

PAX Expansion Tanks | Submittal Data

(Potable Water Applications)

Submittal No: 401-084 | Effective: May 28, 2025 | Supersedes: July 26, 2020

JOB: _____

REPRESENTATIVE: _____

ENGINEER: _____

CONTRACTOR: _____

PRODUCT DATA

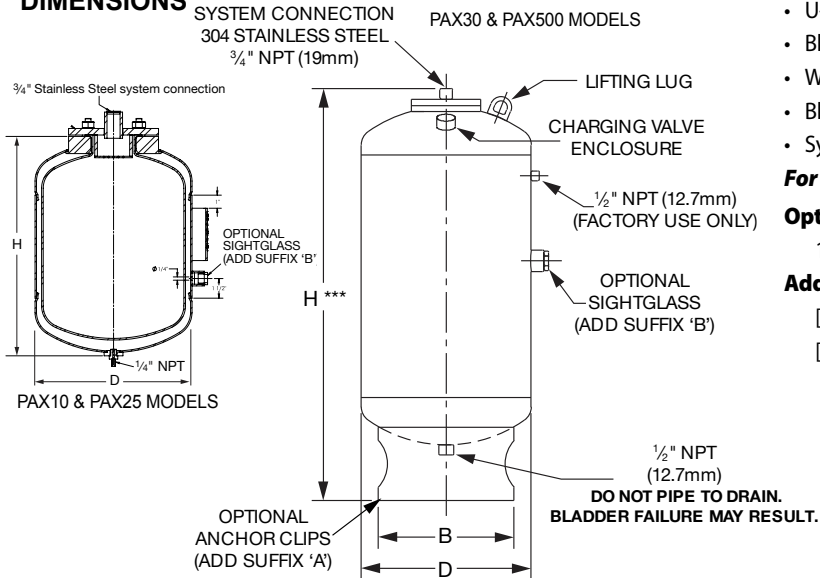
PART NO. _____ MODEL NO. _____

LOCATION _____ QUANTITY _____

PRE-CHARGE* _____ WORKING PRESSURE* _____

*Unless otherwise specified, standard pre-charge of 40 psi (276 kPa).

DIMENSIONS



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: 150 psi @ 240°F (1034 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.
- System Connection Materials 304 Stainless Steel

For Vertical and Horizontal Installation

Optional Design Pressures and Temperatures

175 psi @ 240°F (1207 kPa @ 116°C)

Additional Options

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

*Base Ring & Anchor clips N/A on PAX10 & PAX25 models.

Air Charging Valve located on bottom of tank for PAX10 and PAX25 models



NOTE: **Weight shown is for 150 psi models only. System Connection Size is 3/4" NPT (19mm). Consult factory for shipping weight of higher design pressure models. ***Allow 18" minimum clearance above tank for piping system connections. Unless otherwise specified, standard re-charge is 40 psi (276 kPa).

MODEL NUMBER	TANK VOLUME		ACCEPTANCE VOLUME		H (HEIGHT)***		B (DIAMETER)		D (DIAMETER)		SHIPPING WEIGHT**	
	GAL	LITER	GAL	LITER	IN.	MM.	IN.	MM.	IN.	MM.	LBS.	KG
PAX10-150	2.6	10	1.7	6.5	12	305	N/A	N/A	12	305	40	19
PAX25-150	6.6	25	4	15	20 5/8	502	N/A	N/A	12	305	52	24
PAX30-150	8	30	5	19	24 3/4	629	12	305	14	356	90	41
PAX42-150	11	42	5	19	29 3/4	756	12	305	14	356	105	48
PAX84-150	22	84	12	45	41 1/4	1048	12	305	16	406	150	68
PAX130-150	34	130	19	72	52 1/2	1334	12	305	16	406	200	91
PAX170-150	45	170	24	91	65 3/4	1670	12	305	16	406	240	109
PAX215-150	57	215	31	117	57 7/8	1470	16	406	20	508	250	113
PAX254-150	67	254	34	129	67 1/4	1708	16	406	20	508	280	127
PAX300-150	79	300	43	163	56 1/2	1435	20	508	24	610	300	136
PAX350-150	92	350	43	163	63 5/8	1616	20	508	24	610	330	150
PAX425-150	112	425	61	231	76 5/8	1940	20	508	24	610	380	172
PAX500-150	132	500	61	231	84 7/8	2156	20	508	24	610	425	193

COMMENTS