

AURORA® 1060DP Series - Pre-Charged (ASME) for Potable Water

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

MODEL NO. ORDERED: _____ QTY.: _____
TAG NO.: _____
ASME CERTIFICATION REQUIRED: <input type="checkbox"/> YES <input type="checkbox"/> NO
CHARGE PRESSURE: _____ psi/kPa
Standard factory charge is 40 psi (276 kPa) unless otherwise specified.

- For Domestic Potable Water Systems & Draw down tanks for Pressure Booster Systems.
- Designed and constructed per ASME, Section VIII, Division 1.

MAXIMUM OPERATING CONDITIONS	
Working Temperature	240°F (115°C)
Working Pressure	150 psi (1034 kPa)

TYPICAL SPECIFICATION

Furnish and install, as shown on the plans, Aurora Model 1060DP-_____ ASME pre-charged diaphragm Expansion Tank, stamped 150 psi (1034 kPa) working pressure. Each tank will be supplied with a heavy duty FDA approved butyl diaphragm. Tank sizes AST-20 to AST-210 shall be supplied with a ring base, lifting rings, and 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.

MATERIALS OF CONSTRUCTION	
Shell	Carbon Steel
Liner	Polypropylene
System Connection	Stainless Steel
Fixed Diaphragm	Butyl – FDA approved

Model	Tank Volume	Acceptance Volume	A	B	System Connection NPT	Shipping Weight
	gal. (L)	gal. (L)	in. (mm)	in. (mm)	in. (mm)	lbs. (kg)
1060DP-5	3.5 (13)	2.1 (8.0)	10 (254)	14 (356)	0.75 (19)	22 (10)
1060DP-12	5.0 (19)	3.2 (12.1)	12 (305)	14 (356)	0.75 (19)	28 (13)
1060DP-20	8.0 (30)	3.2 (12.1)	12 (305)	20 (508)	0.75 (19)	34 (15)
1060DP-30	15.0 (57)	10.0 (37.9)	16 (406)	23 (584)	1.00 (25)	64 (29)
1060DP-42	22.0 (83)	14.9 (56.4)	16 (406)	32 (813)	1.00 (25)	88 (40)
1060DP-60	26.0 (98)	15.7 (59.4)	16 (406)	34 (864)	1.00 (25)	93 (42)
1060DP-80	60.0 (227)	22.0 (83.3)	20 (508)	49 (1245)	1.00 (25)	175 (80)
1060DP-100	45.0 (170)	21.0 (79.5)	20 (508)	38 (965)	1.00 (25)	148 (67.1)
1060DP-125	60.0 (227)	21.0 (79.5)	20 (508)	49 (1245)	1.00 (25)	175 (79.4)
1060DP-160	70.0 (265)	52.5 (198.7)	24 (610)	46 (1168)	1.5 (38)	259 (118)
1060DP-180	80.0 (303)	53.0 (200.6)	24 (610)	49 (1245)	1.50 (38)	268 (122)
1060DP-210	90.0 (341)	53.0 (200.6)	24 (610)	52 (1321)	1.50 (38)	283 (129)

