

ROBERTS OXYGEN

Bulk Supply

We Also Sell . . .

Specialty Gases

- Pure Gases
- Special Mixtures
- Custom Blends
- Semiconductor Gases

Medical Gases

- Carbon Dioxide U.S.P.
- Helium U.S.P.
- Medical Air U.S.P.
- Nitrogen N.F.
- Nitrous Oxide U.S.P.
- Oxygen U.S.P.

Value Added Services

- e-Storefront - Manage Your Account Online 24/7
- Paperless Billing
- Next Day Deliveries
- 24 / 7 Emergency Delivery



- Healthcare
- Semiconductor
- Chemical/Petrochemical
- Laboratories
- Universities
- Food Service
- Biotech
- Pharmaceutical
- Industrial Fabrication

Roberts Oxygen provides custom solutions for the BULK gas application you require. Our cryogenic experts design and install the exact system and determine the right size and type of storage system based on your volume, desired pressure, purity level, flow rate, and operating pattern that allows your applications to run smoothly, safely and profitably. Rely on our experience to analyze your requirements and design a complete, cost-effective and reliable solution.

Roberts Oxygen provides bulk storage tanks for **argon**, **carbon dioxide**, **helium**, **nitrogen** and **oxygen** appropriately sized for your unique application.

www.robertsoxygen.com





Standard Bulk Tanks

Premium bulk storage products, the VS/HS and VT/HT series provide the most efficient bulk storage tanks for atmospheric gases in the market today.

PRODUCT ADVANTAGES

- Sizes, pressures and configurations to meet most applications
- Backed by an industry-leading 5-year vacuum warranty
- Leg design provides better access to anchor bolts for quicker installation
- Plumbing built in accordance with ASME B31.3 code and leak tested at 1.1 times the MAWP
- Long-life Hentzen urethane paint system
- Inner vessel designed and built to ASME Section VIII Division 1 code
- Tank mounted vaporizer optional on the 525, 900 and 1500 gallon models (2000 SCFH)

Model	Gross Capacity		Net Capacity		MAWP*		Flow Capacity**		Diameter		Height		Weight***		NER %/day in O ₂ /Ar	NER %/day in N ₂
	Gal	Liters	Gal	Liters	psig	bar	SCFH	Nm ³ /hr	in	mm	in	mm	lbs.	Kg		
VS 525SC	570	2,158	510	1,931	250	17.2	9,000	237	66	1,676	105	2,667	3,300	1,500	.55	.89
VS 900SC	940	3,558	850	3,218	250	17.2	9,000	237	66	1,676	136	3,454	4,400	2,000	.45	.73
VS 1500SC	1,640	6,208	1,580	5,981	250	17.2	9,000	237	66	1,676	196	4,978	6,200	2,818	.35	.56
VS 3000SC	3,150	11,924	3,030	11,470	175 250	12.1 17.2	18,000	473	86	2,184	228	5,791	11,100 12,800	4,990 5,806	.25	.40
VS 6000SC	6,010	22,750	5,770	21,842	175 250	12.1 17.2	18,000	473	86	2,184	383	9,728	19,900 21,500	9,026 9,752	.15	.24
VS 9000SC	9,360	35,431	8,990	34,031	175 250	12.1 17.2	42,000	1,104	114	2,896	348	8,840	29,400 32,300	13,364 14,682	.10	.16
VS 11000SC	11,410	43,192	10,960	41,488	175 250	12.1 17.2	42,000	1,104	114	2,896	407	10,338	35,200 38,700	16,000 17,591	.10	.16
VS 13000SC	13,470	50,989	13,060	49,437	175 250	12.1 17.2	42,000	1,104	114	2,896	466	11,837	41,700 45,700	18,955 20,773	.10	.16
VS 15000SC	15,520	58,750	15,060	57,008	175 250	12.1 17.2	42,000	1,104	114	2,896	525	13,335	48,000 52,600	21,818 23,909	.10	.16

* MAWP - Maximum Allowable Working Pressure. 400, 500 psig tanks are available upon request ** Flow capacity rating down to a 20% contents level with a maximum fall of in tank operating pressure of 15 psig (bar) *** Weights are for ASME designs (NER) = Normal Evaporation Rate



Bulk CO₂ Storage

Bulk CO₂ storage vessels utilize the same vacuum insulation systems used on our cryogenic bulk storage tanks

HORIZONTAL															
Model	Gross Capacity		Net Capacity		MAWP*		Width		Height		Length		Weight**		NER %/day in CO ₂
	Ton	(Tonne)	Ton	(Tonne)	PSIG	(bar)	in	(mm)	in	(mm)	in	(mm)	lbs	kg	
6 Ton	6.8	(6.2)	6.4	(5.8)	350	(24.1)	68	(1,728)	80	(2,032)	188	(4,775)	9,300	(4,130)	.24
14 Ton	13.2	(12.0)	12.6	(11.4)	350	(24.1)	86	(2,184)	95	(2,184)	233	(5,913)	17,400	(7,890)	.12
30 Ton	31.3	(28.4)	29.8	(27.0)	350	(24.1)	114	(2,900)	127	(3,226)	280	(7,112)	39,700	(18,008)	.08
50 Ton	48.1	(43.6)	45.8	(41.5)	350	(24.1)	114	(2,900)	127	(3,226)	396	(10,058)	56,900	(25,800)	.06

* Maximum Allowable Working Pressure ** Tare weight