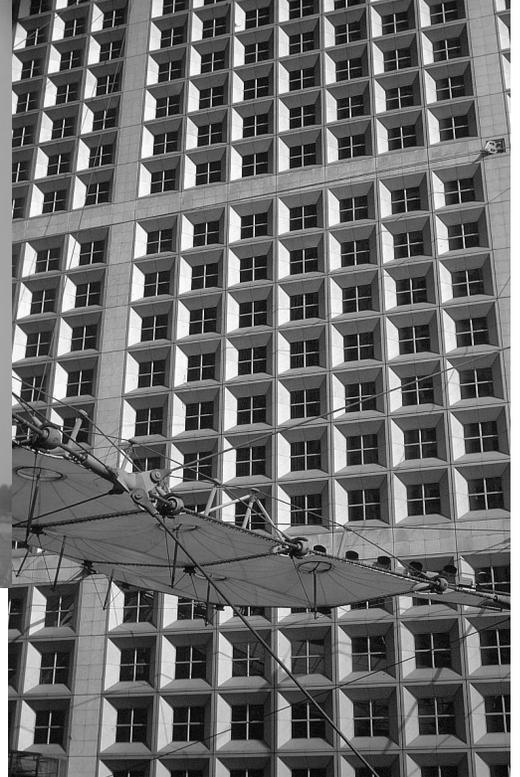


# Flexcon ASME Tanks



- ◆ **Hydro-Pneumatic - Fixed or replaceable bladder tank**
- ◆ **Thermal Expansion - Fixed or replaceable diaphragm tank**
- ◆ **Hydronic Expansion - Fixed or replaceable bladder tank**
- ◆ **Plain Steel Expansion tanks**

Whether it be a large irrigation job, commercial boiler or water heater, Flexcon has the ASME tank to meet the application. Made in the USA, these tanks comply to ASME VIII construction and feature an all butyl replaceable bladder or a non-replaceable butyl diaphragm.

**Hydro-pneumatic well and water system tanks (WR)** - The WR series of water system control tanks are designed for jobs that require higher pressures than our standard well tanks or larger drawdowns where space is an issue. Typical applications are for high pressure storage in community well systems, high rise booster applications and large irrigation systems.

**Hydronic applications (FNLA and FNLA)** - Designed for commercial and industrial heating systems the replaceable bladder (FNLA) and the non-replaceable (FNLA) tanks are designed for heating/cooling systems to absorb the expansion force resulting from the changes in temperature of the heating/cooling fluid. The captive air, separated by the butyl diaphragm/bladder prevents waterlogging.

**Thermal Expansion applications (FTTA and FTXA)** - Specifically designed for potable water applications where building codes dictate the use of ASME VIII constructed tanks, our FTTA (non-replaceable diaphragm) and FTXA (Replaceable bladder) absorb heated water as it expands preventing the system pressure from activating the relief valve.

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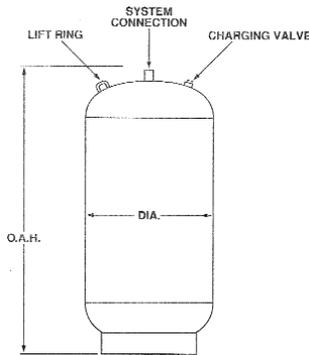
# ASME/Non-ASME Hydro-Pneumatic Tanks

## Big Tanks for Big Jobs

Flexcon offers a complete line of ASME/Non-ASME tanks for those larger jobs requiring higher pressures or larger draw-downs. Maximum pressures available in 125, 200, 250 PSI, and standard sizes from 15 gallons up to 528 gallons!\*

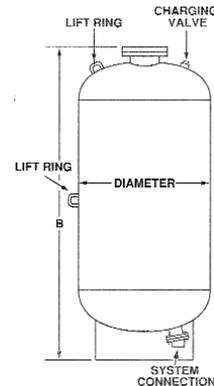
Applications from community wells, high-rise buildings, irrigation systems, car washes, and pressure boosting systems where space is an issue and building codes require ASME section VIII construction. Many of our models feature a replaceable heavy duty butyl bladder which separates the air cushion from the water and assures long term performance.

\* Special orders on tanks up to 3,963 gallons



**WR410 - WR450**

- ◆ Community Well Systems
- ◆ High rise booster systems
- ◆ Car Washes
- ◆ Large Irrigation Systems
- ◆ Large drawdown applications
- ◆ High pressure applications



**WR500 - WR570**

Tank Specifications							
Model	Volume (gal.)	Replaceable Bladder	Diameter	Height	System Connection	Weight (lbs)	Max working pressure
WR410	15	NO	14"	27"	1"	64	200
WR420	25	NO	14"	42"	1"	84	200
WR430	35	NO	14"	57"	1"	97	200
WR440	70	NO	24"	46"	1-1/2"	259	200
WR450	90	NO	24"	52"	1-1/2"	283	200
WR500	106	YES	30"	49"	1-1/2"	300	125
WR505	132	YES	30"	57"	2"	330	125
WR510	158	YES	30"	65"	2"	360	125
WR520	211	YES	32"	76"	2"	475	125
WR530	264	YES	36"	87"	3"	735	125
WR540	317	YES	36"	98"	3"	745	125
WR550	370	YES	36"	111"	3"	900	125
WR560	422	YES	48"	84"	3"	1210	125
WR570	528	YES	48"	97"	3'	1305	125

Pressure ratings available: 125, 200, 250 PSI

Non-code tanks also available as a 150 PSI rated tank. Non code tanks are designated with a -NC

240F maximum temperature

Factory Pre-charge 30 PSI

Prime painted exterior finish

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# ASME Thermal Expansion Tanks

Heated water expands and more and more systems are now “closed systems” where the expanded water has no place to go and hot water pressures can get dangerously high setting off the pressure relief valve. Thermal expansion tanks allow the expanded water to be safely stored in a tank keeping the pressure of the system at a safe level.

Flexcon has two lines of thermal expansion tanks, the FTTA and the FTXA, to suite your needs. The FTTA has a non-replaceable diaphragm in it and is more cost competitive than the FTXA, which features a replaceable butyl bladder. We offer sizes from 3.5 gallons to 528 gallons to handle even the largest commercial or industrial hot water applications.

Tank Specifications							
Model	Volume (gal.)	Replaceable Bladder	Diameter	Height	System Connection	Weight (lbs)	Max working pressure
FTTA-5	3.5	NO	10"	14"	3/4"	22	150
FTTA-12	5	NO	12"	14"	3/4"	28	150
FTTA-20	8	NO	12"	20"	3/4"	34	150
FTTA-30	15	NO	14"	27"	3/4"	64	150
FTTA-42	22	NO	16"	32"	1"	88	150
FTTA-60	26	NO	16"	34"	1"	93	150
FTTA-80	35	NO	16"	45"	1"	109	150
FTTA-100	45	NO	20"	38"	1"	148	150
FTTA-125	60	NO	20"	49"	1"	175	150
FTTA-160	70	NO	24"	46"	1"	259	150
FTTA-180	80	NO	24"	49"	1"	268	150
FTTA-210	90	NO	24"	52"	1"	283	150



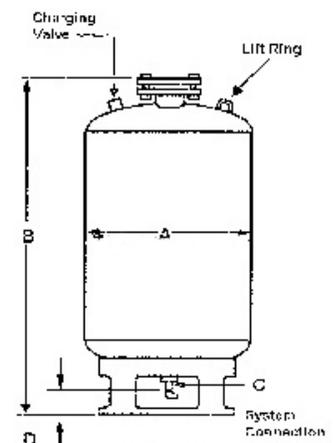
FTTA5  
FTTA12



FTTA 20 THRU  
FTTA210

Carbon steel tank with prime painted exterior finish  
 Stainless Steel system connection  
 Heavy duty FDA approved butyl bladder  
 Maximum design pressure 150 PSI  
 Maximum design temperature: 240 F

Tank Specifications														
Model	Volume		Acceptance		A		B		C		D		Weight	
	Gal	Liter	Gal.	Liter	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(Lbs.)	(kg.)
FTXA 85	23	85	23	85	16	406	37	940	1	25	5 1/4	133	90	41
FTXA 130	35	130	35	130	20	508	37	940	1	25	5 1/4	133	132	60
FTXA 200	53	200	53	200	24	610	45	1143	1 1/2	38	5 1/4	133	220	100
FTXA 300	80	300	80	300	24	610	58	1473	1 1/2	38	5 1/4	133	236	107
FTXA 400	106	400	106	400	30	762	50	1270	1 1/2	38	5 1/4	133	315	143
FTXA 500	132	500	132	500	30	762	56	1422	2	61	4 3/4	121	347	158
FTXA 600	158	600	158	600	30	762	68	1727	2	61	4 3/4	121	378	172
FTXA 800L	211	800	211	800	32	813	76	1930	2	61	4 3/4	121	503	228
FTXA 1000	264	1000	264	1000	36	914	85	2159	3	76	8	203	796	361
FTXA 1200	317	1200	317	1200	36	914	96	2438	3	76	8	203	820	372
FTXA 1400	370	1400	370	1400	36	914	108	2769	3	76	8	203	980	445
FTXA 1600	422	1600	422	1600	48	1219	82	2083	3	76	8	203	1395	633
FTXA 2000	529	2000	529	2000	48	1219	93	2362	3	76	8	203	1525	692



Carbon steel tank with prime painted exterior finish  
 Stainless Steel system connection  
 Heavy duty FDA approved butyl bladder  
 Maximum design pressure 150 PSI  
 Maximum design temperature: 240 F  
 FTXA 35 is not freestanding

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# ASME Hydronic Tanks

Flexcon **FNTA** and **FNLA** expansion tanks are designed for use in Hydronic heating/cooling systems to absorb the expansion force resulting from the changes in temperature of the heating/cooling fluid. Built to ASME Section VIII standards, these tanks are designed for use with large commercial and industrial heating systems.

**FNLA** - These tanks feature a replaceable bladder and are available in sizes from 10 to 660 gallons. Bladder design assures that water never touches the steel tank and eliminates corrosion. These precharged tanks allows for space savings over non-bladder tanks, and eliminates absorption of air into the system.

**FNTA** - These are fixed diaphragm type precharged expansion tanks, sizes from 7.8 to 140 gallons. More competitively priced but still provides the quality you would expect from Flexcon.

Tank Specifications							
Model	Volume (gal.)	Replace-able Bladder	Diameter	Height	System Connection	Weight (lbs)	Max working pressure
FNLA-35	10	YES	12	25	3/4"	40	125
FNLA-50	13	YES	14	25	3/4"	50	125
FNLA-85	23	YES	16	37	1"	90	125
FNLA-130	35	YES	20	37	1"	125	125
FNLA-200	53	YES	24	43	1-1/2"	210	125
FNLA-300	79	YES	30	55	1-1/2"	225	125
FNLA-400	106	YES	30	49	1-1/2"	300	125
FNLA-500	132	YES	30	57	1-1/2"	335	125
FNLA-600	158	YES	30	65	1-1/2"	360	125
FNLA-800	211	YES	32	76	1-1/2"	475	125
FNLA-1000	264	YES	36	74	1-1/2"	710	125
FNLA-1200	317	YES	36	86	1-1/2"	720	125
FNLA-1400	370	YES	36	99	1-1/2"	875	125
FNLA-1600	422	YES	48	72	1-1/2"	1100	125
FNLA-2000	528	YES	48	85	1-1/2"	1280	125
FNLA-2500	660	YES	48	102	2"	1435	125

- ◆ ASME Section VIII construction
- ◆ Replaceable butyl bladder
- ◆ 125 PSI maximum operating pressure
- ◆ 240 f maximum temperature
- ◆ factory precharge 12 PSI
- ◆ Prime painted exterior finish

Tank Specifications							
Model	Volume (gal.)	Replace-able Bladder	Diameter	Height	System Connection	Weight (lbs)	Max working pressure
FNTA-15	7.8	NO	12	19	3/4"	42	150
FNTA-20	11	NO	12	26	3/4"	52	150
FNTA-40	25	NO	14	42	1"	84	150
FNTA-60	35	NO	14	57	1"	97	150
FNTA-80	45	NO	20	38	1"	148	125
FNTA-100	60	NO	20	49	1"	175	125
FNTA-120	70	NO	24	46	1-1/2"	259	125
FNTA-144	80	NO	24	49	1-1/2"	268	125
FNTA-180	90	NO	24	52	1-1/2"	283	125
FNTA-200	115	NO	24	66	1-1/2"	325	125
FNTA-240	140	NO	24	78	1-1/2"	362	125

- ◆ ASME Section VIII construction
- ◆ Heavy Duty Butyl Diaphragm
- ◆ 125 PSI maximum operating pressure
- ◆ 240 f maximum temperature
- ◆ Factory precharge 12 PSI
- ◆ Prime painted exterior finish

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# ASME Plain Steel Expansion Tanks

Flexcon Plain steel ASME expansion tanks, available in sizes from 15 to 525 gallons are designed to absorb the expansion forces and control the pressure in heating/cooling systems.

- ◆ Gauge glass opening in head
- ◆ Saddles available for horizontal mounting
- ◆ Base ring for vertical warehousing and storage.

Tank Specifications							
Model	Volume (gal.)	Replace-able Bladder	Diameter	Height	System Connection	Weight (lbs)	Max working pressure
F12NA33	15	NO	12	33	1"	44	150
F12NA51	24	NO	12	51	1"	62	150
F14NA48	30	NO	14	48	1"	72	150
F14NA63	40	NO	14	63	1"	92	150
F16NA72	60	NO	16	72	1"	120	150
F20NA62	80	NO	20	62	1"	136	125
F20NA78	100	NO	20	78	1"	168	125
F24NA65	120	NO	24	65	1"	218	125
F24NA72	135	NO	24	72	1"	238	125
F30NA62	175	NO	30	62	1-1/2"	338	125
F30NA77	220	NO	30	77	1-1/2"	368	125
F30NA84	240	NO	30	84	1-1/2"	394	125
F30NA105	305	NO	30	105	1-1/2"	486	125
F36NA72	295	NO	36	72	1-1/2"	502	125
F36NA93	400	NO	36	93	1-1/2"	645	125
F36NA120	505	NO	36	120	1-1/2"	810	125
F42NA96	525	NO	42	96	2"	895	125

Shell and heads made of Carbon Steel

Maximum Design Temperature: 450 F

Maximum Design Pressure:

Models F12NA33 to F16NA72 150 PSI

Models F20NA62 to F42NA96 125 PSI