Chart’s VS High Pressure Bulk Stations are engineered for superior performance in high pressure applications. To support these demands, the VS High Pressure Bulk Station comes standard with a larger pressure-building regulator and coil. For more demanding applications with higher withdrawal rates, a remote pressure-building system is available.

Advanced insulation technology provides longer holding times, and the continuing development of insulation systems has resulted in unsurpassed performance. Our Composite Super Insulation™ is a light-weight system offering superior performance compared to Perlite or Super-Insulation and is easier to maintain, offering longer product hold times.

The standard 500 psig (34.5 bar) tank is available in 1500 - 15,000 gallon (6,208 - 57,008 liters) models. Other sizes are available upon request.

**PRODUCT HIGHLIGHTS**

- All welded stainless steel piping modules
- Heavy duty bronze valves with extended bonnets
- Valve bonnet uniformity to reduce spare parts inventory
- Highest grade components for low to zero maintenance
- Separate pressure building and economizer regulators are standard on all 500 psig (27.6 and 34.5 barg) models
- High performance safety system with dual relief valves and rupture disks supplied as a standard
- Inner vessel designed and built to ASME Section VIII Division 1 code
<table>
<thead>
<tr>
<th>Model</th>
<th>Gross Capacity</th>
<th>Net Capacity</th>
<th>MAWP*</th>
<th>Flow Capacity**</th>
<th>Diameter</th>
<th>Height</th>
<th>Weight***</th>
<th>NER %/day</th>
<th>NER %/day</th>
</tr>
</thead>
<tbody>
<tr>
<td>VS-1500SC</td>
<td>1,640</td>
<td>6,208</td>
<td>500</td>
<td>3,600</td>
<td>97</td>
<td>1676</td>
<td>8,700</td>
<td>3,946</td>
<td>.35</td>
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<tr>
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<td>11,924</td>
<td>500</td>
<td>3,800</td>
<td>100</td>
<td>2,184</td>
<td>15,100</td>
<td>6,849</td>
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<td>VS-6000SC</td>
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<td>22,750</td>
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<td>27,100</td>
<td>12,792</td>
<td>.15</td>
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<tr>
<td>VS-9000SC</td>
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<td>35,431</td>
<td>500</td>
<td>7,500</td>
<td>197</td>
<td>2,896</td>
<td>348</td>
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<td>8,100</td>
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<td>2,896</td>
<td>525</td>
<td>13,335</td>
<td>.10</td>
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</tbody>
</table>

* MAWP - Maximum Allowable Working Pressure.  ** Flow capacity rating down to a 20% contents level with a maximum fall off in tank operating pressure of 15 psi (1 bar).  ***Weights are for ASME design.  (NER) = Nominal Evaporation Rate

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### Nomenclature

- **C-1** Connection, Aux Liquid
- **C-2** Connection, Aux Vapor
- **C-3** Connection, Secondary Aux Liquid
- **C-4** Connection, Secondary Aux Vapor
- **C-8** Connection, Customer Houseline
- **CV-1** Check Valve, Fill
- **HCV-1** Valve, Bottom Fill
- **HCV-2** Valve, Top Fill
- **HCV-3** Valve, PB Inlet
- **HCV-4** Valve, Full Trycock
- **HCV-5** Valve, Vacuum Gauge Tube
- **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, PB Outlet
- **HCV-12** Valve, Vapor Vent
- **HCV-13** Valve, Vaporizer Inlet
- **HCV-15** Valve, Safety Relief Selector
- **HCV-16A** Valve, Test
- **HCV-17** Valve, Vaporizer
- **HCV-20** Valve, Economizer Vent
- **HCV-30** Valve, Inlet Houseline
- **HCV-31** Valve, Bypass Houseline
- **VP-1** Vacuum Port

Dashed lines indicate optional equipment.