

SINCE 1908  
**wessels**  
 company

SUBMITTAL

**FXA-FF-SERIES**  
 FULL-FLOW WELL WATER & PRESSURE  
 BOOSTER EXPANSION TANKS

Models: FXA-85-FF thru FXA-800-FF  
 Submittal Sheet No. C-1013A Rev. 3 12/12/2022

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

**Description**

Wessels patented type FXA-FF tanks are ASME replaceable bladder type pre-charged Full-Flow well water and pressure booster hydro-pneumatic expansion tanks. The FXA-FF is designed as a multifunctional bladder tank for controlling system pressures between pump cycles to provide sufficient flow to meet demands. The FXA-FF design incorporates a unique flow-through design that promotes fluid mixing. Mixing of the fluid inside the bladder tank disrupts stagnant water, preventing growth of potentially harmful bacteria colonies. The water is contained in a heavy-duty butyl bladder, preventing tank corrosion and waterlogging. Products comply with NSF/ANSI Standard 61.

**Construction:**

Shell: Carbon Steel  
 Heads: Carbon Steel  
 Exterior: Carbocoat 140 - Harvester Red  
 Bladder: Heavy-duty Butyl (FDA Approved)  
 System Connection: Stainless Steel

**Performance Limitations**

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

\*150, 200 & 250 PSIG available



Model Number	Part Number	Tank Volume (Gallons)	Tagging Information	Quantity
FXA-85-FF	21210085	23		
FXA-130-FF	21210130	35		
FXA-200-FF	21210200	53		
FXA-300-FF	21210300	79		
FXA-400-FF	21210400	106		
FXA-500-FF	21210500	132		
FXA-600-FF	21210600	158		
FXA-800-FF	21210805	211		

**Typical Specification**

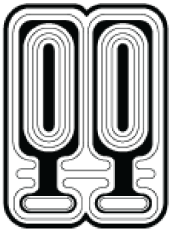
Furnish and install, as shown on plans, a \_\_\_\_\_ gallon \_\_\_\_\_" diameter X \_\_\_\_\_" (high) pre-charged steel hydro-pneumatic tank. The tank is to incorporate a flow through design, eliminating water stagnation potential. The tank shall be equipped with NPT stainless steel system connections, 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 shall be fitted with lifting rings and a floor mounting skirt for vertical installation. The tank must be constructed with most recent addendum of Section VIII of the ASME Boiler and Pressure Vessel Code and stamped for 125 psi. Products comply with NSF/ANSI Standard 61.

Each tank shall be Wessels model number FXA- \_\_\_\_\_-FF or approved equal.



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101 Tank Street Greenwood, IN 46143  
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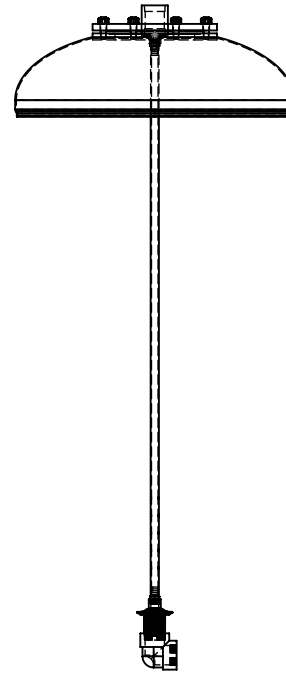
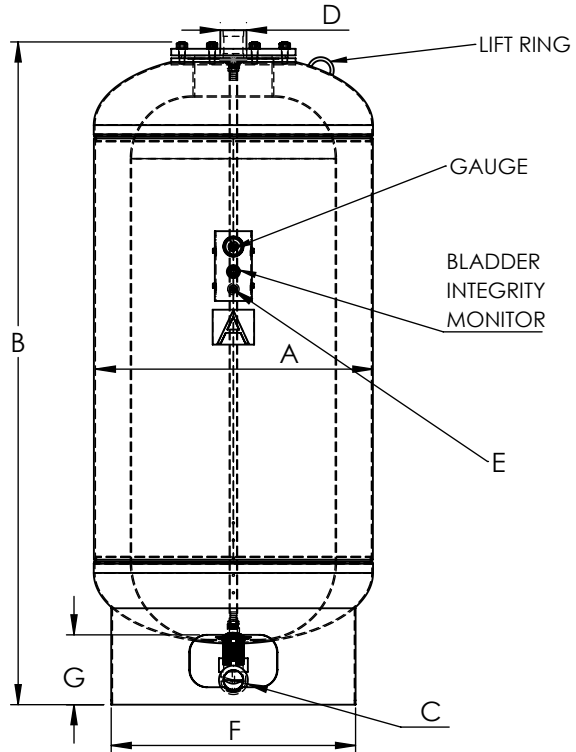


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Full-Flow Internal

**Dimensions & Weights:**

Model Number	Dimensions in Inches						Approx. Shipping Weight (lbs)	
	A	B	System Connection		Charging Valve	F		G
			C	D	E			
FXA-85-FF	16	37	1 NPT	1 NPT	0.302"-32NC	12	5 1/2	90
FXA-130-FF	20					16		125
FXA-200-FF	24	43	1 1/2 NPT	1 1/2 NPT		20	5 1/4	210
FXA-300-FF		55				225		
FXA-400-FF	30	49	2 NPT	2 NPT		24		300
FXA-500-FF		57						335
FXA-600-FF	32	65	2 NPT	2 NPT	28	360		
FXA-800-FF		76				475		

**Notes:**

- Tanks are factory pre-charged at 40 psig and field adjustable.
- California code-sight glass is available upon request.
- Available with WessGuard® Tank Monitoring System (EMS Compatible), or WessView Tank Integrity Indicator.
- 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.
- Mounting clips are available upon request.
- U.S. Patent No. 8,633,825 B2.



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