



Foam Bladder Tank

Description

The Falcon Bladder Tank is one component in a balance pressure foam proportioning system. It requires no external power, other than the water pressure to ensure correct operation. The vertical and Horizontal Bladder tanks are designed and constructed in accordance with the latest revisions to ASME code, Section VII for unfired pressure vessels with a working pressure of 175 psi and tested to one and one half times this pressure.

Falcon Bladder Tanks are a steel pressure vessel, which stores foam concentrate contained within an elastomeric bladder. The concentrate is discharged from the tank by incoming water applying pressure to the bladder. This applied pressure is transferred to the foam concentrate, supplying pressurized foam concentrate to the proportional.

Features

- The diameter of the vertical tank skirt is equal to the shell diameter, to give greater stability.
- Tanks are supplied with brass trim valves with Teflon seats and permanently mounted to the tank .
- All valves are labeled showing normal working position.
- Lifting lugs are permanently welded to the tank with eyes of approximately 1½” in diameter.
- Both vertical and horizontal tanks contain a perforated PVC center tube that permits greater agent discharge.
- All tanks are approximately 10% oversized to allow for any thermal expansion of the foam concentrate.
- All tanks supplied with a label identifying type of foam concentrate the system is designed for, the percentage ratio and tank size.
- Tank are painted red enamel

Specifications

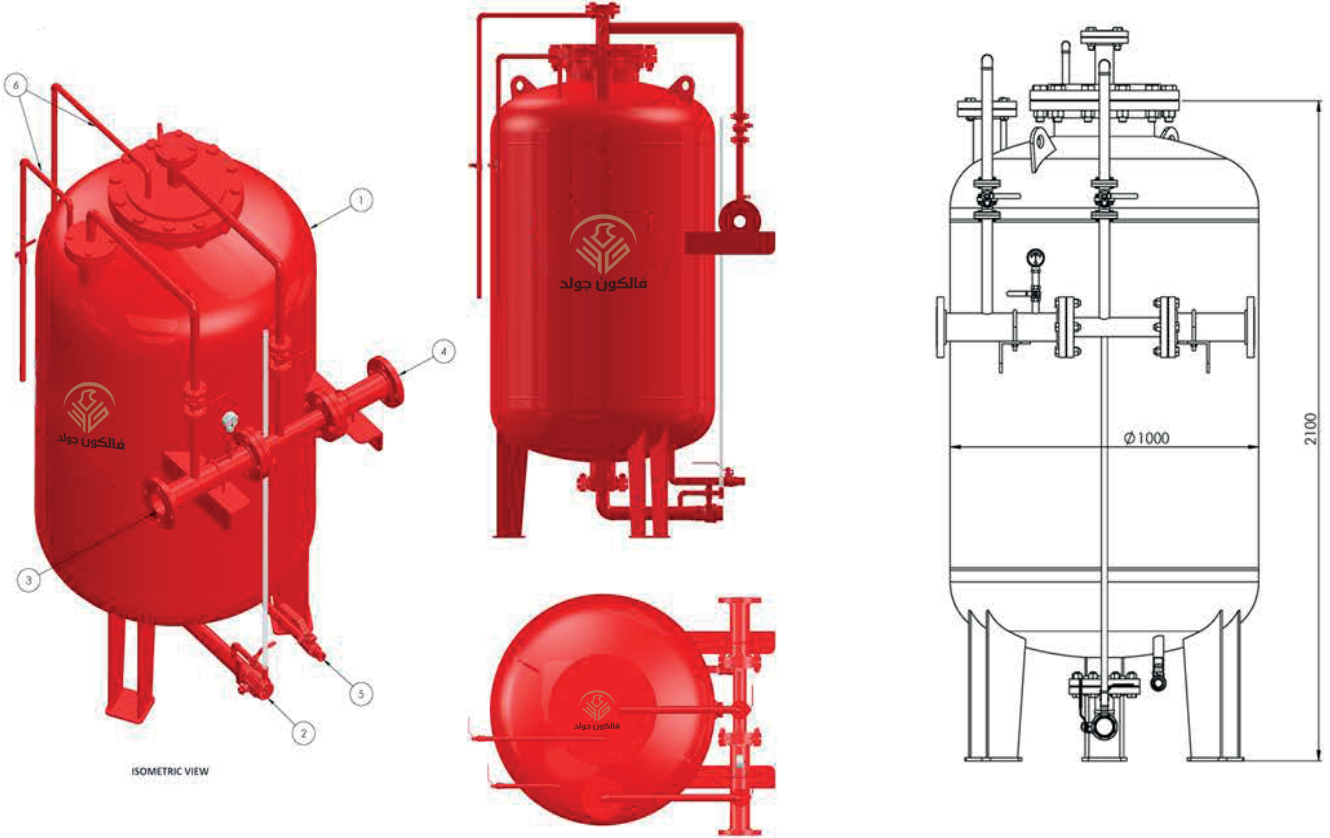
Tank Mounting Type	Vertical
Concentrating Storage Capacity	50 Gallons 189 (Liters) to 3200 Gallons (12000 Liters)
Rated Pressure	12 Bar (175psi)
Vessel Construction	Carbon Steel to ASME Code Section VIII for Unfired Pressure Vessels
Bladder	Buna-N Rubber with Nylon Reinforcement
Optional	Pressure Propotioner, Concentrate Control Valve and Access Ladder
Painting Internal External	Zinc Rich Primer and Coal Tar Epoxy Red,Epoxy Paint





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Specifications

Item No.	Description
1	Foam Tank
2	Foam Inlet/Drain Inlet
3	Water Inlet Nozzle
4	Foam Solution Discharge Nozzle
5	Water Drain Line
6	Vent Pipe

Ordering Information

When ordering Bladder Tanks, please specify the following:

1. Type of tank required, horizontal or vertical Size of tank.
2. Exterior finish of tank.
3. Whether required for salt-water environment. Any other options required.

Options

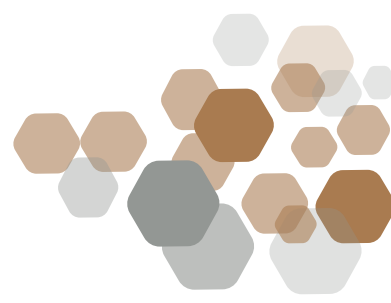
1. Coal tar epoxy for coating the interior shell of the tank (for use in a salt-water environment)
2. Sight glass.
3. Proportional pre-piped onto tank assembly.
4. Primed re epoxy finish.
5. Custom fabrication of specialty materials, dimensions and capacities.
6. Actuated valves for water/concentrate.
7. Stainless steel trim
8. Insulation and heat tracing packages.





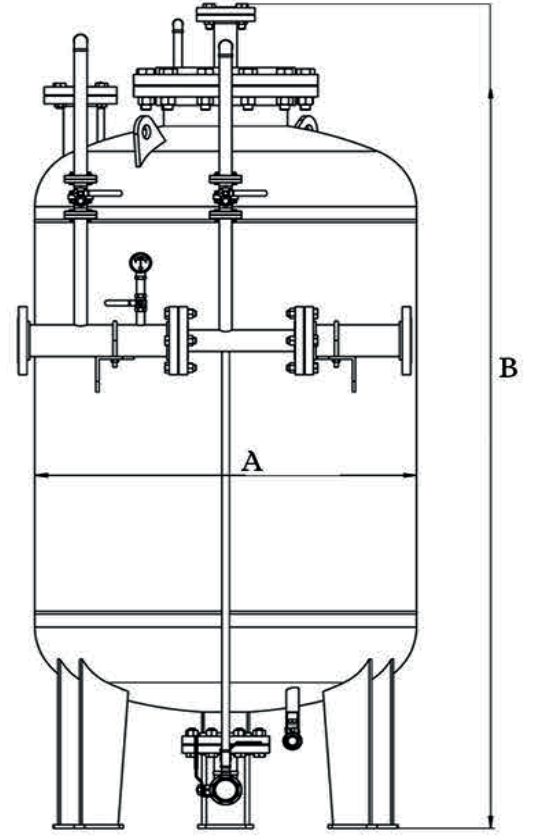
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Dimensions

GAL	A	B	"WGT"
50	24	50.5	470
75	24	50.5	600
100	24	68	720
150	32	68	1050
200	36	89	1320
250	36	102	1480
300	36	115	1600
350	36	128	1600
400	36	140	2000
450	36	153	2175
500	48	106	2350
600	48	120	2800
700	48	134	3050
800	48	148	3400
900	48		3720
1000	48	176	3900
1100	60	143	4150
1200	60	152	4370
1300	60	158	4550
1400	60	170	4760
1500	60	178	4940
1600	72	142	5130
1700	72	148	5330
1800	72	155	5510
1900	72	161	5690
2000	72	167	6030
2100	84	142	6200
2200	84	147	6400
2300	84	151	6510
2400	84	155	6780
2500	84	160	6850



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