

## SPECIAL SEISMIC CERTIFICATION *Shake Table Tested*



■ Cut-away view

### BSD-SSC-FSS-34MSCF

Type IV Single 11' Cylinder Storage

#### PROVEN PERFORMANCE

- Type IV Cylinder
- 3/8" Thick Roto-Molded HDPE Liner
- Manufactured Using Carbon Fiber Hoop and Helical pattern resulting in a 1 1/4" thick Outer Shell
- Custom Manifold and Control Panel
- Fire & Ballistic DOT Certified
- Fast Fuel Technology
- Optional Telemetry for Remote Monitoring

#### DESIGNED FOR SAFETY

- Thermal & Pressure Relief Valve System
- 3 Stage Pressure Relief
- 10,000 PSI Burst Rating
- 4,000 PSI Normal Working Pressure
- 2-Hour Rated Enclosure
- ANSI • CSA • PRD • ISO • DOT Certified



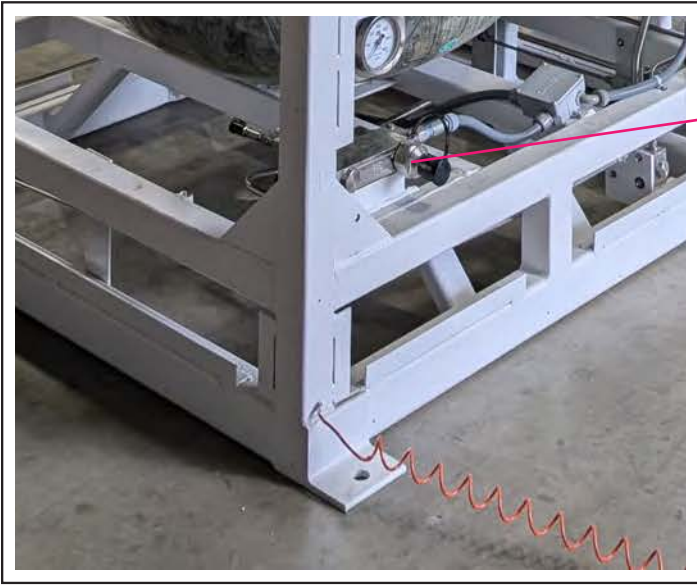
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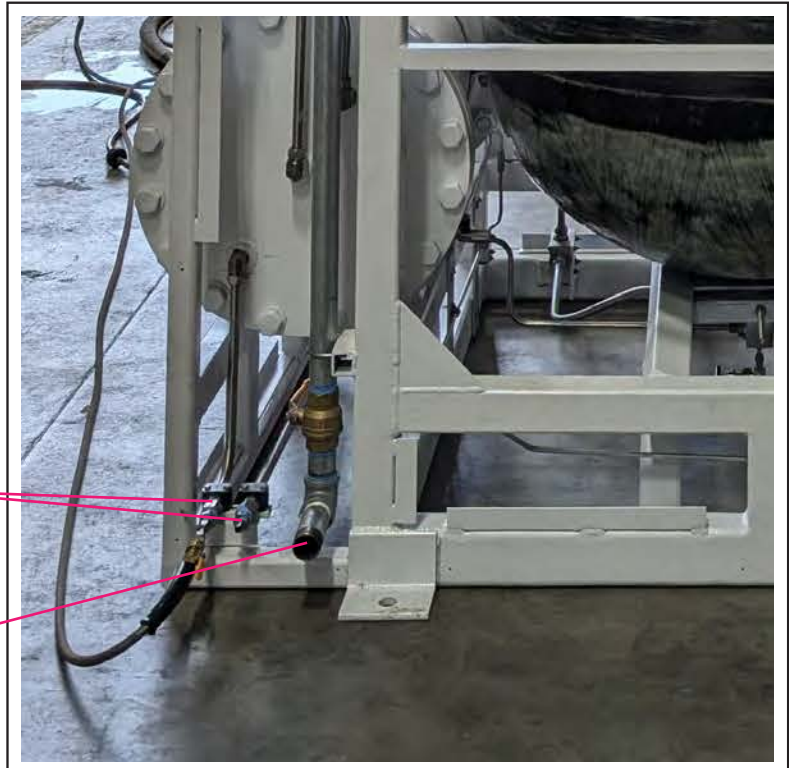
- **Enclosure Dimensions: 13 FT tall x 6 FT wide**
- **Tank Dimensions: 11 FT tall x 4 FT diameter**
- **Tank Volume at Normal Temperature and Pressure (NTP)\* Conditions = 102 SCF**

\*NFPA 55 Section 3.3.100.11 NTP for natural gas is 60 degrees Fahrenheit and 14.7 PSI and is expressed in SCF

# OF CYLINDERS				
1 x 11'				
FUEL TYPE DESCRIPTION				
Fuel Type	CNG	Hydrogen	Helium	Nitrogen
34MSCF @ 3,600PSI	34,000	21,350	25,096	23,087
Weight of Fuel (lb) kg	(1,332) 605	(113) 51	(265) 120	(1,703) 773
Tare weight (lb) kg	(4,835) 2,193	(4,835) 2,193	(4,835) 2,193	(4,835) 2,193
Fully Loaded (lb) kg	(6,167) 2,793	(4,948) 2,244	(5,100) 2,313	(6,538) 2,965
Total Water Vol. (L) Gal.	(2,890) 764 Gallons	(2,890) 764 Gallons	(2,890) 764 Gallons	(2,890) 764 Gallons



**OASIS SERIES 300 ULTRA QUICK FILL PORT**



■ Pictured without enclosure

**3/4" NPT HOT WATER LOOP TO/FROM POWER PLANT**

**1 1/2" NPT FUEL OUTLET TO POWER PLANT**

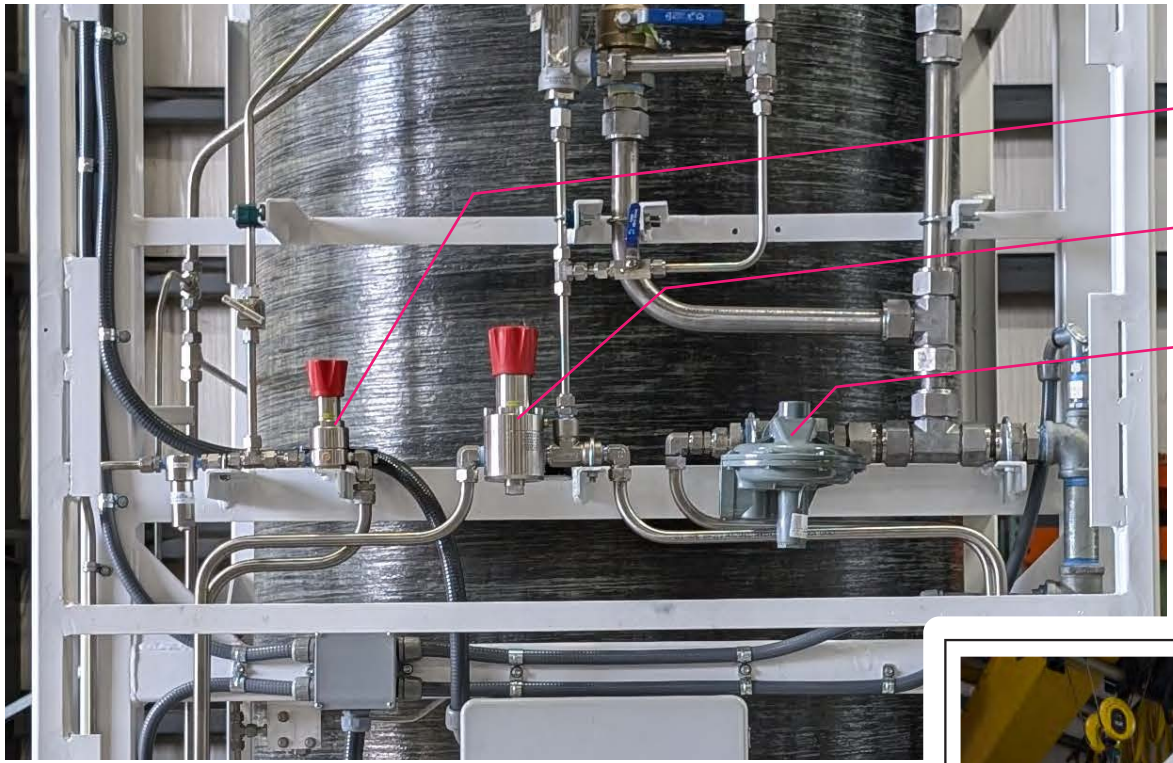
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RSN2-02-5-VVK

RSHN6-02-3-LLK-GN2

P301H4008043F0

**PRESSURE RELIEF  
 VENTS**



**This system ensures pressure boundaries remain consistent.**

The BSD SSC FSS System designed to reduce pressure in 3 stages. 3600 PSI is reduced to 2800 PSI through regulator RSN2-02-5-VVK. 2800 PSI is reduced to 100 PSI through regulator RSHN6-02-3-LLK-GN2. 100 PSI is reduced to 5 PSI through regulator Belgas P301H4008043F0.

**Pressure Relief Valve System**

Consists of the Crosby 951100MFA and Crosby 981105MFA Pressure Relief Valves. This Safety feature protects the system from damage and injury by releasing excess pressure when it exceeds the established limit.

**Pressure Relief Sub System**

Upon thermal activation in the case of a fire the system releases gas vertically from the top of the tank into the atmosphere through the PRD.

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