



VST SERIES

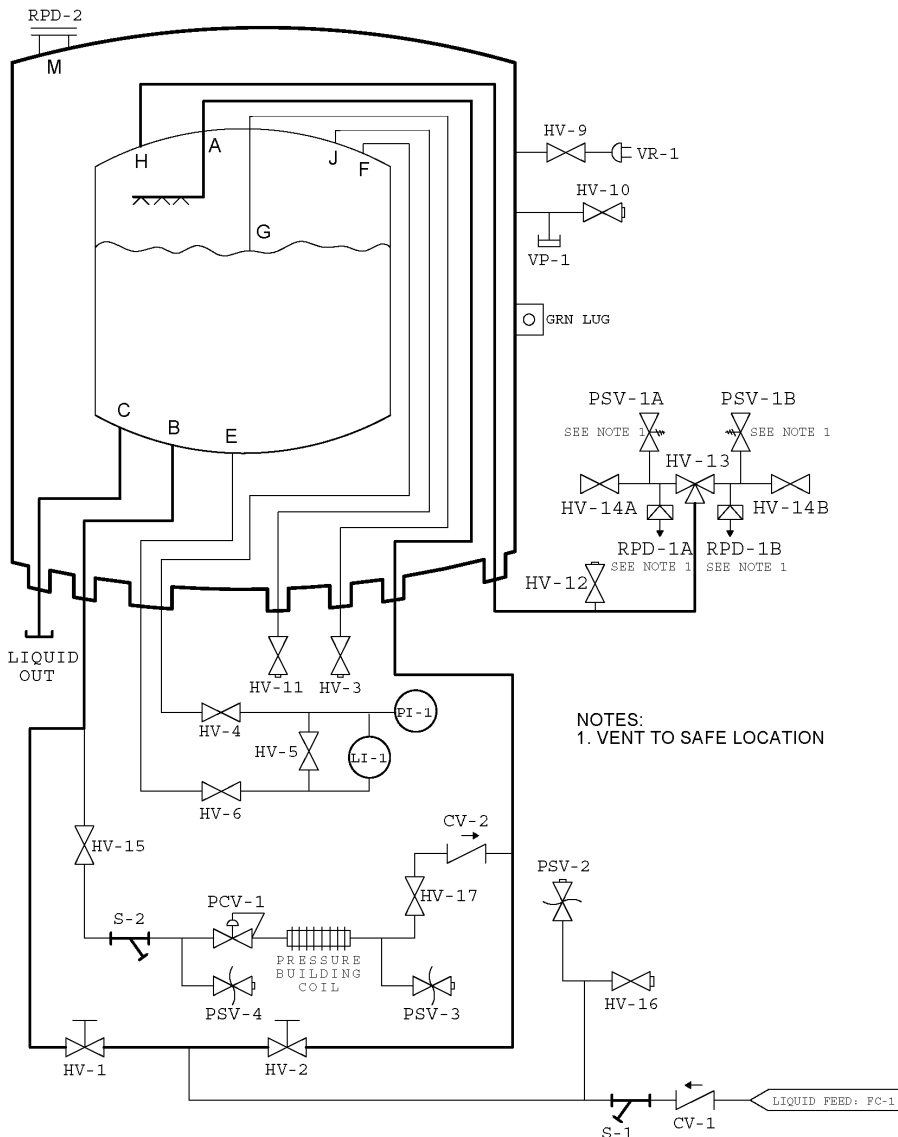
Vertical Storage Tanks

SPECIFICATIONS

Model	Gross Capacity (Gallon)	Net Capacity (95%) (Gallon)	MAWP* (PSIG)	Diameter (inch)	Height** (inch)	Weight** (LBS)	NER (%/Day) In N2
VST 1500	1,620	1,529	175	68	230	11,500	0.50
VST 3000	3,206	3,026	175	86	262	16,900	0.36
VST 6000	6,382	6,023	175	86	475	32,560	0.22
VST 9000	9,607	9,066	175	114	376	41,730	0.14
VST 11000	11,717	11,058	175	114	436	50,675	0.14
VST 13000	13,828	13,026	175	114	500	58,120	0.14
VST 15000	15,903	15,008	175	114	555	68,000	0.14

*MAWP – Maximum Allowable Working Pressure

**Height & Weight are approximated. Detailed specifications will be determined by the selected vessel.



NOTES:
1. VENT TO SAFE LOCATION

TAG DEFINITION	
FC-1	FILL CONNECTION
HV-1	BOTTOM FILL VALVE
HV-2	TOP FILL VALVE
HV-3	FULL TRYCOCK VALVE
HV-4	LI-1 VAPOR PHASE VALVE
HV-5	LI-1 EQUALIZATION VALVE
HV-6	LI-1 LIQUID PHASE VALVE
HV-9	VACUUM GAGE TUBE VALVE
HV-10	EVACUATION PUMP OUT VALVE
HV-11	AUX VAPOR VALVE
HV-12	VAPOR VENT VALVE
HV-13	SAFETY RELIEF SELECTOR VALVE
HV-14A	RELIEF LINE PURGE VALVE
HV-14B	RELIEF LINE PURGE VALVE
HV-15	AUX LIQUID #1 VALVE
HV-16	FILL LINE DRAIN VALVE
HV-17	SHUT OFF VALVE
LI-1	LEVEL INDICATOR (INNER VESSEL)
PI-1	PRESSURE INDICATOR GAUGE
RPD-1A	RUPTURE DISK
RPD-1B	RUPTURE DISK
PSV-1A	PRESSURE SAFETY VALVE
PSV-1B	PRESSURE SAFETY VALVE
PSV-2	FILL LINE RELIEF VALVE
PSV-3	SAFETY VALVE
PSV-4	SAFETY VALVE
VP-1	VACUUM PORT
VR-1	VACUUM READOUT
RPD-2	SAFETY DEVICE FOR VACUUM JACKET
PCV-1	PRESSURE CONTROL VALVE
S-1	STRAINER
S-2	STRAINER
CV-1	CHECK VALVE
CV-2	CHECK VALVE

NOZZLE CHART	
LINE	FUNCTION
A	TOP FILL
B	BOTTOM FILL
C	LIQUID SUPPLY (LN2 WITHDRAWAL)
E	LOWER LIQUID LEVEL
F	UPPER LIQUID LEVEL
G	FULL TRYCOCK
H	VENT
J	AUX VAPOR
L	VACUUM EVACUATION
P	VACUUM MEASUREMENT
M	SAFETY DEVICE (VACUUM LIFT PLATE)