

TITAN®

Engineered specifically for cylinder fill plants to greatly increase pumping efficiency & performance

TITAN® LARGE BULK INDUSTRIAL — CYL-FILL™

BENEFITS

- Cyl-Tec's Cyl-Fill™ technology delivers cold, dense liquid directly to the pump
- Designed for cylinder fill plants
- Greatly improves pump performance and efficiency
- Increases longevity of high-wear pump components
- Significantly reduces pump priming times
- Allows for 100% utilization of the liquid contents of the tank

FEATURES & DESIGN

- Stainless steel, vacuum-jacketed siphon "leg"
- Vessel raised on extended legs to increase liquid delivery efficiency
- Comes standard with capability to run two (2) pumps simultaneously
- For Oxygen, Nitrogen, or Argon service
- Built to ASME Section VIII Division 1 Code
- Backed by 5-year vacuum warranty

MODEL	Gross Capacity		Net Capacity		Tare Weight		Height		Diameter		MAWP	NER
	<i>gallon</i>	<i>liter</i>	<i>gallon</i>	<i>liter</i>	<i>lb.</i>	<i>kg</i>	<i>ft./in.</i>	<i>mm</i>	<i>ft./in.</i>	<i>mm</i>	<i>PSIG</i>	<i>% per day in N₂</i>
3,000 Gal.	3,208	12,144	3,047	11,536	14,330	6,500	22' 10"	6,950	7' 2"	2,170	175	0.31
6,000 Gal.	5,904	22,350	5,609	21,323	23,589	10,700	34' 6"	10,550	7' 2"	2,170	175	0.22
9,000 Gal.	9,669	36,601	9,186	34,773	33,070	15,000	36' 1"	11,000	9' 5"	2,870	175	0.18

U.S. TOLL FREE **888-429-5832**

Cyl-Tec® www.cyl-tec.com

- Designed for cylinder fill plants
- Improves pump performance and efficiency
- 100% utilization of the liquid contents

TITAN® CYL-FILL™ LARGE BULK TANKS

TITAN® CYL-FILL®

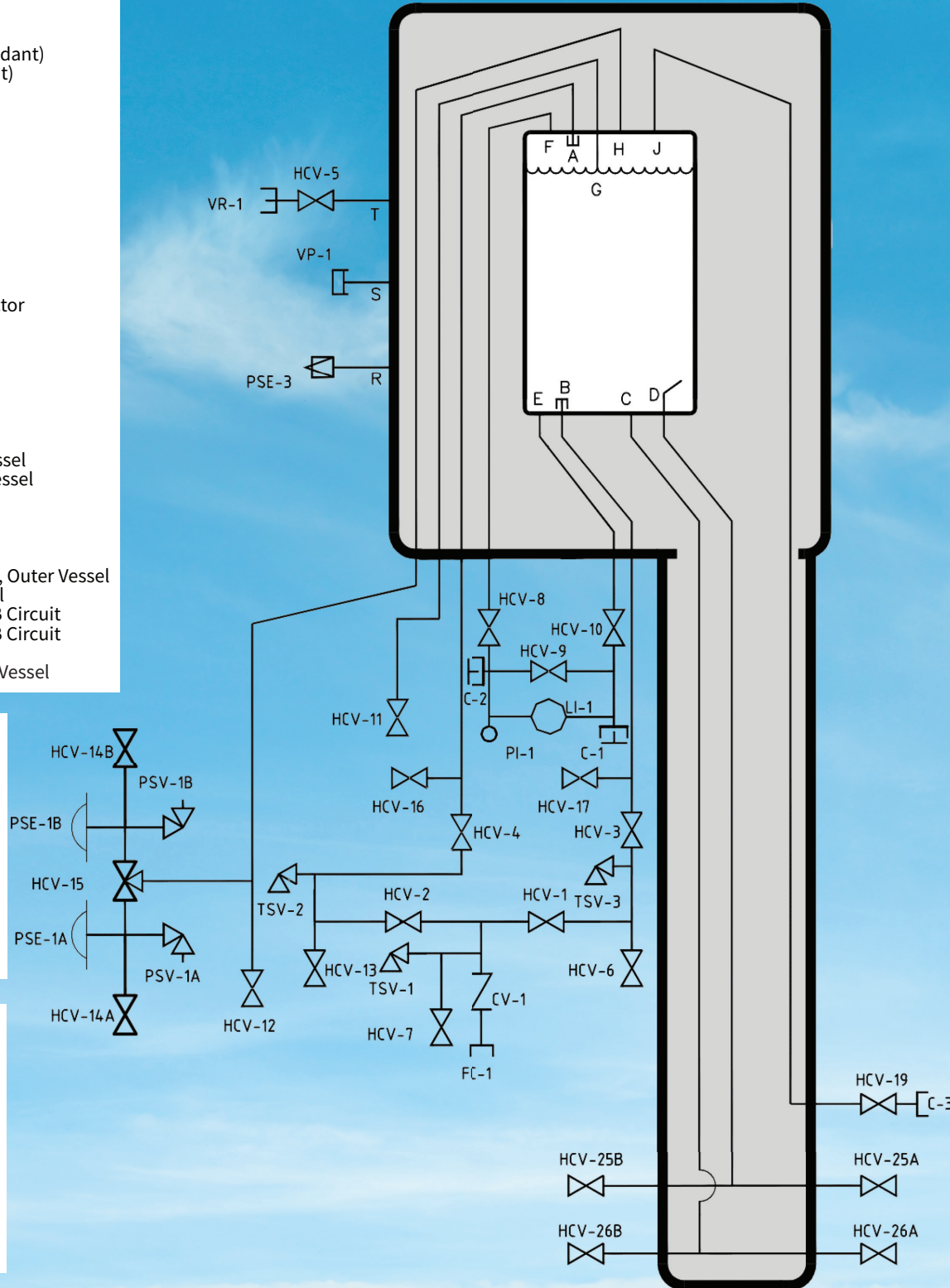
KEY

C-1	Connection, LI-1, Liquid Phase
C-2	Connection, LI-1, Vapor Phase
C-3	Connection, Aux. Gas
CV-1	Check Valve, Fill
FC-1	Connection, Fill
HCV-1	Valve, Bottom Fill
HCV-2	Valve, Top Fill
HCV-3	Valve, Bottom Fill (redundant)
HCV-4	Valve, Top Fill (redundant)
HCV-5	Valve, Vacuum Gauge
HCV-6	Valve, Aux. Liquid
HCV-7	Valve, Fill Line Drain
HCV-8	Valve, LI-1 Vapor Phase
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, Aux. Gas
HCV-14A	Valve, Purge
HCV-14B	Valve, Purge
HCV-15	Valve, Safety Relief Selector
HCV-16	Valve, PB Return
HCV-17	Valve, PB
HCV-19	Valve, Aux Gas
HCV-25A	Valve, Siphon Return
HCV-25B	Valve, Siphon Return
HCV-26A	Valve, Siphon Feed
HCV-26B	Valve, Siphon Feed
LI-1	Level Indicator, Inner Vessel
PI-1	Pressure Gauge, Inner Vessel
PSV-1A	Pressure Safety Valve
PSV-1B	Pressure Safety Valve
PSE-1A	Rupture Disc
PSE-1B	Rupture Disc
PSE-3	Pressure Safety Element, Outer Vessel
TSV-1	Thermal Safety Valve, Fill
TSV-2	Thermal Safety Valve, PB Circuit
TSV-3	Thermal Safety Valve, PB Circuit
VP-1	Valve, Vacuum Pump
VR-1	Vacuum Readout, Outer Vessel

A	TOP FILL
B	BOTTOM FILL
C	SIPHON FEED
D	SIPHON RETURN
E	LIQUID PHASE
F	GAS PHASE
G	FULL TRYCOCK
H	VENT
J	AUX. GAS
R	PRESSURE SAFETY
S	VACUUM PUMP
T	VACUUM TEST

LEGEND

	Check Valve
	Connector
	Diverter Valve
	Level Indicator
	Pressure Safety Element
	Rupture Disc
	Thermal Safety
	Valve



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