The HS Series Bulk Stations are engineered and built with the same quality you have come to expect from Chart. They have standard features along with pre-engineered options sure to satisfy all of your requirements. Chart’s HS Series Bulk Stations are designed to ASME code and available in 175 and 250 psig (12 and 17 barg) as standard (other pressures available upon request).

Our composite insulation system gives you the competitive edge with high thermal performance and extended hold times, resulting in low life-cycle costs. In addition, the light weight design reduces your installation costs.

**PRODUCT ADVANTAGES**

- Piping modules designed for ease-of-access to all operational control valves with stainless steel interconnecting piping minimizes the number of connections, reducing maintenance and cost of ownership
- Component selection to improve operational performance – combination pressure building/economizer regulator for easy pressure adjustment and extended bonnet bronze control valves for ease of operation
- High performance safety system with dual relief valves and rupture disks supplied as a standard
- New, innovative vertical fin pressure building system improves performance, while reducing frost and ice build-up to further reduce your maintenance costs
- Backed by an industry-leading 5-year vacuum warranty
- Inner vessel designed and built to ASME Section VIII Division 1 code
# HS SERIES

## HORIZONTAL BULK STORAGE

### HS SERIES

#### HS-1500SC
- **Model:** HS-1500SC
- **Net Capacity:** 1,640 Gal (6,208 liters)
- **Width:** 17.2 in (437.3 mm)
- **Height:** 201 in (5,099 mm)
- **Length:** 5,105 in (129,755 mm)
- **Weight:** 6,800 lbs (3,084 kg)
- **NER %/day in O₂/Ar:** 56%
- **NER %/day in N₂:** 90%

#### HS-3000SC
- **Model:** HS-3000SC
- **Net Capacity:** 3,150 Gal (11,924 liters)
- **Width:** 12.1 in (307.3 mm)
- **Height:** 233 in (5,909 mm)
- **Length:** 5,918 in (149,820 mm)
- **Weight:** 10,900 lbs (4,944 kg)
- **NER %/day in O₂/Ar:** 32%
- **NER %/day in N₂:** 52%

#### HS-6000SC
- **Model:** HS-6000SC
- **Net Capacity:** 6,010 Gal (22,750 liters)
- **Width:** 12.1 in (307.3 mm)
- **Height:** 386 in (9,804 mm)
- **Length:** 9,004 in (22,861 mm)
- **Weight:** 20,400 lbs (9,265 kg)
- **NER %/day in O₂/Ar:** 22%
- **NER %/day in N₂:** 35%

#### HS-9000SC
- **Model:** HS-9000SC
- **Net Capacity:** 9,360 Gal (35,431 liters)
- **Width:** 12.1 in (307.3 mm)
- **Height:** 540 in (13,716 mm)
- **Length:** 13,316 in (343,040 mm)
- **Weight:** 29,400 lbs (13,336 kg)
- **NER %/day in O₂/Ar:** 15%
- **NER %/day in N₂:** 24%

#### HS-11000SC
- **Model:** HS-11000SC
- **Net Capacity:** 11,410 Gal (43,192 liters)
- **Width:** 12.1 in (307.3 mm)
- **Height:** 540 in (13,316 mm)
- **Length:** 21,872 in (555,704 mm)
- **Weight:** 35,300 lbs (16,012 kg)
- **NER %/day in O₂/Ar:** 15%
- **NER %/day in N₂:** 24%

#### HS-13000SC
- **Model:** HS-13000SC
- **Net Capacity:** 13,470 Gal (50,989 liters)
- **Width:** 12.1 in (307.3 mm)
- **Height:** 540 in (13,316 mm)
- **Length:** 29,400 in (746,774 mm)
- **Weight:** 41,400 lbs (18,779 kg)
- **NER %/day in O₂/Ar:** 15%
- **NER %/day in N₂:** 24%

#### HS-15000SC
- **Model:** HS-15000SC
- **Net Capacity:** 15,520 Gal (57,008 liters)
- **Width:** 12.1 in (307.3 mm)
- **Height:** 540 in (13,316 mm)
- **Length:** 32,300 in (819,808 mm)
- **Weight:** 47,700 lbs (21,636 kg)
- **NER %/day in O₂/Ar:** 15%
- **NER %/day in N₂:** 24%

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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
- **CV-1** Check Valve, Fill
- **CV-3** Check Valve, Economizer
- **CV-17** Valve, Economizer
- **CV-15** Valve, Safety Relief Selector
- **C-8** Connection, Customer Houseline
- **CV-1** Connection, Fill
- **CV-15** Valve, Safety Relief Selector

### Note:
- Optional valves (not shown)
- *Dashed lines represent optional components*

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**Weights are for ASME design.**

**NER = Normal Evaporation Rate**

**MAWP - Maximum Allowable Working Pressure.**

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**Model**

<table>
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<tr>
<th>Model</th>
<th>Gross Capacity</th>
<th>Net Capacity</th>
<th>MAWP*</th>
<th>Width</th>
<th>Height</th>
<th>Length</th>
<th>Weight**</th>
<th>NER %/day in O₂/Ar</th>
<th>NER %/day in N₂</th>
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<td>1,640 Gal</td>
<td>6,208 liters</td>
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<td>80</td>
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**Sheets**

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