

AX-V Series - Pre-Charged (ASME) Vertical Expansion Tank

SUBMITTAL

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

MODEL NO. ORDERED: _____ QTY.: _____
 TAG NO.: _____
 CHARGE PRESSURE: _____ psi/kPa
Standard factory charge is 12 psi (83 kPa) unless otherwise specified.

- **Not for Domestic Potable Water Systems.**
- **California Code Sight-Glass available upon request.**
- **Designed and Constructed per ASME Section VIII, Division 1.**

MAXIMUM OPERATING CONDITIONS

Working Temperature	240°F (115°C)
Working Pressure	125 psi (862 kPa)

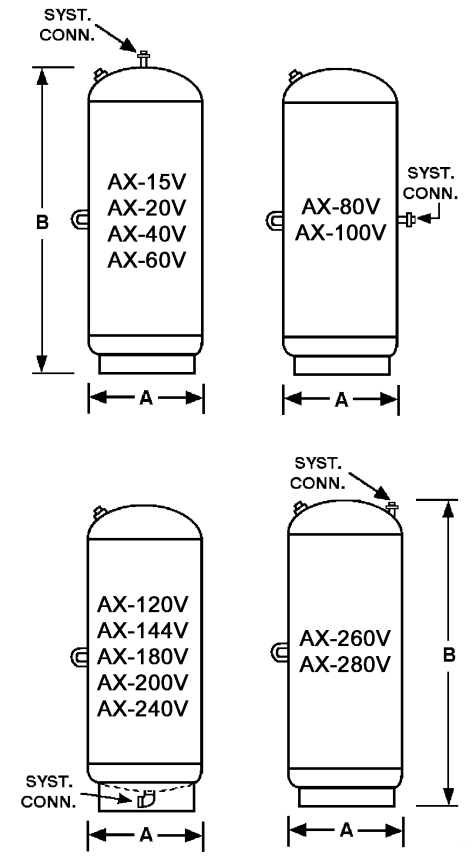
MATERIALS OF CONSTRUCTION

Shell	Steel
Diaphragm	Heavy Duty Butyl

TYPICAL SPECIFICATION

Furnish and install, as shown on the plans, Armstrong Model AX-____ V ASME Pre-charged Diaphragm Expansion Tank, stamped 125 psi (862 kPa) working pressure. Each tank will be supplied with a heavy duty butyl diaphragm. Tank shall be supplied with a ring base, lifting rings, NPT system connection. An air charging valve connection (standard tire valve) shall be provided to facilitate adjusting pre-charge pressure to meet actual system conditions.

Model	Tank Volume	Acceptance Volume	A	B	System Connection NPT	Shipping Weight
	gal. (L)	gal. (L)				
AX-15V	8.0 (30.3)	2.8 (10.6)	12 (305)	19 (483)	0.50 (13)	44 (20)
AX-20V	11.0 (41.6)	2.8 (10.6)	12 (305)	26 (660)	0.50 (13)	47 (21)
AX-40V	22.0 (83.3)	12.5 (47.3)	16 (406)	30 (762)	0.50 (13)	91 (41)
AX-60V	34.0 (128.7)	12.5 (47.3)	16 (406)	45 (1143)	0.50 (13)	111 (50)
AX-80V	44.0 (166.5)	23.2 (87.8)	16 (406)	56 (1422)	0.50 (13)	147 (67)
AX-100V	56.0 (212.0)	23.2 (87.8)	16 (406)	69 (1753)	0.50 (13)	167 (76)
AX-120V	67.0 (253.6)	35.6 (134.7)	24 (610)	44 (1118)	1.00 (25)	225 (102)
AX-144V	77.0 (291.4)	42.5 (160.9)	24 (610)	50 (1270)	1.00 (25)	245 (111)
AX-180V	91.0 (344.4)	42.5 (160.9)	24 (610)	56 (1422)	1.00 (25)	265 (120)
AX-200V	111.0 (420.1)	53.0 (200.6)	24 (610)	67 (1702)	1.00 (25)	295 (134)
AX-240V	132.0 (499.6)	69.3 (262.3)	30 (762)	54 (1372)	1.00 (25)	425 (193)
AX-260V	158.0 (598.0)	79.0 (299.0)	30 (762)	60 (1524)	1.25 (32)	475 (216)
AX-280V	211.0 (798.6)	114.8 (434.5)	30 (762)	78 (1981)	1.25 (32)	746 (339)



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