



## Vertical & Horizontal Bladder Tanks

### DESCRIPTION

The Chemguard Bladder Tank is one component in a balanced 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 VIII for unfired pressure vessels with a working pressure of 175 psi and tested to one and one half times this pressure.

### SPECIFICATIONS

The tank shell is constructed of steel, complying with ASME specifications, possessing a tensile strength of not less than 70,000 psi. The circumferential, as well as the longitudinal body seam, are machine welded. The tank interior is sand blasted white and all welds and edges are ground smooth.

The tank shell water inlet is screened to prevent bladder blow out or the entrapment of debris between the tank shell and the bladder. All other openings greater than 1" are also screened to prevent bladder blow out.

The vertical tank assembly is supported by a continuous skirt with access holes for the bladder drain/fill valve and the tank shell drain/fill valve. Four feet are provided for anchoring the tank. The horizontal assembly is supported on two saddles welded to the tank and fitted with anchoring holes.

### FEATURES

- ◆ U.L. Listed
- ◆ Bladder is manufactured of nylon reinforced Buna-N. The bladder material shall have a

Mullen burst pressure in excess of 800 psi and is constructed to conform to the inside dimensions of the tank.

- ◆ 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 1 1/2" diameter.
- ◆ Both the 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 are supplied with a label which identifies the type of foam concentrate the system is designed for, the percentage ratio and the tank size.
- ◆ Tanks are painted red enamel.

### OPTIONS

1. Coal tar epoxy for coating the interior shell of the tank (for use in salt water environment).
2. Sight Glass.
3. Proportioner pre-piped onto tank assembly.

4. Primed red 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

## ORDERING INFORMATION

When ordering Chemguard Bladder Tanks, please specify the following:

Type of tank required, Horizontal or Vertical

Size of tank

Exterior finish of tank

Whether required for salt water environment

Any other options required

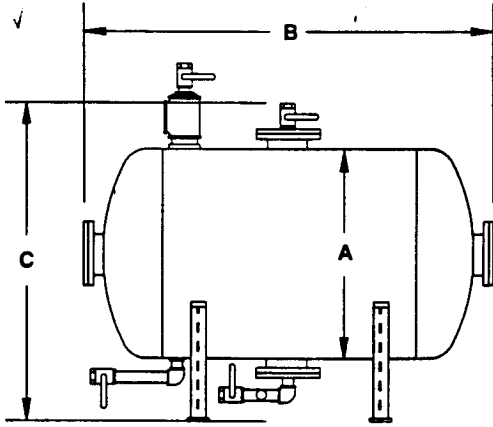
*Foam concentrate outlets and water inlets are 2" NPT on tanks up to 450 gallons. For tank capacities over 450 gallons, foam concentrate outlets and water inlets are 3" NPT.*

\* *Approximate shipping weight in pounds*

\*\* *Vertical Only*

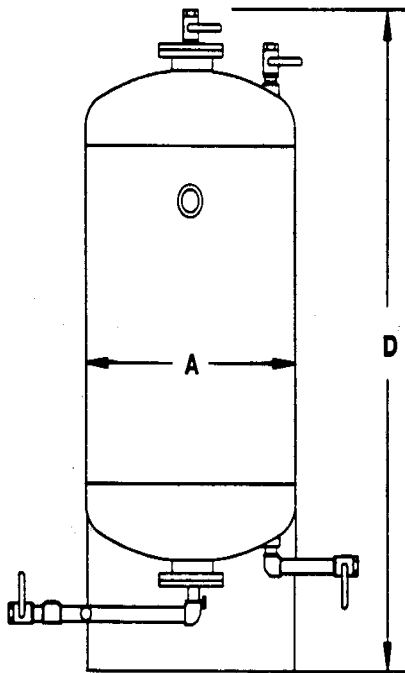
\*\*\* *Horizontal Only*

GAL.	A	B	C	D	*WGT.
**25	24	30	52	51	300
**36	24	35	52	57	390
50	24	44	52	65	470
75	24	58	52	79	600
100	24	73	52	94	720
150	36	55	65	76	1050
200	36	68	65	89	1320
250	36	81	65	102	1480
300	36	94	65	115	1600
350	36	107	65	128	1800
400	36	119	65	140	2000
450	36	132	65	153	2175
500	48	85	76	106	2350
600	48	99	76	120	2800
700	48	113	76	134	3050
800	48	127	76	148	3400
900	48	141	76	162	3720
1000	48	155	76	176	3900
1100	60	122	88	143	4150
1200	60	131	88	152	4370
1300	60	137	88	158	4550
1400	60	149	88	170	4760
1500	60	155	88	176	4940
1600	72	121	100	142	5130
1700	72	127	100	148	5330
1800	72	134	100	155	5510
1900	72	140	100	161	5690
2000	72	146	100	167	6030
2100	84	121	112	137	6200
2200	84	126	112	141	6400
2300	84	130	112	146	6610
2400	84	134	112	150	6780
2500	84	139	112	155	6850
2600	84	144	112	160	7200
2700	84	148	112	164	7350
2800	84	153	112	169	7500
2900	84	157	112	174	7700
3000	84	160	112	178	7900
3100	84	164	112	183	8125
3200	84	169	112	187	8350
3300	84	173	112	192	8575
3400	84	178	112	196	8800
3500	84	182	112	201	9025
3600	84	187	112	206	9250
3700	84	191	112	210	9475
3800	84	196	112	215	9700
3900	84	200	112	219	9925
4000	84	205	112	224	10150
4100	84	209	112	229	10375
4200	84	214	112	234	10500
4300	84	218	112	238	10725
4400	84	223	112	242	10925
4500	84	227	112	247	11200
***4500	96	180	119	-	10700
***5000	96	197	119	-	11600
***5500	96	215	119	-	12500
***6000	96	234	119	-	13600



**HORIZONTAL BLADDER TANK**

Available in 50 to 6000 gallon sizes



**VERTICAL BLADDER TANK**

Available in 25 to 4500 gallon sizes