

SINCE 1908  
**wessels**  
 company

**SUBMITTAL**

**TYPE:** Smart Tank Series  
 FXA-SERIES ASME PRESSURIZED  
 EXPANSION TANKS WITH  
 WESSGUARD® DETECTION

**MODELS:** FXA-85WG TO FXA-800LWG

Submittal Sheet No. WG-0002

Date: 12-07

JOB _____  Unit Tag No. _____ Engineer _____ Contractor _____	Wessels Representative _____ _____ _____ Order No. _____ Date _____ Submitted By _____ Date _____ Approved By _____ Date _____
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**DESCRIPTION**

Wessels Type FXA-WG Smart Tanks are ASME removable bladder type pre-charged expansion tanks with WessGuard® bladder monitor. They are designed to absorb the expansion forces and control the pressure in heating/cooling systems. The system's expanded water (fully compatible with water/glycol mixtures) is contained in a heavy-duty bladder preventing tank corrosion and waterlogging problems. If the bladder extends beyond the normal movement, Wessguard monitor will activate an audible and LED alarm to notify maintenance staff of a potential system issue. In the case of compromised bladder integrity, water level will rise to activate the alarm.

**CONSTRUCTION**

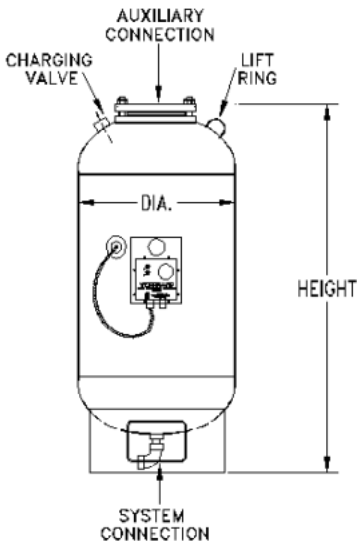
Shell: Carbon Steel  
 Bladder: Heavy duty butyl (FDA Approved)  
 System Connection: Epoxy lined

**PERFORMANCE LIMITATIONS**

Maximum Design Pressure: 125 PSIG  
 (200 & 250 PSIG available)

Maximum Design Temperature: 240°F

**SCHEDULE**



MODEL	VOLUME (GAL.)	DIA. (in.)	HEIGHT (in.)	N.P.T. SYST. CONN.	N.P.T. AUX. CONN.	SHIPPING WEIGHT (LBS.)
FXA-85WG	23	16	37	1"	1/2"	90
FXA-130WG	35	20	37	1"	1/2"	125
FXA-200WG	53	24	43	1 1/2"	1/2"	210
FXA-300WG	79	24	55	1 1/2"	3/4"	225
FXA-400WG	106	30	49	1 1/2"	3/4"	300
FXA-500WG	132	30	57	2"	3/4"	330
FXA-600WG	158	30	65	2"	3/4"	360
FXA-700WG	185	30	80	2"	-	600
FXA-800LWG	211	32	76	2"	3/4"	475

**Note:** Tanks are factory pre-charged at 30 psi and field adjustable.

California code-sight glass available on request

Charging valve is .302"-32NC

**TYPICAL SPECIFICATION**

Furnish and install as shown on the plans a \_\_\_\_\_ gallon \_\_\_\_\_" (high) pre-charge steel expansion tank with replaceable heavy duty butyl bladder. The tank shall be equipped with WessGuard® system monitor with visual LED and sonic warning. The tank shall be constructed in accordance with Section VIII of the ASME Boiler and Pressure Vessel Code, and stamped 125 psi working pressure.

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