

## ASME EXPANSION TANK FOR POTABLE WATER

- Fixed bladder
- Top connection

Calefactio BFA type thermal expansion tanks, equipped with an ExpanView tank integrity indicator, are designed for use in potable hot water systems to absorb expanded water and prevent dangerous pressure build-up.

As the water is heated, thermal expansion occurs and the water is forced into the precharged thermal tank. The precharged air cushion returns water to system when delivery is required at various fixtures.

This arrangement prevents unnecessary relief valve operation, which results in wasted water and energy costs, and eliminates potential internal components damage to water heaters.

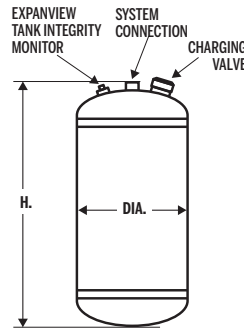
- ASME Section VIII construction and Label
- Permanent separation of air and water, never waterlogs
- Smaller sizes for easier handling, saves space and installation costs
- Stainless steel system connection
- Can be manifolded for more capacity
- Factory air precharged at 40 psig and field adjustable
- Heavy duty FDA butyl bladder

### BFA TYPE expansion tanks

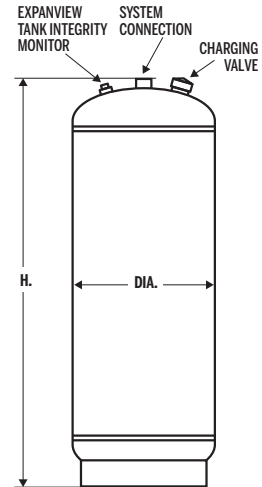
ASME fixed bladder expansion tanks for commercial and industrial installations, space saving, tanks come in sizes of 3.5 to 90 gallons (13.2 to 340.6 L)



Equipped with ExpanView, a tank integrity indicator alerting the user of a bladder leak by changing colour



BFA-5 AND BFA-12



BFA-20 THRU BFA-210

Model	Tank Volume		Acceptance Volume		NPT Connection		Max. Oper. Pressure	Dimensions				Approx. weight	
	gal	L	gal	L	in	mm		Diameter		Height		lb	kg
BFA-5	3.5	13	2.3	9	3/4	19	150	10	254	14	356	22	10
BFA-12	5	19	3.3	12	3/4	19	150	12	305	14	356	28	13
BFA-20	8	30	5.3	20	3/4	19	150	12	305	20	508	34	15
BFA-30	15	57	10	38	1	25	150	16	406	24	610	64	29
BFA-42	22	83	14.5	55	1	25	150	16	406	31	787	88	40
BFA-60	26	98	17.5	66	1	25	150	16	406	34	864	93	42
BFA-80	35	132	23.5	89	1	25	150	16	406	45	1183	109	49
BFA-100	45	170	30	114	1	25	150	20	508	39	914	148	67
BFA-125	60	227	40	151	1	25	150	20	508	50	1270	175	79
BFA-160	70	265	47	178	1 1/2	38	150	24	610	47	1194	259	117
BFA-180	80	303	53	201	1 1/2	38	150	24	610	50	1270	268	122
BFA-210	90	341	60	227	1 1/2	38	150	24	610	53	1346	283	128

QUANTITY: \_\_\_\_\_ MODEL: BFA- \_\_\_\_\_

OPTION:  Seismic bracket – Suffix “VB”  
(Fits models BFA-20 to BFA-210)

Notes: \_\_\_\_\_

Project: \_\_\_\_\_ Representative: \_\_\_\_\_

Location: \_\_\_\_\_ Date submitted: \_\_\_\_\_

Engineer: \_\_\_\_\_ Approved by: \_\_\_\_\_

Contractor: \_\_\_\_\_ Date of approval: \_\_\_\_\_

**TYPICAL SPECIFICATIONS:** Furnish and install as shown on plans a \_\_\_\_\_ gallons/liters \_\_\_\_\_ in/mm diameter x \_\_\_\_\_ in/mm (high) air precharged steel thermal expansion tank with a fixed FDA approved butyl bladder. The tank must be equipped with a tank integrity indicator (ExpanVIEW), have a NPT stainless steel system connection and a .302”-32 charging valve connection (standard tire valve) to facilitate on-site charging of the tank to meet system requirements. The tank must be constructed in accordance with Section VIII of the ASME Boiler and Pressure Vessel Code and stamped 150 psi working pressure. Each tank shall be Calefactio model number BFA- \_\_\_\_\_ or approved equal.