

Taylor-Wharton Microbulk

Why Eleet?

- Stock of 2000-5000L VHP models ready for immediate shipment
- Quality materials: durable stainless steel, superior insulation, and upgraded components
- Isolation and extended stem cryogenic valves included as standard features

Vacuum Probe
5 Year vacuum warranty

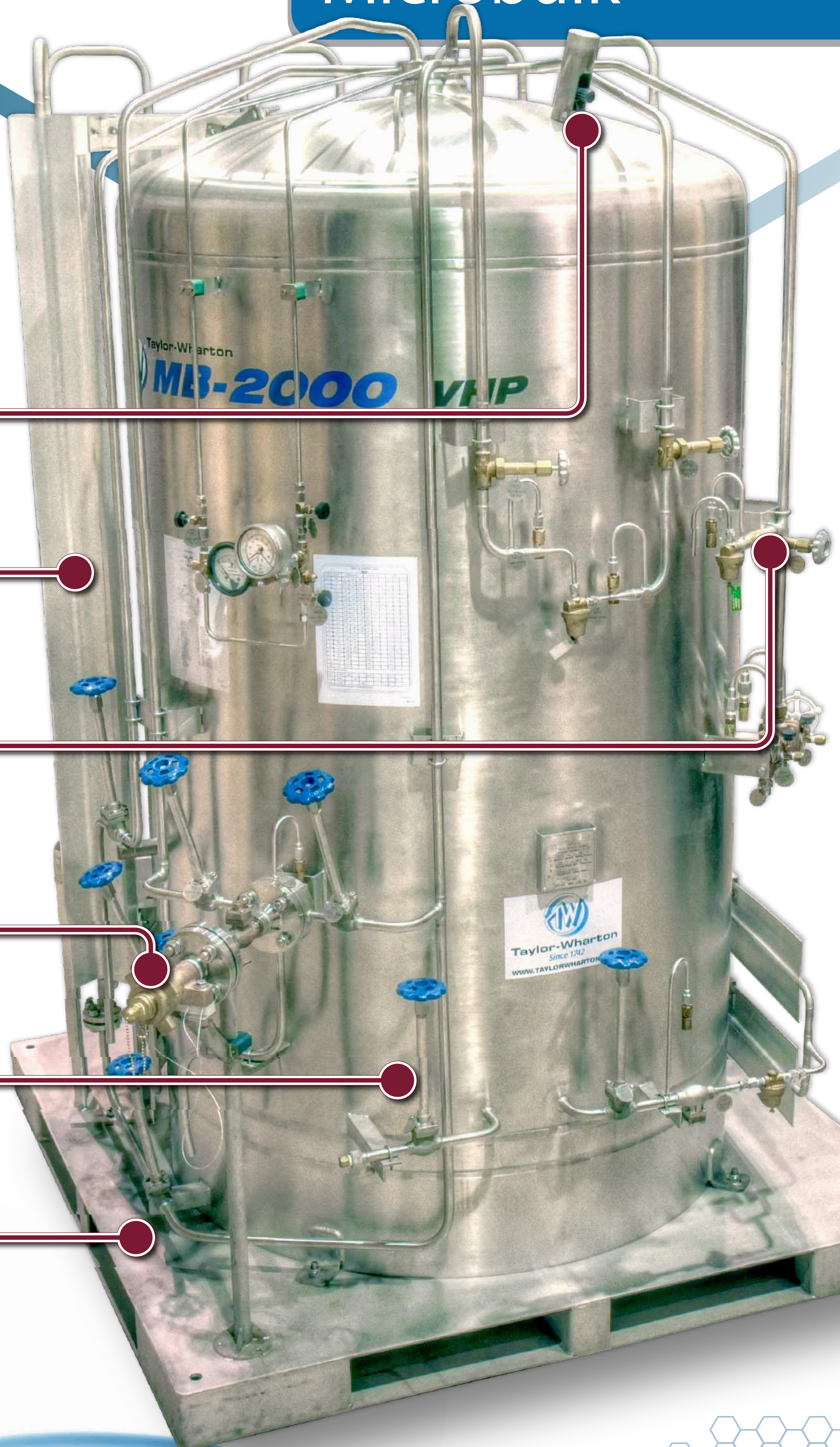
Vaporizer
3,500 SCFH gaseous flow rates
3x higher compared to previous MicroBulk designs

Back Pressure Regulator
Versatility for low pressure applications

Dual Fill Adapter
On heavy duty stand
Fill with MicroBulk or Bulk Trucks

Dedicated Liquid Withdrawal Line with Valve
Add Vacuum Jacketed Valve if needed

Stainless Steel Pallet
Well engineered and rust free



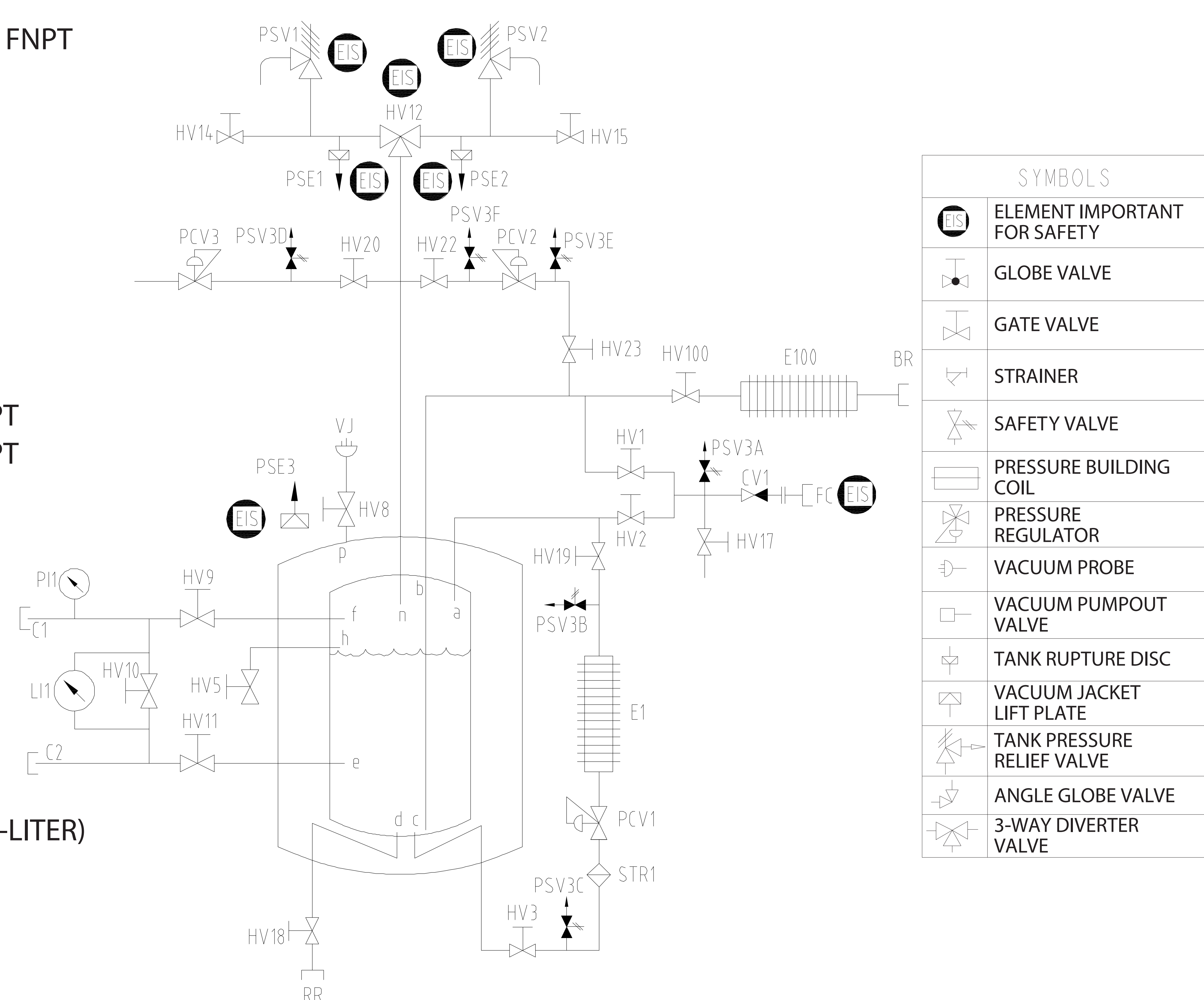
MicroBulk Tank Specifications

| PART/MODEL NO. | M1000/V1000 | M2000/V2000 | M3000/V3000 | M5000/V5000 |
|--|----------------------------|----------------------------|----------------------------|--------------------------|
| MAWP PSI (MPa) | 250 (1.72)/500 (3.45) | 250 (1.72)/500 (3.45) | 250 (1.72)/500 (3.45) | 250 (1.72)/508 (3.5) |
| Operation Pressure PSI (MPa) | 174 (1.2)/435 (3.0) | 174 (1.2)/435 (3.0) | 174 (1.2)/435 (3.0) | 174 (1.2)/435 (3.0) |
| Gross Capacity US gallon (m ³) | 280 (1.06) | 568 (2.15) | 782 (2.96) | 1320 (5) |
| Net Capacity US gallon (m ³) | 251 (0.95) | 512 (1.94) | 713 (2.7) | 1189 (4.5) |
| Estimated tare weight Lbs (kg) | 2315 (1050) 2469 (1120) | 3660 (1660) 3858 (1750) | 3968 (1800) 4806 (2180) | 6173(2800) 7826(3550) |
| Weight with full medium Lbs (kg) | | | | |
| LIN | 4008 (1818) | 7108 (3224) | 8706 (3949) | 14176 (6430) |
| LOX | 4162 (1888) | 7306 (3314) | 9544 (4329) | 15829(7180) |
| LAR | 4705 (2134) | 8530 (3869) | 10659 (4835) | 17483(7930) |
| | 4859 (2204) | 8728 (3959) | 11497 (5215) | 19121(8673) |
| | 5232 (2373) | 9606 (4357) | 12136 (5505) | 19963(9055) |
| | 5386 (2243) | 9804 (4447) | 12974 (5885) | 21616(9805) |
| Tank Diameter Inches (mm) | 43.3 (1100) | 53.1 (1350) | 59.0 (1500) | 79.4 (2016) |
| Pallet Depth Inches (mm) | 61.0 (1550) | 70.9 (1800) | 74.0 (1880) | 99.6 (2530) |
| Pallet Width Inches (mm) | 61.0 (1550) | 70.9 (1800) | 78.7 (2000) | 86.6 (2200) |
| Overall Height Inches (mm) | 90 (2290) | 109.4 (2779) | 110 (2804) | 118.1 (3000) |
| Max N2 Withdrawal Rate SCFH (NM ³ /h) | 1766 (50) | 3531 (100) | 3531 (100) | 3531 (100) |
| NER (nominal evaporation rate) %/DAY (nitrogen) | <1%/DAY | <1%/DAY | <1%/DAY | <1%/DAY |

Piping and Instrument Legend

| | | | |
|--------|--|---------|--|
| a | TOP FILL LINE 1/2" (1000 THRU 3000-LITERS) | PI1 | TANK PRESSURE GAUGE, G 1/2" |
| a | TOP FILL LINE 1" (5000-LITER) | LI1 | LIQUID LEVEL GAUGE, 1/4" FNPT |
| b | BOTTOM FILL LINE 1/2" (1000 THRU 3000-LITERS) | HV17 | FILL LINE PURGE VALVE, 1/2" SW |
| b | BOTTOM FILL LINE 1" (5000-LITER) | PCV2 | ECONOMIZER REGULATOR VALVE, 1/4", FNPT |
| c | LIQUID WITHDRAWAL LINE, 1/2" | PCV3 | BACK PRESSURE REGULATOR VALVE, 1/4" FNPT |
| d | LIQUID WITHDRAWAL LINE, 1/2" | HV10 | EQUALIZATION VALVE, 1/4" MNPT |
| e | LIQUID INSTRUMENT LINE, 3/8"OD | HV11 | LIQUID ISOLATION VALVE, 1/4" MNPT |
| f | GAS INSTRUMENT LINE, 3/8"OD | HV9 | GAS ISOLATION VALVE, 1/4" MNPT |
| h | FULL TRYCOCK LINE, 1/2" | E1 | PRESSURE BUILDING COIL |
| n | SAFETY VENT LINE, 1/2" | PCV1 | PRESSURE REGULATOR, 1/4" FNPT |
| t | VACUUM PUMPOUT LINE & JACKET RELIEF DEVICE, 1/2" | RR | LIQUID CONNECTION, 1/2" FNPT |
| P | VACUUM PROBE, 1/8" | PSV1&2 | SAFETY VALVE, 1/2" FNPT |
| HV1 | FILLING LIQUID BOTTOM VALVE, 1/2" | PSV3A | THERMAL EXPANSION VALVE, 1/4" MNPT |
| HV2 | FILLING GAS TOP VALVE, 1/2" | PSV3F | THERMAL EXPANSION VALVE, 1/4" MNPT |
| HV5 | FULL TRYCOCK VALVE, 1/2" | HV3 | PRESSURE BUILDUP VALVE, 1/2" SW |
| HV100 | GAS SUPPLY VALVE, 1/2" | HV14&15 | SAFETY LINE PURGE VALVE, 1/4" MNPT |
| HV18 | BOTTOM LIQUID VALVE, 1/2" | E100 | ATMOSPHERIC VAPORIZER |
| BR | GAS SUPPLY CONNECTION, 1/2" + 1/2" FNPT | VJ | VACUUM PROBE, 1/8" MVPT |
| PSE3 | VACUUM PUMP & VACUUM BURSTING DISC, 1 1/2" | HV8 | VACUUM PROBE VALVE, 1/8" FNPT |
| C1 | INSTRUMENT GAS CONNECTION, 1/4" FNPT | STR1 | STRAINER, 1/2" SW |
| C2 | INSTRUMENT LIQUID CONNECTION, 1/4" FNPT | FC | FILLING CONNECTION, 1 1/2" |
| PSE1&2 | BURSTING DISC, 1/2" MNPT | CV1 | CHECK VALVE FILL PORT. 1/2" FNPT (1000 THRU 3000-LITERS) |
| HV12 | SAFETY CHANGEOVER VALVE, BRONZE | CV1 | CHECK VALVE FILL PORT. 1" FNPT (5000-LITER) |
| | | HV19 | ISOLATION VALVE FOR PBU, 1/2" SW |
| | | HV20 | ISOLATION VALVE FOR PVC2, 1/2" FNPT |
| | | HV22 | ISOLATION VALVE FOR PVC3, 1/2" FNPT |
| | | HV23 | ISOLATION VALVE FOR PVC3, 1/2" FNPT |

Piping and Instrument Diagram (1000-5000 liter units)



Contact us today for more information about our comprehensive solution!