

SINCE 1908  
**wessels**  
 company

SUBMITTAL

**FXA-SERIES with WessGuard®**

HYDRO-PNEUMATIC TANKS

Models: FXA-1000-WG thru FXA-15000-WG

Submittal Sheet No. C-1011B

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



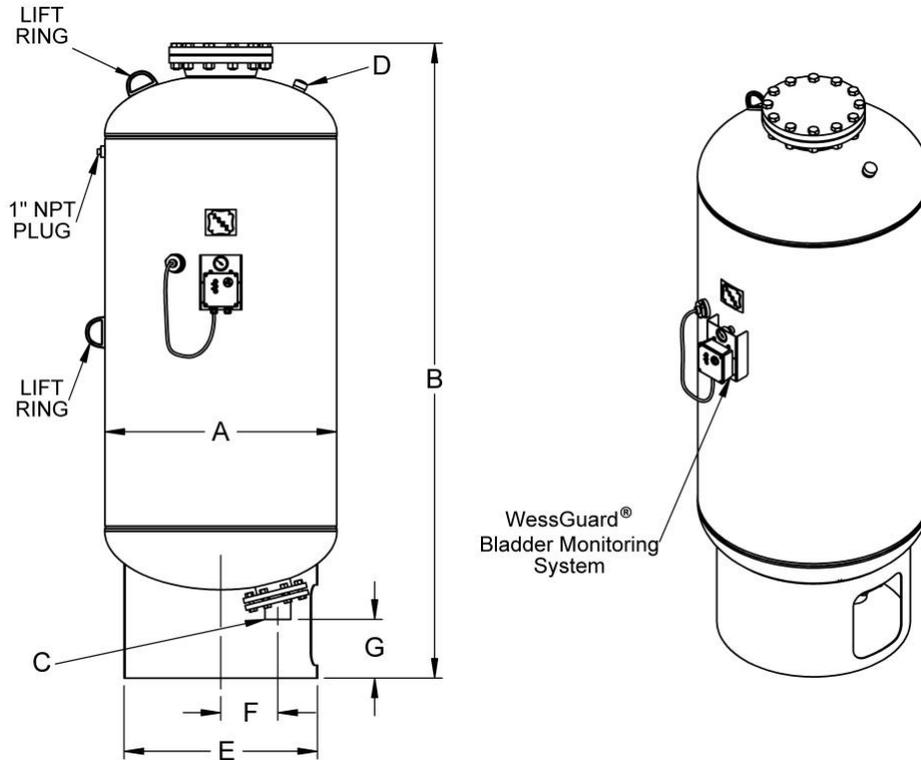
Listed  
 Material

Model Number	Part Number	Tank Volume (Gallons)	Tagging Information	Quantity
FXA-1000-WG	61011000	264		
FXA-1200-WG	61011200	317		
FXA-1400-WG	61011400	370		
FXA-1600-WG	61011600	422		
FXA-2000-WG	61012000	528		
FXA-2500-WG	61012500	660		
FXA-3000L-WG	61013000	792		
FXA-3000S-WG	61013001	792		
FXA-4000-WG	61014000	1056		
FXA-5000-WG	61015000	1320		
FXA-7500-WG	61017500	1980		
FXA-10000-WG	61019999	2640		
FXA-15000-WG	61010000	3963		

**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-1000-WG thru FXA-15000-WG

**Dimensions & Weights**

Model Number	Dimensions in Inches							Approx. Ship Wt. (lbs)
	A	B	System Connection	Charging Valve	E	F	G	
			C	D				
FXA-1000-WG	36	87	3	0.302 - 32NC	30	8	8 1/2	735
FXA-1200-WG		98 1/2						745
FXA-1400-WG		110 1/2						900
FXA-1600-WG	48	84	4		42	9	8 3/4	1210
FXA-2000-WG		96						1305
FXA-2500-WG		110						1430
FXA-3000L-WG	60	133	4		54	10	8 1/4	1575
FXA-3000S-WG		93						2169
FXA-4000-WG		115						2638
FXA-5000-WG	72	138	4		60	11	8 1/4	3246
FXA-7500-WG		140						4080
FXA-10000-WG		172						4920
FXA-15000-WG		243					6000	

**Notes**

- Tanks are factory pre-charged at 30 psi and field adjustable.
- California code-sight glass is available upon request.
- Tanks installed horizontally must have the system connection below the horizontal centerline of the tank.
- Available with mounting clips.