pressure	See table below.

TYPICAL SPECIFICATION

Furnish and install, as shown on the plans, a ____ gal. (L), ____ dia. x ____ long Armstrong Model AET plain steel expansion tank. The tank, shall have NPT System connection, glass gauge tappings and drain. Tank shall be furnished with a base ring for vertical storage or optional saddles for horizontal mount (see note #3). The tank shall be constructed and stamped in accordance with section VIII of the ASME Boiler & Pressure Vessel Code.

MATERIALS OF CONSTRUCTION	
Shell	Carbon Steel
Heads	Carbon Steel

Model	Tank Volume gal. (L)	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	F in. (mm)	G NPT in. (mm)	Working Pressure psi (kPa)	Weight	
										Painted lbs. (kg)	Galvanized lbs. (kg)
AET 12X33	15 (57)	12 (305)	33.00 (838)	8 (203)	7.00 (178)	11.50 (292)	0.88 (22)	1.0 (25)	150 (1034)	44 (20)	49 (22)
AET 12X51	24 (91)	12 (305)	51.00 (1295)	8 (203)	7.00 (178)	11.50 (292)	0.88 (22)	1.0 (25)	150 (1034)	62 (28)	69 (31)
AET 14X48	30 (114)	14 (356)	48.00 (1219)	10 (254)	10.00 (254)	11.50 (292)	1.13 (29)	1.0 (25)	150 (1034)	72 (33)	80 (36)
AET 14X63	40 (151)	14 (356)	63.00 (1600)	10 (254)	10.00 (254)	11.50 (292)	1.13 (29)	1.0 (25)	150 (1034)	92 (42)	102 (46)
AET 16X72	60 (227)	16 (406)	72.00 (1829)	12 (305)	10.00 (254)	11.50 (292)	1.13 (29)	1.0 (25)	150 (1034)	120 (55)	134 (61)
AET 20X62	80 (303)	20 (508)	62.50 (1588)	16 (406)	10.00 (254)	18.00 (457)	1.50 (38)	1.0 (25)	125 (862)	136 (62)	151 (69)
AET 20X78	100 (379)	20 (508)	78.00 (1981)	16 (406)	10.00 (254)	18.00 (457)	1.50 (38)	1.0 (25)	125 (862)	168 (76)	187 (85)
AET 24X65	120 (454)	24 (610)	65.00 (1651)	20 (508)	11.13 (283)	18.00 (457)	1.50 (38)	1.0 (25)	125 (862)	218 (99)	238 (108)
AET 24X72	135 (511)	24 (610)	72.00 (1829)	20 (508)	11.13 (283)	18.00 (457)	1.50 (38)	1.0 (25)	125 (862)	238 (108)	258 (117)
AET 30X62	175 (662)	30 (762)	62.25 (1581)	22 (559)	13.50 (343)	24.00 (610)	2.00 (51)	1.5 (38)	125 (862)	338 (154)	361 (164)
AET 30X77	220 (833)	30 (762)	77.00 (1956)	22 (559)	13.50 (343)	24.00 (610)	2.00 (51)	1.5 (38)	125 (862)	368 (167)	396 (180)
AET 30X84	240 (908)	30 (762)	84.00 (2134)	22 (559)	13.50 (343)	24.00 (610)	2.00 (51)	1.5 (38)	125 (862)	394 (179)	424 (193)
AET 30X105	305 (1154)	30 (762)	105.75 (2686)	22 (559)	13.50 (343)	24.00 (610)	2.00 (51)	1.5 (38)	125 (862)	486 (221)	523 (238)
AET 36X72	295 (1117)	36 (914)	72.00 (1829)	28 (711)	14.75 (375)	30.00 (762)	2.50 (64)	1.5 (38)	125 (862)	502 (228)	540 (245)
AET 36X93	400 (1514)	36 (914)	92.50 (2350)	28 (711)	14.75 (375)	30.00 (762)	2.50 (64)	1.5 (38)	125 (862)	645 (293)	686 (312)
AET 36X120	505* (1911)	36 (914)	120.00 (3048)	28 (711)	14.75 (375)	—	—	1.5 (38)	125 (862)	810 (368)	844 (384)
AET 42X96	525* (1987)	42 (1067)	96.00 (2438)	28 (711)	18.00 (457)	—	—	2.0 (51)	125 (862)	895 (406)	928 (422)

- Notes:
1. Plugged inspection openings (qty 2 - 2.0" each) are provided on 175 to 505 gallon tanks (662 L to 1911 L respectively).
 2. An inspection Manhole is furnished on the 525 gal. (1987 L) tank. Manhole dimensions are 12" x 16" (305 mm x 406 mm).
 3. Base Ring are not provided on 505 and 525 gal. tank (1911 L and 1987 L respectively).

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