

Right-size your production with MicroBulk cylinders.

Flexible installation provides convenience and safety when a bulk tank is too large.

Use one single, trusted provider.

We offer a comprehensive, high-quality suite of industrial gas products, containers and trailers of all sizes, including:

- Industrial liquid Cylinders
- Beverage carbonation Cylinders
- MicroBulk Cylinders
- Standard bulk Tanks
- Cryogenic Trailers
- Refrigerant, high-pressure, acetylene and forklift cylinders
- CNG Tanks

They work together for a seamless, low-maintenance, high-performance solution for you. All through one source.

Achieve maximized operating efficiencies.

The cylinder provides a constant on-stream supply, avoiding any unplanned down time due to supply run-out.

Reduce service calls.

Know when the cylinder is empty with highly reliable, proprietary digital and mechanical liquid level gauges.

Increase your flexibility.

MicroBulk cylinders free up valuable floor space and can be easily changed to larger or smaller sizes based on future product demand.



Coming soon

The industry's first liquid cylinder vacuum sensor and optional digital reader takes the guesswork out of diagnosing repairs and reduces unnecessary refurbishment costs.

Specifications

MODEL	MAWP		GROSS VOL		NET VOL		DIAMETER		HEIGHT		EMPTY WEIGHT		GASSEOUS WITHDRAW RATE
	psig	barg	gal	Liters	gal	Liters	inches	mm	inches	mm	lbs	kgs	SCFH
MB – 1000HP	350	24.1	284	1074	255	965	42	1067	92.5	2350	2000	907	960
MB – 1000VHP	500	34.5	284	1074	255	965	42	1067	92.5	2350	2200	997	960
MB – 1500HP	350	24.1	411	1552	386	1457	48	1219	98.5	2500	2500	1133	1350
MB – 1500VHP	500	34.5	411	1552	386	1457	48	1219	98.5	2500	3000	1360	1350
MB – 2000HP	350	24.1	540	2043	513	1942	48	1219	119.5	3035	3000	1360	1400
MB – 2000VHP	500	34.5	540	2043	513	1942	48	1219	119.5	3035	3250	1474	1400
MB – 3000HP	350	24.1	775	2933	720	2725	59	1499	115	2921	3900	1769	1550
MB – 3000VHP	500	34.5	775	2933	720	2725	59	1499	115	2921	4500	2041	1550

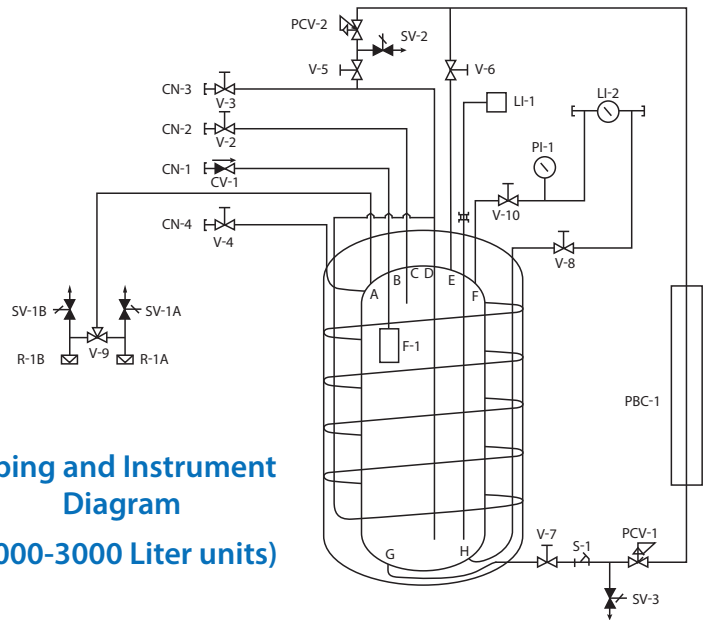
Performance

LIQUID	CALCULATE SCF
Nitrogen	Liquid capacity x 12.81
Oxygen	Liquid capacity x 11.21
Argon	Liquid capacity x 8.98
Carbon Dioxide	Liquid capacity x 8.1

Piping and Instrument Legend

- CN-1 CONNECTION, FILL
- CN-2 CONNECTION, FULL TRYCOCK AND VENT
- CN-3 CONNECTION, LIQUID WITHDRAWAL
- CN-4 CONNECTION, VAPORIZER OUTLET (INTERNAL)
- CV-1 CHECK VALVE, PUMP/TOP FILL
- V-2 VALVE, FULL TRYCOCK/VENT
- V-3 VALVE, LIQUID WITHDRAWAL
- V-4 VALVE, GAS USE
- V-5 VALVE, ECONOMIZER ISOLATION
- V-6 VALVE, PRESSURE BUILDING OUTLET
- V-7 VALVE, PRESSURE BUILDING INLET
- V-8 VALVE, LIQUID INSTRUMENT
- V-9 VALVE, DIVERTER
- V-10 VALVE, GAS INSTRUMENT
- LI-1 LIQUID LEVEL GAUGE
- LI-2 LIQUID LEVEL DP GAUGE (OPTIONAL)
- PI-1 PRESSURE GAUGE
- PBC-1 PRESSURE BUILDING COIL
- PCV-1 PRESSURE BUILDING REGULATOR
- PCV-2 ECONOMIZER REGULATOR
- S-1 STRAINER
- SV-1A SAFETY VALVE
- SV-1B SAFETY VALVE (OPTIONAL)
- SV-2 RELIEF VALVE
- SV-3 RELIEF VALVE
- R-1A INNER CONTAINER BURST DISC
- R-1B INNER CONTAINER BURST DISC (OPTIONAL)
- F-1 FLOAT

Piping and Instrument Diagram (1000-3000 Liter units)



Specifications are subject to change without notice.

*For full range of NER percentages and proper NER testing methods, please refer to our "Instructions for Use" (IFU) manual.



Worthington's MicroBulk Cylinders are made in Theodore, AL and our cryogenic Industrial and Bev Carb cylinders are made in Westerville, OH, USA.

Worthington is the leading global supplier of pressure cylinders and related products, offering the most complete line of pressure cylinders in the industry including storage of LPG, refrigerant, oxygen and industrial gases. Worthington offers superior customer service, quality and value to its customers in global retail, industrial, energy and alternative fuels markets.