



SUBMITTAL

**WR-SERIES**  
HYDRO-PNEUMATIC TANKS

Models: WR 500-A thru WR 520-A  
Submittal Sheet No. \_\_\_\_\_

Date: 4/20

Job Name _____	Submitted By _____	Date _____
Location _____	Approved By _____	Date _____
_____	Order No. _____	Date _____
Engineer _____	Notes _____	
Contractor _____	_____	
Sales Rep. _____	_____	

**Description**

Flexcon type WR tanks are ASME replaceable bladder type pre-charged hydro-pneumatic tanks for commercial and industrial well and water systems, booster systems, or other potable water applications. They are designed to deliver water under pressure between pump cycles to provide sufficient flow to meet demands. The water is contained in a butyl bladder. All WR hydro-pneumatic tanks can be installed vertically or horizontally.

**Construction**

Shell: Carbon Steel  
Heads: Carbon Steel  
Exterior: Carbocoat 140-Harvester Red  
Bladder: Heavy duty butyl, FDA Approved, NSF 61 Listed

**Performance Limitations**

Maximum Design Temperature: 240°F / 116 C Maximum  
Design Pressure: 125 PSIG\* / 862 kpa

Pressures Available: 150PSI      200PSI      250PSI

Model Number	Wessels Model	Tank Volume (Gals/L)	Tagging Information	Quantity
WR 500-A	FXA-400	106/400		
WR 505-A	FXA-500	132/500		
WR 510-A	FXA-600	158/600		
WR 520-A	FXA-800L	211/800		

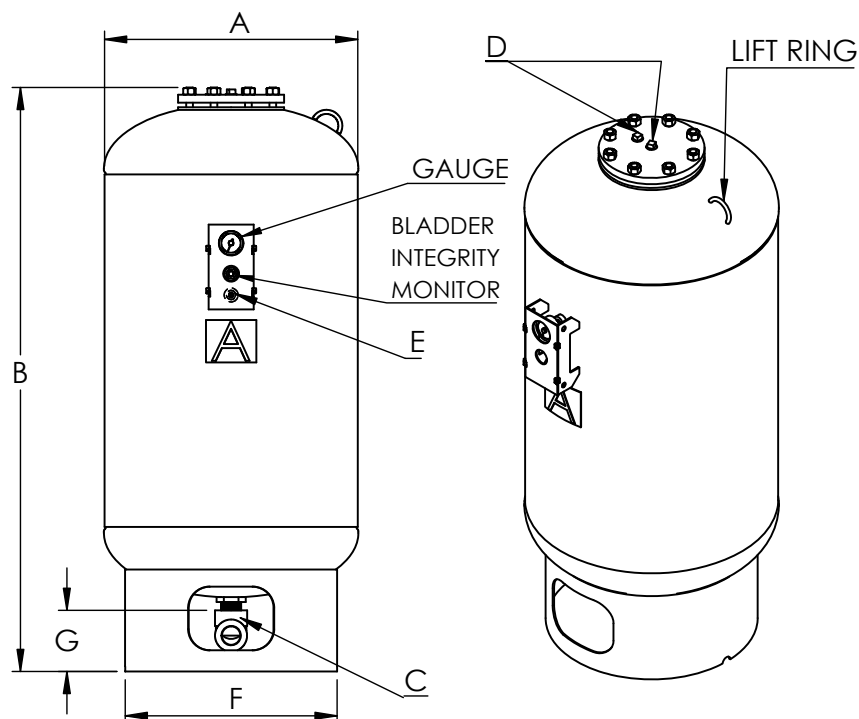


61  
Listed  
Materials

**Typical Specification**

Furnish and install, as shown on plans, a \_\_\_\_\_ gallon \_\_\_\_\_" diameter X \_\_\_\_\_" (high) pre-charged steel hydro-pneumatic tank with replaceable heavy-duty butyl bladder. The tank shall have NPT epoxy lined system connections and a 0.302"-32 charging valve connection (standard tire valve) to facilitate the on-site charging of the tank to meet system requirements. The tank must be constructed in accordance with most recent addendum of Section VIII Division 1 of the ASME Boiler and Pressure Vessel Code.

Each tank shall be Flexcon model number WR \_\_\_\_\_ -A or approved equal.



WR 500-A thru WR 520-A

### Dimensions & Weights

Model Number	Wessels Model	A (inches/mm)	B (inches/mm)	System Connection C	System Connection D
WR 500-A	FXA-400	30/762	49/1245	1 ½ / 38	¾ / 19
WR 505-A	FXA-500	30/762	57/1448	2 / 50	¾ / 19
WR 510-A	FXA-600	30/762	65/1651	2 / 50	¾ / 19
WR 520-A	FXA-800L	32/812	76/1930	2 / 50	¾ / 19

Model Number	Wessels Model	Charging Valve E	F (inches/mm)	G (inches/mm)	Approx. Ship Wt. (lbs/kgs)
WR 500-A	FXA-400	.302"-32NC	24/610	5 ¼ / 133	300/136
WR 505-A	FXA-500	.302"-32NC	24/610	5 ¼ / 133	330/150
WR 510-A	FXA-600	.302"-32NC	24/610	5 ¼ / 133	360/163
WR 520-A	FXA-800L	.302"-32NC	28/712	5 ¼ / 133	475/216

### Notes

- Tanks are factory pre-charged at 30 psi / 206 kpa and field adjustable.
- California code-sight glass is available upon request.
- Both top and bottom connections (C and D) access the bladder.
- Bottom connection C is intended to be used for main water supply connection. Top connection D can be used for auxiliary gauge, pressure switch, etc.
- Available with mounting clips.