

Strantrol® CO₂ Feed Systems

CO₂ 750 LB Bulk Storage Tank

The stationary CO₂ tank supplies a continuous flow of CO₂ to meet your pool's requirements. The tank is filled from outside your building through the fill box, which is mounted to an exterior wall. The system provides hands-free operation with no employee monitoring or intervention. The use of the bulk CO₂ tank will enable you to reduce your CO₂ costs by up to 30% with no residual CO₂ returned to the supplier from cylinder change-outs and a lower CO₂ cost per pound.

Siemens Water Technologies has a CO₂ tank that fits the demands of the aquatic application, including high-flow applications. It features a proprietary internal stainless steel vaporizer that provides superior CO₂ gas delivery at a rate of over 6.8 kg (15 lbs) per hour. A pressure regulating system has been added to the tank to ensure that the supply of CO₂ is continuous and unaffected by periods of high demand. A protective coating has also been applied to each unit to safeguard it from corrosive conditions found in the mechanical room. These features ensure your tank will continue to provide your water with the proper pH balance and your control system will continue to meet your needs for years to come.

Key Benefits

- Proprietary vacuum regeneration system for convenient, on-site maintenance
- Safe, low operating pressure with easy-to-read gauges for contents and tank pressure
- Efficient gas withdrawal system supplies CO₂ gas up to 6.8 kg (15 lbs) per hour
- Fully automated system requiring no electricity
- Optional 15.2 cm (6") welded uni-body legs



Product Sheet

Technical Data

Dimensions

Diameter	660.4 mm (26")
Height	1727.2 mm (68") with legs add 152.4 mm (6")
Empty weight	195 kg (430 lbs)

Design Criteria

Code	ASME*
MAWP	20.7 bar (300 psig)
Insulation type	SI**

Capacity

Net volume	310 L (82 Gal)
Liquid storage capacity	350 kg (771 lbs)

Performance

Evaporation rate per day§	1.4 kg (3 lbs)
CO ₂ gas delivery (continuous)	6.8 kg/hr (15 lb/hr)

Components

ASME® relief valve setting	20.7 bar (300 psig)
Secondary RV setting	31 bar (450 psig)
Gas use connection	6.35 mm (1/4") in 45° flare
Fill line connection	15.9 mm (5/8") in male 45° flare
Vent connection tubing	12.7 mm (1/2") OD

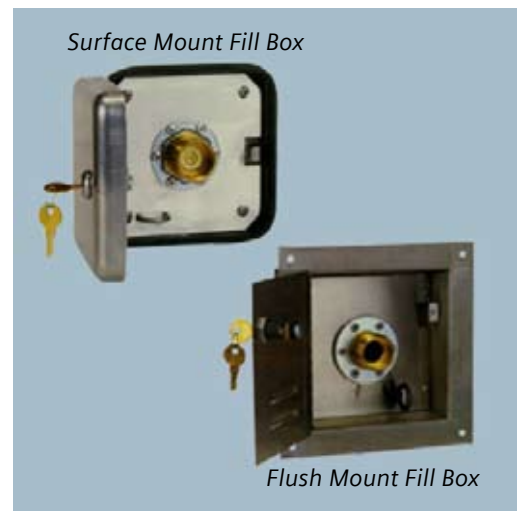
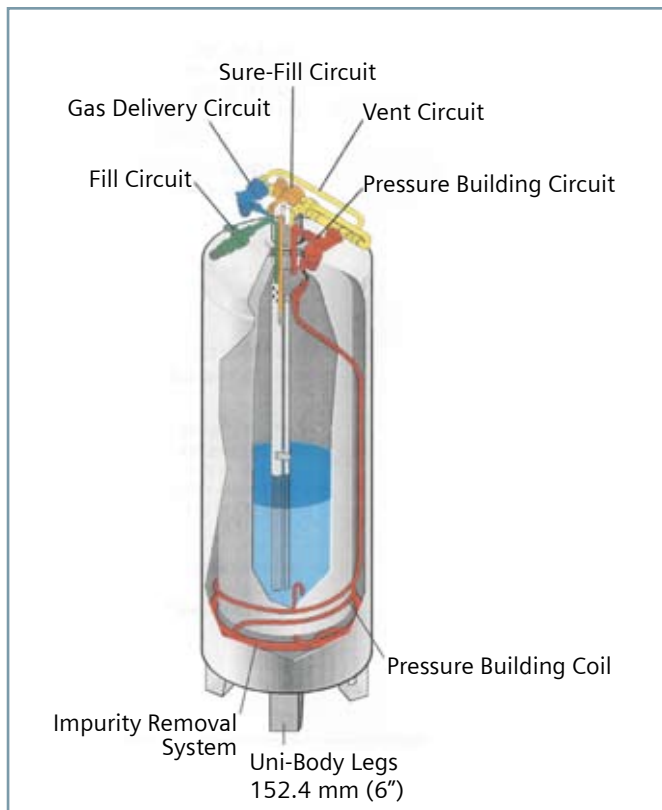
Construction

Inner vessel material	Stainless steel
Outer vessel material	Strainless steel
Liquid level gauge	Float type (magnetic)

* ASME® boiler and pressure vessel design section VIII, Division 1.

** Superior insulation / high vacuum

§ No loss in normal applications



Siemens
Water Technologies

Germany
+49 8221 9040
wtger.water@siemens.com

United Kingdom
+44 1732 771777
wtuk.water@siemens.com

USA
+1 800 809 0971
stranco.water@siemens.com

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