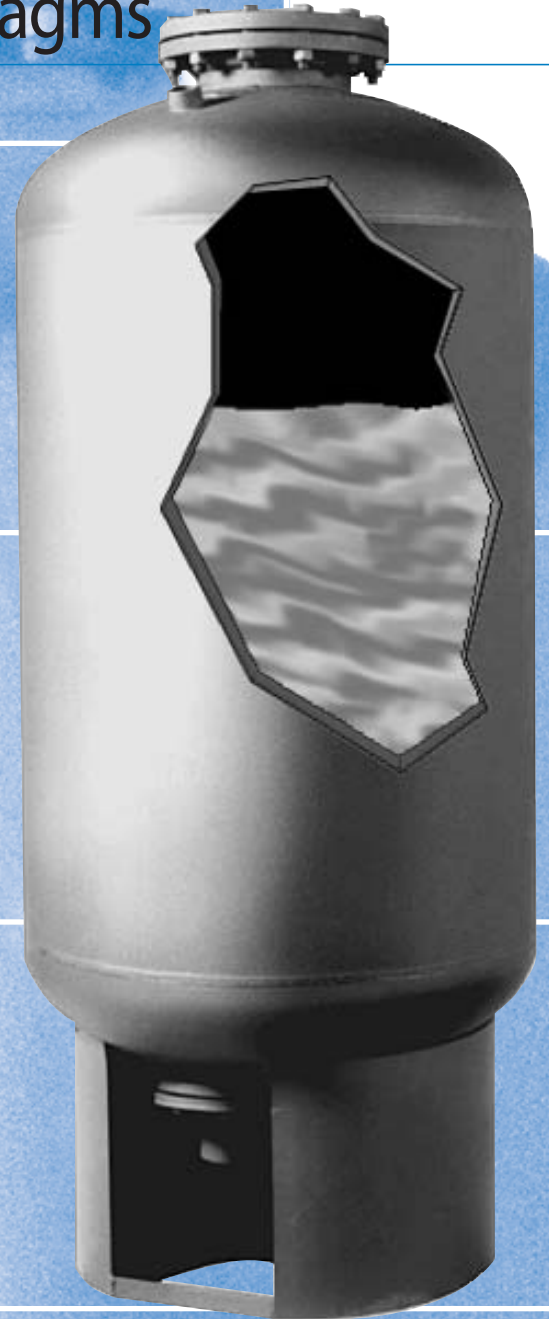


# WESFLEX SUPERTANKS

Hydro-pneumatic Well and  
Water System Tanks with  
Replaceable and Fixed Diaphragms



SINCE 1908  
**wessels**  
company

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# WESFLEX SUPERTANKS

## DIAPHRAGM TYPE HYDRO-PNEUMATIC TANKS

### POWERFUL TANKS FOR POWERFUL WATER SYSTEMS

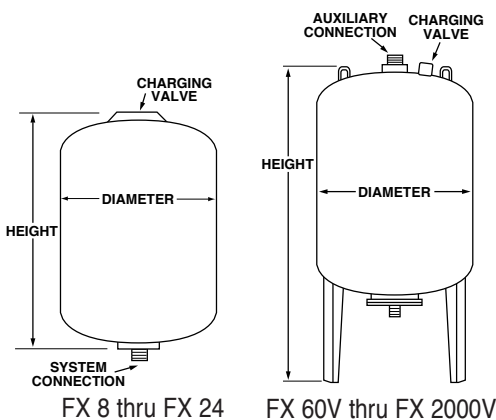
Wesflex FX and FXA replaceable diaphragm water system tanks are for use in potable water well systems and booster pump applications of all sizes. They are designed to maintain system pressure when the pump is not operating and to increase the pump and water system life by reducing system cycling time. The heavy-duty replaceable diaphragm keeps the water permanently isolated from the pre-charged air cushion. This arrangement prevents water logging due to absorption of air into the water. The water is "in the bag" and never touches the steel tank. No more "red water."

In the unlikely event of a diaphragm failure, only the diaphragm needs replacing, not the entire tank assembly and costly replumbing necessary in such a change. The large acceptance volume allows maximum drawdown and reduction of up to 80% in tank size. Standard models available up to 250 PSI operating pressure. Tanks are available for use in the largest high-rise buildings, irrigation systems, municipal wells, pressure boosting systems, and more. Units can be manifolded for additional capacity.

### TYPE FX WATER TANKS – THE ULTIMATE IN WATER SYSTEM PROTECTION

**Replaceable diaphragm type water system tanks for residential and commercial well water and booster applications in sizes 2.11 to 528 gallons. Heaviest deep drawn steel shells in the industry provide added material strength and higher pressure capabilities for an extremely powerful water system.**

- Permanent separation of air and water over the life of the system
- Water is "in the bag." Steel tank never touches water and is not subject to corrosion
- Replaceable diaphragm
- 150 PSI deep draw steel tank for extra durability and safe use
- Three point steel leg design with full air circulation
- 360 system connection for ease of installation
- Highly rust resistant baked epoxy finish for extra protection
- Factory pre-charged and field adjustable



Model Number	Size U.S. Gal.	Tank Diameter	Tank Length	NPT System Connection	NPT System Connection	Shipping Weight Pounds
FX 8	2.11	8"	13"	3/4"	–	7
FX 19	5.02	11"	16"	3/4"	–	13
FX 24	6.34	14"	13"	3/4"	–	15
FX 60V	16	15"	34"	1"	–	39
FX 80V	21	18"	34"	1"	–	49
FX 100V	26	18"	38"	1"	1/2"	61
FX 200V	52	22"	49"	1 1/2"	1/2"	112
FX 300V	80	25"	55"	1 1/2"	1/2"	141
FX 500V	132	31"	61"	1 1/2"	1/2"	265
FX 750V	198	31"	79"	1 1/2"	1/2"	330
FX 1000V	264	37"	77"	2"	1/2"	398
FX 2000V	528	50"	84"	2"	1/2"	835

150 P.S.I. operating pressure - 200 F maximum temperature - Factory pre-charge 30 P.S.I.

#### TYPICAL SPECIFICATIONS

Furnish and install as shown on plans a \_\_\_\_\_ gallon \_\_\_\_\_" diameter X \_\_\_\_\_" (high) pre-charged hydro-pneumatic tank with replaceable heavy duty butyl rubber diaphragm. The tank shall have a .302" - 32 charging valve connection (standard tire valve) to facilitate the on-site charging of the tank to meet system requirements. The water is to be contained in a butyl diaphragm. The tank shall have a baked epoxy exterior finish.

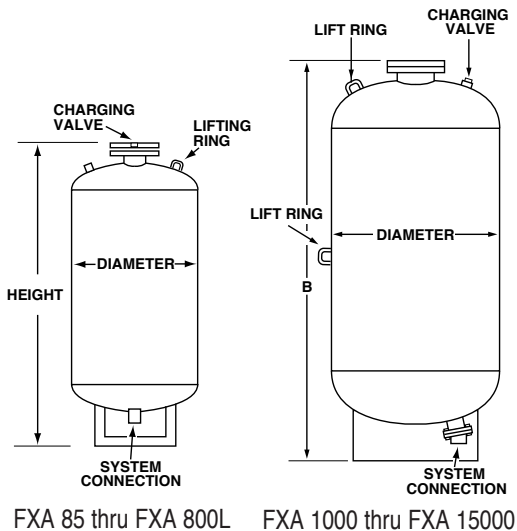
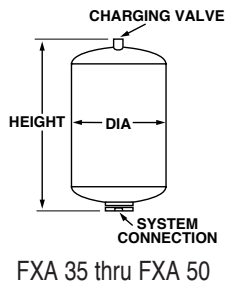
Each tank shall be Wessels model number FX \_\_\_\_\_ or approved equal.

## TYPE FXA WATER TANKS

**ASME replaceable diaphragm type water system tanks for commercial, industrial and municipal well water and booster applications sizes 10 to 3963 gallons.**

Type FXA water system control tanks are designed for jobs that require high pressure centralized water storage for community wells, high-rise buildings, irrigation systems, and pressure boosting applications where the ultimate in performance and quality is required. Hefty drawdown prevents pumps from over cycling and allows saving of electrical energy by reducing frequent pump starts. Assists the pump in meeting peak demands. Models available up to 250 PSIG and higher working pressures. Efficient design allows use of smaller sizes to save on space and installation costs.

- ASME section VIII construction
- Permanent separation of air and water over the life of the system
- Water is "in the bag." Steel tank never touches water and is not subject to corrosion.
- Never water logs, no "red water"
- Replaceable diaphragm
- Standard pressures 125 PSI, 200 PSI and 250 PSI
- Can be manifolded for additional capacity
- Factory pre-charged and field adjustable



Model Number	Tank & Acceptance Vol. (gals.)	Dimensions		NPT System Connection	NPT System Connection	Shipping Weight Pounds
		Diameter (in)	Height (in)			
FXA 35	10	12	25	3/4"	-	40
FXA 50	13	14	25	3/4"	-	50
FXA 85	23	16	37	1"	1/2"	90
FXA 130	35	20	37	1"	1/2"	125
FXA 200	53	24	43	1 1/2"	1/2"	210
FXA 300	79	24	55	1 1/2"	3/4"	225
FXA 400	106	30	49	1 1/2"	3/4"	300
FXA 500	132	30	57	2"	3/4"	330
FXA 600	158	30	65	2"	3/4"	360
FXA 700	185	30	80	2"	-	600
FXA 800L	211	32	76	2"	3/4"	475
FXA 1000	264	36	87	3"	-	735
FXA 1200	317	36	98	3"	-	745
FXA 1400	370	36	111	3"	-	900
FXA 1600	422	48	84	3"	-	1210
FXA 2000	528	48	97	3"	-	1305
FXA 2500	660	48	114	4"	-	1430
FXA 3000L	792	48	134	4"	-	1575
FXA 3000S	792	60	93	4"	-	2169
FXA 4000	1056	60	115	4"	-	2638
FXA 5000	1320	60	138	4"	-	3246
FXA 7500	1980	72	140	4"	-	4080
FXA 10000	2640	72	172	4"	-	4920
FXA 15000	3963	72	243	4"	-	6000

240 F maximum temperature - Factory pre-charge 30 PSI. Prime painted exterior finish.

### TYPICAL SPECIFICATIONS

Furnish and install as shown on plans a \_\_\_\_\_ gallon \_\_\_\_\_" diameter X \_\_\_\_\_" (high) pre-charged steel hydro-pneumatic tank with replaceable heavy duty butyl rubber diaphragm. The tank shall have NPT system connections and a .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 and stamped in accordance with Section VIII of the ASME Boiler and Pressure Vessel Code.

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



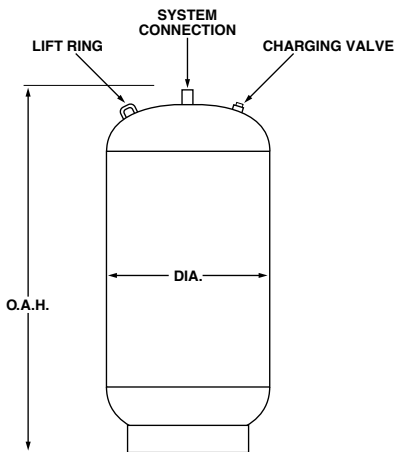
# TYPE FXT WATER TANKS

## ASME FIXED DIAPHRAGM TYPE WATER SYSTEM TANKS



Wessels Type FXT Tanks are ASME fixed diaphragm 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 diaphragm.

- ASME section VIII construction
- Smaller sizes for easier handling, and saves space and installation cost
- Permanent separation of air and water over the life of the system
- Steel tank never touches water and is not subject to corrosion
- Never water logs
- Standard 200 psi working pressure
- Can be manifolded for additional capacity
- Factory pre-charged and field adjustable



FXT 400 thru FXT 480

Model Number	Tank Volume (Gallons)	Acceptance Volume (Gallons)	System Connection (in.)	Maximum Operating Pressure (PSIG)	Dimensions		Approx. Weight (lbs)
					Diameter (in.)	Height (in.)	
FXT 400	8	3.1	3/4"	200	12"	20"	34
FXT 401	15	10.5	1"	200	14"	27"	64
FXT 402	25	10.5	1"	200	14"	42"	84
FXT 403	35	10.5	1"	200	14"	57"	97
FXT 404	70	52.8	1 1/2"	200	24"	46"	259
FXT 405	90	52.8	1 1/2"	200	24"	52"	283
FXT 415	115	52.8	1 1/2"	200	24"	66"	325
FXT 440	140	52.8	1 1/2"	200	24"	78"	362
FXT 460	160	56.0	1 1/2"	200	30"	61"	591
FXT 480	210	84.0	1 1/2"	200	30"	79"	752

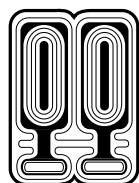
Note: Tanks are factory pre-charged at 30 psi and field adjustable.

Lift ring on models FXT 402 thru FXT 480.

### TYPICAL SPECIFICATIONS

Furnish and install as shown on plans a \_\_\_\_\_ gallon \_\_\_\_\_" diameter X \_\_\_\_\_" (high) pre-charged steel hydro-pneumatic tank with a fixed butyl rubber diaphragm. The tank shall have a top NPT system connection and a .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 and stamped in accordance with Section VIII of the ASME Boiler and Pressure Vessel Code.

Each tank shall be Wessels model number FXT \_\_\_\_\_ or approved equal.



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