

SINCE 1908  
**wessels**  
 company

SUBMITTAL

**FXA-SERIES with WessGuard®**  
 HYDRO-PNEUMATIC TANKS

**Models:** FXA-35-WG thru FXA-800L-WG

**Submittal Sheet No.** C-1009C

Date: 4/16

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

**Description**

Wessels type FXA tanks are ASME replaceable bladder type pre-charged hydro-pneumatic tanks with WessGuard bladder monitor 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. WessGuard monitor will activate an audible LED alarm to notify maintenance staff of this potential systems issue. The water is contained in a butyl bladder. All FXA hydro-pneumatic tanks can be installed vertically or horizontally.

**Construction**

Shell: Carbon steel  
 Bladder: Heavy-duty butyl (FDA Approved)  
 System Connection: Epoxy lined

**Performance Limitations**

Maximum Design Temperature: 240°F  
 Maximum Design Pressure: 125 PSIG\*

\*200 & 250 PSIG available

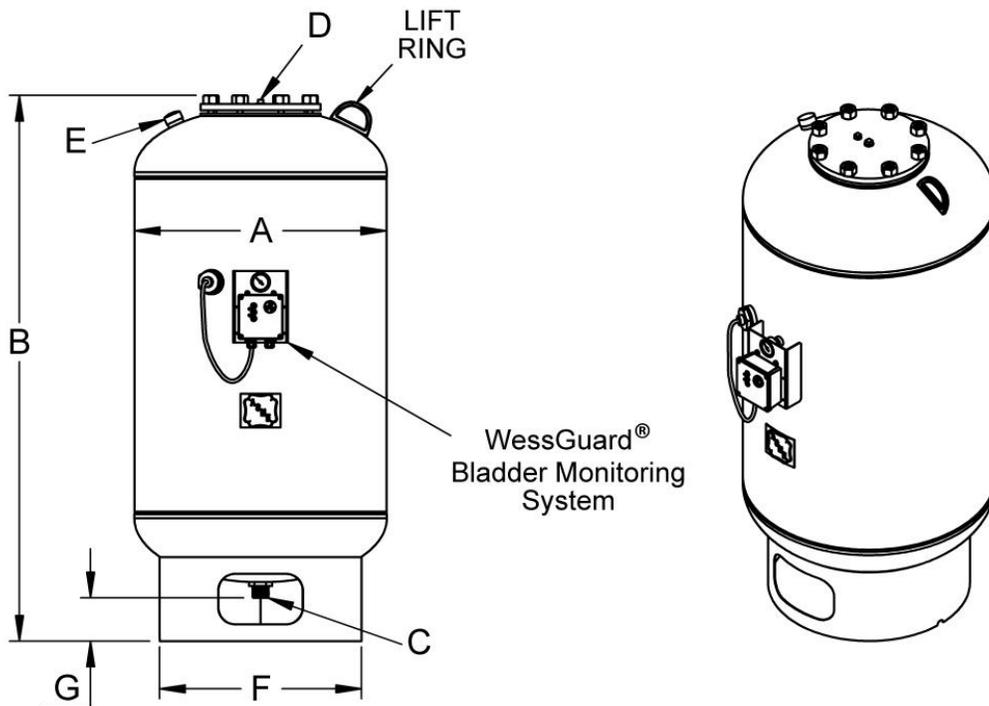


Model Number	Part Number	Tank Volume (Gallons)	Tagging Information	Quantity
FXA-35-WG	61010035	10		
FXA-50-WG	61010050	13		
FXA-85-WG	61010085	23		
FXA-130-WG	61010130	35		
FXA-200-WG	61010200	53		
FXA-300-WG	61010300	79		
FXA-400-WG	61010400	106		
FXA-500-WG	61010500	132		
FXA-600-WG	61010600	158		
FXA-800L-WG	61010805	211		

**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 capacitive sensor bladder monitor with visual and audible alarm that activates based on excessive bladder movement. 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 Wessels model number SMART TANK SERIES™ FXA- \_\_\_\_\_-WG or approved equal.



FXA-85-WG thru FXA-800L-WG

**Dimensions & Weights**

Model Number	Dimensions in Inches						Approx. Ship Wt. (lbs)	
	A	B	System Connection		Charging Valve	F		G
			C	D	E			
FXA-35-WG	12	23 1/2	3/4	-	0.302 - 32NC	10	-	40
FXA-50-WG	14	24				-	-	50
FXA-85-WG	16	37	1	1/2		12	5 1/2	90
FXA-130-WG	20					16		125
FXA-200-WG	24	43	1 1/2	3/4		20	5 1/4	210
FXA-300-WG		55						225
FXA-400-WG	30	49	2	3/4		24	5 1/4	300
FXA-500-WG		57						330
FXA-600-WG		65						360
FXA-800L-WG		76						475

**Notes**

- Tanks are factory pre-charged at 30 psi 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.