



## FLEXCON FNLA-SERIES HYDRONIC EXPANSION TANKS

**Description:** Flexcon FNLA-series tanks are ASME-rated replaceable diaphragm type pre-charged expansion tanks for non-potable water applications. 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 diaphragm that prevents tank corrosion and waterlogging problems. All sizes can be installed vertically or horizontally.

**Shell & Construction:** Carbon Steel

**Bladder Construction:** Heavy Duty Butyl, Replaceable

**Exterior Finish:** Red Oxide Primer

**Maximum Design Temperature:** 240°F/116°C

**Maximum Design Pressure:** 125 PSIG\*

**Note:** \*150,200 & 250 PSIG available on request

Model	Tank Vol (L)	A (in)	B (in)	C (in)	D (in)	E	F (in)	G (in)	Wt. (lb)
FNLA-35	41.3	12	23 ½	N/A	¾	.302"-32NC	10	N/A	40
FNLA-50	50	14	24	N/A	¾	.302"-32NC	10	N/A	50
FNLA-85	85	16	37	1	¾	.302"-32NC	12	5 ½	90
FNLA-130	130	20	37	1	¾	.302"-32NC	16	5 ½	125
FNLA-200	200	24	43	1 ½	¾	.302"-32NC	20	5 ¼	210
FNLA-300	300	24	55	1 ½	¾	.302"-32NC	20	5 ¼	225
FNLA-400	400	30	49	1 ½	¾	.302"-32NC	24	5 ¼	300
FNLA-500	500	30	57	1 ½	¾	.302"-32NC	24	5 ¼	335
FNLA-600	600	30	65	1 ½	¾	.302"-32NC	24	5 ¼	360
FNLA-800	800	32	76	1 ½	¾	.302"-32NC	28	5 ¼	475
FNLA-1000	1000	36	75	1 ½	¾	.302"-32NC	30	N/A	710
FNLA-1200	1200	36	87	1 ½	¾	.302"-32NC	30	N/A	720
FNLA-1400	1400	36	99	1 ½	¾	.302"-32NC	30	N/A	875
FNLA-1600	1600	48	74	1 ½	¾	.302"-32NC	42	N/A	1100
FNLA-2000	2000	48	87	1 ½	¾	.302"-32NC	42	N/A	1280
FNLA-2500	2500	48	102	2	¾	.302"-32NC	42	N/A	1435
FNLA-3000S	3000	60	80	2	¾	.302"-32NC	54	N/A	1868
FNLA-4000	4000	60	233	3	¾	.302"-32NC	66	N/A	5925

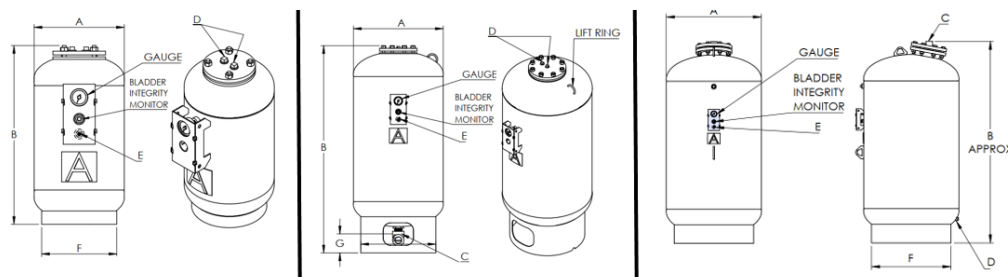


Figure 1: FNLA-35/FNLA-50 (Left), FNLA-85 to FNLA-800 (Center), FNLA-1000 to FNLA-4000 (Right)

**Notes: FNLA-35 - FNLA-800:** Tanks are factory pre-charged at 40 psi and are field-adjustable. C&D conn. access bladder.

**Notes: FNLA-1000 - FNLA-4000:** Same pre-charge as above and field-adjustable. Tanks installed horizontally must have system connection below horizontal centerline of tank. Plug D is on air side and must not be removed.