

HSCO₂

HORIZONTAL BULK STATIONS



PRODUCT HIGHLIGHTS

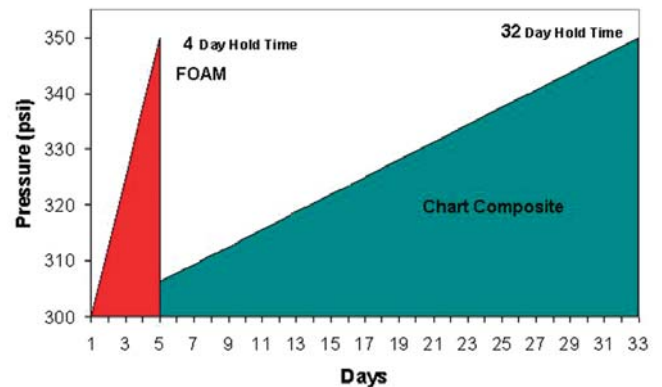
Vacuum Jacketed vs. Foam CO₂ tanks

- Lowest lifecycle costs for bulk CO₂ storage
- Superior functional performance
- Increased reliability and ease of repair
- High-strength, dent resistant outer jacket eliminates deterioration of insulation, costly repairs, down-time
- Reduce potential of CO₂ solidification due to refrigeration failure (power failure)
- Simplified plumbing reduces potential for piping leaks
- Eliminate product loss due to venting
- Hold time is 8 times longer than foam
- Refrigeration system not required for maintaining heat leak
- No monthly maintenance or electrical charge
- No manway required for condenser coil maintenance
- Two-year payback vs. foam tank
- Pressure-building and vaporizer options available, inquire with Chart for more details
- Refrigeration systems including internal coil available as an additional option

Horizontal benefits

- Low profile to meet your height restrictions
- Eliminates seismic concerns
- Replace existing foam footprint

Pressure Rise to Relief

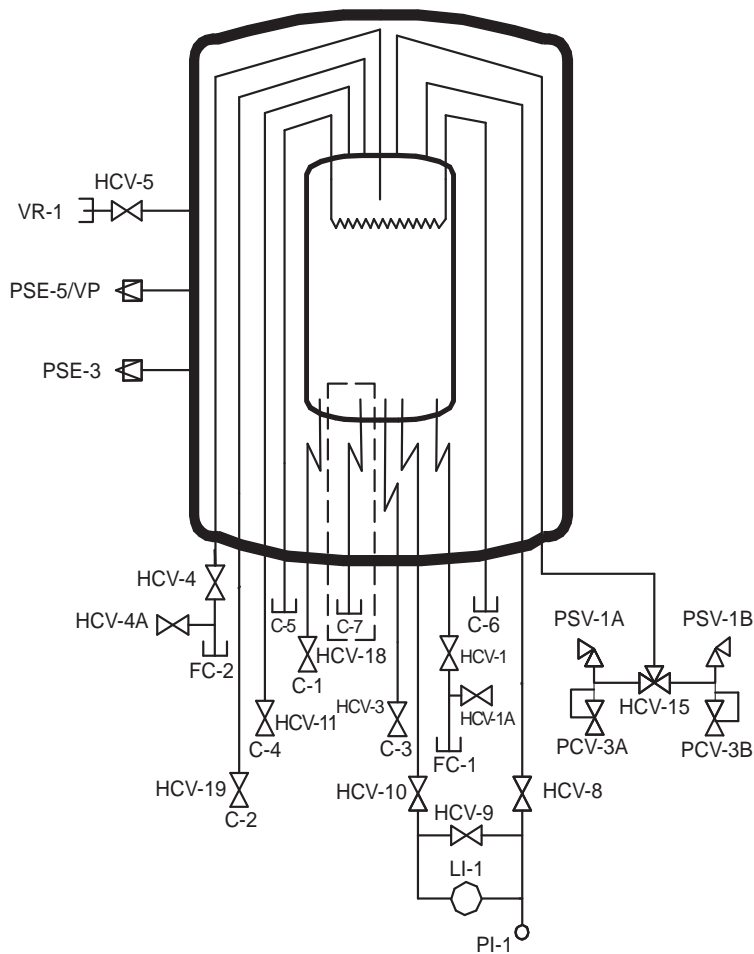


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| HORIZONTAL | | | | | | | | | | | | | | | |
|------------|----------------|---------|--------------|---------|-------|--------|-------|---------|--------|---------|--------|----------|------------------------------|----------|-----|
| Model | Gross Capacity | | Net Capacity | | MAWP* | | Width | | Height | | Length | | NER %/day in CO ₂ | | |
| | Ton | (Tonne) | Ton | (Tonne) | PSIG | (bar) | in | (mm) | in | (mm) | in | (mm) | | lbs | kg |
| 6 Ton | 6.8 | (6.2) | 6.4 | (5.8) | 350 | (24.1) | 68 | (1,728) | 80 | (2,032) | 188 | (4,775) | 9,300 | (4,130) | .24 |
| 14 Ton | 13.2 | (12.0) | 12.6 | (11.4) | 350 | (24.1) | 86 | (2,184) | 95 | (2,184) | 233 | (5,913) | 17,400 | (7,890) | .12 |
| 30 Ton | 31.3 | (28.4) | 29.8 | (27.0) | 350 | (24.1) | 114 | (2,900) | 127 | (3,226) | 280 | (7,112) | 39,700 | (18,008) | .08 |
| 50 Ton | 48.1 | (43.6) | 45.8 | (41.5) | 350 | (24.1) | 114 | (2,900) | 127 | (3,226) | 396 | (10,058) | 56,900 | (25,800) | .06 |

* Maximum Allowable Working Pressure ** Tare weight



Nomenclature

| | |
|----------|---|
| C-1 | Connection, Auxiliary Liquid |
| C-2 | Connection, Auxiliary Vapor |
| C-3 | Connection, PB Liquid |
| C-4 | Connection, PB Vapor |
| FC-1 | Connection, Fill |
| FC-2 | Connection, Vapor Return/Full Trycock |
| HCV-1 | Valve, Bottom Fill |
| HCV-1A | Valve, Drain |
| HCV-3 | Valve, PB Liquid |
| HCV-4 | Valve, Vapor Return/Full Trycock |
| HCV-4A | Valve, Drain |
| HCV-5 | Valve, Vacuum Gauge Tube |
| HCV-8 | Valve, LI-1 Vapor Phase |
| HCV-9 | Valve, LI-1 Equalization |
| HCV-10 | Valve, LI-1 Liquid Phase |
| HCV-11 | Valve, PB Vapor |
| HCV-15 | Valve, Safety Relief Selector |
| HCV-18 | Valve, Auxiliary Liquid |
| HCV-19 | Valve, Auxiliary Vapor |
| LI-1 | Level Indicator, Inner Vessel |
| PI-1 | Pressure Indicator, Inner Vessel |
| PCV-3A | Pressure Control Valve, Econ Vent |
| PCV-3B | Pressure Control Valve, Econ Vent |
| PSE-3 | Pressure Safety Element, Outer Vessel |
| PSE-5/VP | Pressure Safety Element, Otr Ves., Vac Port |
| PSV-1A | Pressure Safety Valve, Inner Vessel |
| PSV-1B | Pressure Safety Valve, Inner Vessel |
| VR-1 | Vacuum Readout, Outer Vessel |

Refrigeration Option

| | |
|-----|-------------------------------------|
| C-5 | Connection, Auxiliary Refrigeration |
| C-6 | Connection, Auxiliary Refrigeration |

*Dashed Line represents Additional Line
(Standard on 30/50 Ton Only)*

| | |
|-----|--|
| C-7 | Connection, Secondary Auxiliary Liquid |
|-----|--|