

CHEMGUARD Bladder Tank Sight Gauge

Application

The CHEMGUARD Bladder Tank Sight Gauge is designed as a convenient visual method of estimating the level of foam concentrate in the tank.

Bladder tank construction does not allow pressurized, continuous, or direct gauge readings. The CHEMGUARD Bladder Tank Sight Gauge is non-pressure rated and shows empty when in the normal operating position.

Because CHEMGUARD bladder tanks are pressurized when operated, the pressure must be relieved before a sight gauge reading can be taken. After the water is drained, and the pressure is vented, the full port ball valve can be opened to the "READ" position. This allows the concentrate in the tank to seek its own level in the sight gauge tube enabling a visual estimation of the bladder tank concentrate level.

As an integral part, the gauge has easy-to-follow instructions with a ring pin to secure the valve handle in the proper position.

The sight gauge is not recommended for use with AR-AFFF (non-Newtonian) types of foam concentrate.

Specifications

The sight gauge shall be a device for estimating the quantity of foam concentrate in a bladder tank, and shall be self-draining.

The gauge tube shall be 1/2 in. polycarbonate and tested for compatibility with the agent used. It shall be fastened to the tank near the tube top and the tube bottom shall terminate in a 1/2 in. full port bronze body ball valve.

The valve shall have a chromium-plated bronze ball, bronze stem, stainless steel handle and locking nut, and high performance reinforced TEFLON* seats and stuffing box ring with a 600 psi (41.4 bar) WOG rating. The valve shall have a clearly legible nameplate including the necessary steps to safely use the sight gauge.

The valve handle shall be drilled so that it may be pinned in the position that allows operation of the bladder tank. The pin shall be attached to the valve by a chain to avoid loss.

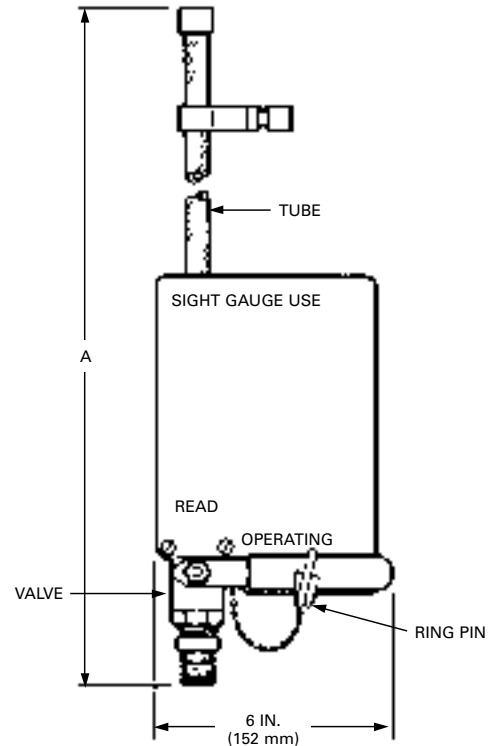
The gauge assembly shall be designed for connection to a 1/2 in. FNPT.

Ordering Information

The CHEMGUARD sight gauge shipping assembly is an option shipped as a separate component:

- Part No. 68427 for 50 gal to 400 gal (189 L to 1514 L) vertical bladder tanks and all horizontal bladder tanks
- Part No. 422863 for 500 gal to 1500 gal (1893 L to 5678 L) vertical bladder tanks.

The included tube is full length and can be cut to size per the approximate dimensions in the table. The approximate shipping weight is 3 lb (1.4 kg).



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Nominal Capacity Gallons	Vertical Tank Dimension A*		Horizontal Tank Dimension A*	
	in.	(m)	in.	(m)
50	52	(1.32)	—	—
100	78	(1.98)	40	(1.02)
150	78	(1.98)	46	(1.17)
200	96	(2.44)	46	(1.17)
300	100	(2.54)	52	(1.32)
400	96	(2.44)	58	(1.47)
500	114	(2.90)	58	(1.47)
600	102	(2.59)	64	(1.63)
700	120	(3.05)	64	(1.63)
800	112	(2.84)	70	(1.78)
900	124	(3.15)	70	(1.78)
1000	134	(3.40)	70	(1.78)
1100	127	(3.23)	76	(1.93)
1200	136	(3.45)	76	(1.93)
1300	145	(3.68)	76	(1.93)
1400	154	(3.91)	76	(1.93)
1500	163	(4.14)	76	(1.93)
1600 – 1900	—	—	76	(1.93)
2000 – 3000	—	—	88	(2.24)

* Dimensions are approximate.

Note: The converted metric values in this document are provided for dimensional reference only and do not reflect an actual measurement.

*TEFLON is a trademark of its respective owner.

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