



Titan® SI Large Vertical Bulk Stations are engineered for exceptional performance, durability, versatility, & value. Available in Liquid Oxygen, Nitrogen, or Argon service.

TITAN® SI LARGE VERTICAL BULK

Models are available in 1,500 to 13,000 gallon sizes and in 250 or 500 psig working pressures. Other sizes and service pressure models are also available.

HIGH PERFORMANCE

- Vacuum-jacketed and super insulated for reduced product losses and extended hold times
- Combination pressure building/economizer regulator
- Standard dual relief system

DURABILITY & DESIGN

- Welded stainless steel piping
- Built to ASME Sec. VIII, Div. 1 Specifications
- Plumbing in accordance with ASME B31.3
- Extended bonnet RegO® control valves
- Backed by competitive 5-year warranty

MODEL	Gross Capacity		Net Capacity		Tare Weight		Height		Diameter		MAWP	NER
	gallon	liter	gallon	liter	lb.	kg	ft./in.	mm	ft./in.	mm	PSIG	% per day in N ₂
250 psi (MP) Models												
1,500 Gal.	1674	6337	1590	6019	7170	3250	18' 4"	5570	5' 8"	1716	250	0.42
3,000 Gal.	3208	12144	3047	11536	13800	6260	19' 11"	6050	7' 2"	2170	250	0.31
6,000 Gal.	5904	22350	5609	21323	23200	10520	31' 8"	9650	7' 2"	2170	250	0.22
9,000 Gal.	9669	36602	9167	34701	28450	12900	33' 6"	10200	9' 6"	2894	250	0.18
11,000 Gal.	11808	44699	11227	42499	33730	15300	39' 5"	12000	9' 6"	2894	250	0.16
13,000 Gal.	13605	51501	12918	48900	38150	17300	44' 4"	13500	9' 6"	2894	250	0.15
500 psi (VHP) Models												
1,500 Gal.	1674	6337	1590	6019	8970	4070	18' 4"	5570	5' 8"	1716	500	0.42
3,000 Gal.	3208	12144	3047	11536	16580	7520	19' 11"	6050	7' 2"	2170	500	0.31
6,000 Gal.	5904	22350	5609	21323	28660	13000	31' 8"	9650	7' 2"	2170	500	0.22

CALL US DIRECT 888-429-5832

www.cyl-tec.com

- 1,500-13,000 gallon tanks
- 250 or 500 psig
- Horizontal models are available

TITAN® SI LARGE BULK OPERATING DIAGRAM (1,500-13,000 gal.)

KEY

C-1	Connection, LI-1, Liquid Phase
C-2	Connection, LI-1, Vapor Phase
C-3	Connection, Aux, Liquid
C-4	Connection, Aux, Gas
CV-1	Check Valve, Fill
FC-1	Connection, Fill
HCV-1	Valve, Bottom Fill
HCV-2	Valve, Top Fill
HCV-7	Valve, Fill Line Drain
HCV-3	Valve, PB In Isolation
HCV-4	Valve, PB Out Isolation
HCV-5	Valve, Vacuum Gauge
HCV-6	Valve, PB Isolation (redundant)
HCV-8	Valve, LI-1 Vapor Gauge
HCV-9	Valve, LI-1 Equalization
HCV-10	Valve, LI-1 Liquid Phase
HCV-11	Valve, Full Trycock
HCV-12	Valve, Vent
HCV-13	Valve, Gas Use
HCV-14A	Valve, Purge
HCV-14B	Valve, Purge
HCV-15	Valve, Safety Relief Selector
HCV-16	Valve, Purge
HCV-17	Valve, Economizer
HCV-18	Valve, Purge
HCV-19	Valve, Aux Gas
HCV-20	Valve, Liquid Withdrawal
LI-1	Level Indicator, Inner Vessel
PI-1	Pressure Gauge, Inner Vessel
PSV-1A	Pressure Safety Valve, Inner Vessel
PSV-1B	Pressure Safety Valve, Inner Vessel
PSE-1A	Rupture Disc, PRD, Inner Vessel
PSE-1B	Rupture Disc, PRD, Inner Vessel
PCV-1	Combination Reg. W/Check Valve
CV-2	Combination Reg. W/Check Valve
TSV-1	Thermal Safety Valve, Fill
TSV-2	Thermal Safety Valve, Fill
TSV-3	Thermal Safety Valve, PB Circuit
S-1	Y-Strainer
PSE-3	Pressure Safety Element, OTR Vessel
VP-1	Valve, Vacuum Pump
VR-1	Vacuum Readout, OTR Vessel
PBC-1	Pressure Build Vaporizer

A	TOP FILL
B	BOTTOM FILL
C	AUX. LIQUID
D	GAS USE
E	LIQUID PHASE
F	GAS PHASE
G	FULL TRYCOCK
H	VENT
J	AUX. GAS
K	ECONOMIZER
S	VACUUM PUMP
R	PRESSURE RELIEF
T	VACUUM GAUGE

LEGEND

	Check Valve
	Connector
	Diverter Valve
	Pressure Gauge
	Regulator
	Thermal Safety
	Valve
	Vaporizer
	Y-Strainer

