

Submittal Data Information

CA Expansion Tanks

401-083

SUPERSEDES: July 30, 2014

EFFECTIVE: December 1, 2014

JOB _____ ENGINEER _____ CONTRACTOR _____ REP. _____

ITEM NO.	LOCATION	MODEL NO.	QUANTITY	PRE-CHARGE *	WORKING PRESSURE
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* Unless otherwise specified, standard pre-charge of 12 psi (83 kPa).

SPECIFICATIONS

- Designed and constructed per ASME Code Section VIII, Div. 1.
- Construction: Carbon Steel with exterior red oxide primer finish
- Standard Design Pressure and Temperature: 125 psi @ 240°F (862 kPa @ 116°C) Max.
- Registered with the National Board of Pressure Vessel Manufacturers
- U-1A Data Report
- Bladder type for permanent separation of air and water.
- Water expands into bladder, air pre-charge on shell side.
- Bladder – Heavy Duty Butyl, removable for inspection.

Suitable for Vertical or Horizontal Installation

Optional Design Pressures and Temperatures

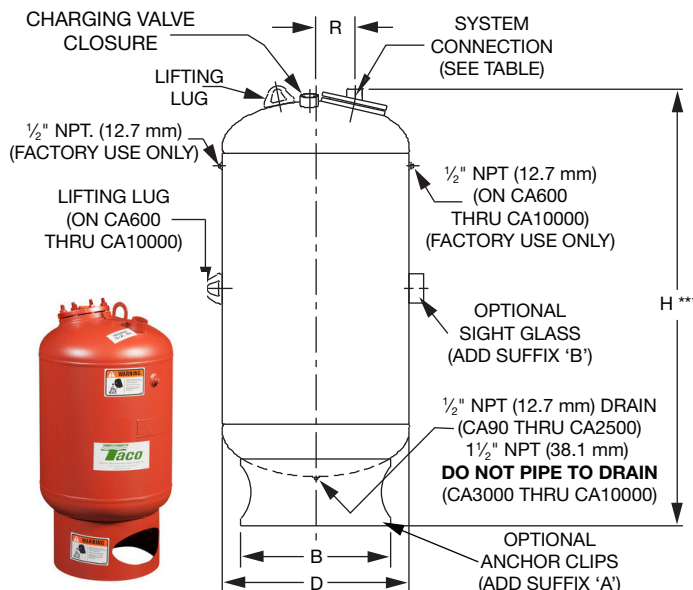
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|---|---|
| ☐ 150 psi @ 240°F (1034 kPa @ 116°C) | ☐ 125 psi @ 280°F (862 kPa @ 138°C) |
| ☐ 175 psi @ 240°F (1207 kPa @ 116°C) | ☐ 150 psi @ 280°F (1034 kPa @ 138°C) |
| ☐ 250 psi @ 240°F (1724 kPa @ 116°C) | ☐ 175 psi @ 280°F (1207 kPa @ 138°C) |
| ☐ 300 psi @ 240°F (2069 kPa @ 116°C) | ☐ 250 psi @ 280°F (1724 kPa @ 138°C) |
| | ☐ 300 psi @ 280°F (2069 kPa @ 138°C) |

Optional System Connection Materials, "For Potable Water Use", Non NSF/ANSI 61-G

- ☐
- [K] 304 Stainless Steel

Additional Options

- ☐
- [A] Anchor Clips
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- ☐
- [B] Bulls Eye Sight Glass



MODEL NUMBER	TANK VOLUME		H HEIGHT ***		B DIAMETER		D DIAMETER		R RADIUS		SHIPPING WEIGHT **		SYSTEM CONNECTION SIZE	
	GAL.	liter	INCH	mm	INCH	mm	INCH	mm	INCH	mm	LBS.	kg	Imperial	metric
CA90-125	23	90	29 1/8	740	16	406	20	508	4 1/4	108	120	155	1" NPT	25.4mm
CA140-125	37	140	40 1/8	1019	16	406	20	508	4 1/2	114	195	88	1" NPT	25.4mm
CA215-125	57	215	58 7/8	1495	16	406	20	508	4 1/2	114	290	132	1" NPT	25.4mm
CA300-125	79	300	57 3/4	1467	20	508	24	610	5	127	320	145	1 1/2" NPT	38.1mm
CA450-125	119	450	77 3/8	1965	20	508	24	610	5	127	400	181	1 1/2" NPT	38.1mm
CA500-125	132	500	85 3/4	2178	20	508	24	610	5	127	420	191	1 1/2" NPT	38.1mm
CA600-125	158	600	71 7/8	1826	24	610	30	762	6 1/4	159	460	209	1 1/2" NPT	38.1mm
CA700-125	185	700	80 5/8	2048	24	610	30	762	6 1/4	159	525	238	1 1/2" NPT	38.1mm
CA800-125	211	800	89 7/8	2283	24	610	30	762	6 1/4	159	590	268	1 1/2" NPT	38.1mm
CA900-125	238	900	73 1/8	1857	30	762	36	914	7 7/16	189	690	313	1 1/2" NPT	38.1mm
CA1000-125	264	1000	79	2007	30	762	36	914	7 7/16	189	790	358	1 1/2" NPT	38.1mm
CA1100-125	291	1100	85 1/4	2165	30	762	36	914	7 7/16	189	865	392	1 1/2" NPT	38.1mm
CA1200-125	317	1200	91	2311	30	762	36	914	7 7/16	189	940	426	1 1/2" NPT	38.1mm
CA1300-125	344	1300	97	2464	30	762	36	914	7 7/16	189	980	445	1 1/2" NPT	38.1mm
CA1400-125	370	1400	103	2616	30	762	36	914	7 7/16	189	1020	463	1 1/2" NPT	38.1mm
CA1500-125	396	1500	73 3/8	1864	40	1016	48	1219	10 15/16	278	1200	544	1 1/2" NPT	38.1mm
CA1600-125	422	1600	76 5/8	1946	40	1016	48	1219	10 15/16	278	1380	626	1 1/2" NPT	38.1mm
CA1800-125	475	1800	83 1/2	2121	40	1016	48	1219	10 15/16	278	1515	687	1 1/2" NPT	38.1mm
CA2000-125	528	2000	90 3/8	2296	40	1016	48	1219	10 15/16	278	1650	748	1 1/2" NPT	38.1mm
CA2500-125	660	2500	107 1/8	2721	40	1016	48	1219	10 15/16	278	1838	834	1 1/2" NPT	38.1mm
CA3000-125	792	3000	94 1/8	2391	44	1118	54	1372	11 7/16	291	2025	919	2" NPT	50.8mm
CA4000-125	1056	4000	120 3/4	3067	44	1118	54	1372	11 7/16	291	2400	1089	2" NPT	50.8mm
CA5000-125	1320	5000	150 1/4	3816	44	1118	54	1372	11 7/16	291	3100	1406	2" NPT	50.8mm
CA7500-125	1980	7500	128 3/4	3270	62	1575	72	1829	11 1/2	292	3850	1746	3" NPT	76.2mm
CA10000-125	2640	10000	158 1/4	4020	62	1575	72	1829	11 1/2	292	4500	2041	3" NPT	76.2mm

** Weight shown is for 125 psi models only. Consult factory for shipping weight of higher design pressure models.

*** Allow 18" minimum clearance above tank for piping system connection.

COMMENTS:

