

# LNG VS & HS SERIES

PREMIER STORAGE SYSTEMS FOR FUEL STATIONS

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Chart's vertical and horizontal LNG storage tanks offer a range of sizes for fuel station applications requiring Maximum Allowable Working Pressures of 175 psig (12 barg) as standard.

Our proprietary composite insulation system gives the competitive edge with high thermal performance, extended hold times, low life-cycle costs and lightweight to reduce operational and installation costs. Chart leads the industry in fuel stations designed for performance, durability and low maintenance.



## PRODUCT ADVANTAGES

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- Most sizes and configurations to meet full trailer off-load requirements.
- Backed by an industry-leading 5-year warranty.
- Leg design provides better access to anchor bolts.
- Plumbing built to ASME B31.3 code and leak tested at 1.1 times the MAWP. Meets NFPA 59A.
- Long-life Hentzen urethane paint system.

## DESIGN ADVANTAGES

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Chart's innovative design provides an industry standard for LNG stations.

- Simple by design, yet robust.
- Piping modules designed for ease-of-access to all operational control valves.

With 25 years of experience in engineering and manufacturing storage tanks and stations, we are Charting the course in LNG fueling.



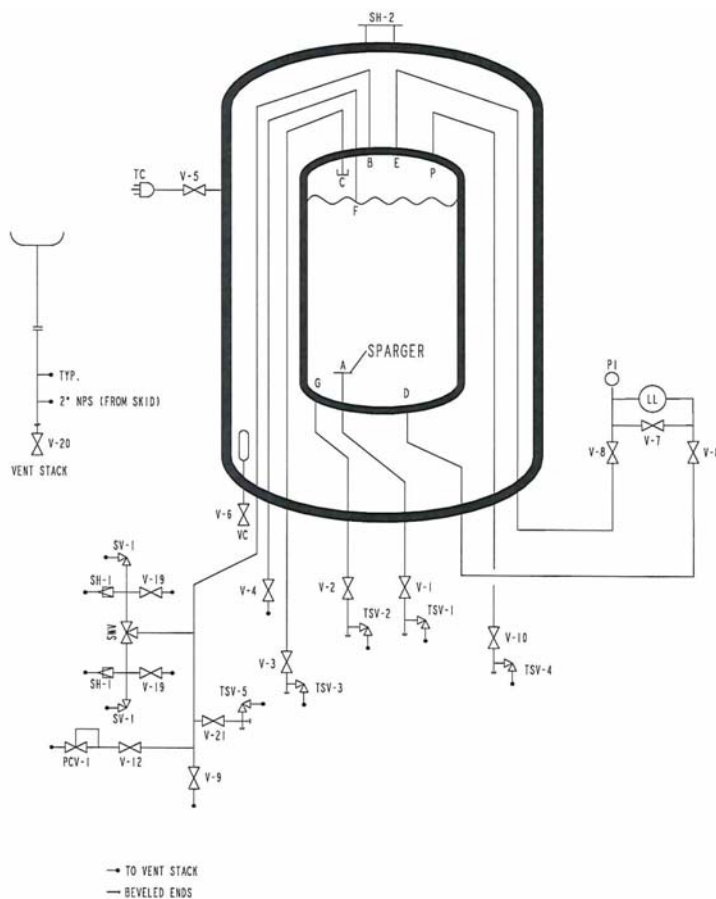
*Innovation. Experience. Performance.®*

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PREMIER STORAGE SYSTEMS FOR FUEL STATIONS

Model	Gross Capacity		Net Capacity		MAWP*		Diameter		Height		Weight**		NER %/day in O <sub>2</sub>	Flow Capacity***	
	Gal	Liters	Gal	Liters	psig	bar	in	mm	in	mm	lbs.	Kg		SCFH	nm <sup>3</sup> /hr
VS 6000SC	6,010	22,750	5,770	21,841	175	12.1	86	2,184	383	9,728	19,900	9,028	.15	18,000	473
VS 15000SC	15,600	59,044	14,040	53,139	175	12.1	114	2,901	525	13,335	60,000	27,216	.15	1,197,800	33,918
HS 15000SC	15,700	59,400	13,950	52,806	175	12.1	114	2,901	127	3,226	47,700	21,636	.15	1,195,900	33,864
VS 18000SC	18,000	68,137	16,030	60,680	175	12.1	134	3,404	473	12,014	47,380	21,491	.15	1,361,000	38,540
HS 18000SC	18,007	68,163	16,030	60,680	175	12.1	134	3,404	138	3,505	47,700	21,636	.15	1,361,000	38,540
VS 20000SC	22,190	84,000	19,970	75,580	175	12.1	134	3,404	588	14,935	65,000	29,484	.15	42,000	1,104

\* MAWP - Maximum Allowable Working Pressure.    \*\* Weights are for ASME designs  
 \*\*\* Flow capacity gas equivalent (LNG) @ 1 atm & 70°F.    (NER) = Nominal Evaporation Rate



## Nomenclature

V-1	BOTTOM RETURN VALVE
V-2	LIQUID WITHDRAWAL
V-3	TOP FILL VALVE
V-4	FULL TRYCOCK VALVE
V-5	TANK VACUUM GAGE VALVE
V-6	TANK EVACUATION VALVE
V-7	CONTENTS GAUGE BY-PASS
V-8	CONTENTS GAUGE SHUT-OFF (2)
V-9	VAPOR VENT VALVE
V-10	VAPOR SHUT-OFF VALVE
V-12	VENT REGULATOR SHUT-OFF
V-19	SAFETY TEST VALVE (2)
V-20	VENT STACK DRAIN
V-21	AUX VENT VALVE
SWV	SWITCH VALVE
SV-1	INNER VESSEL SAFETY (2)
PCV-1	VENT REGULATOR
SH-1	INNER VESSEL SAFETY HD (2)
SH-2	JACKET SAFETY HD (2)
TSV-1	THERMAL LINE RELIEF VALVE
TSV-2	THERMAL LINE RELIEF VALVE
TSV-3	THERMAL LINE RELIEF VALVE
TSV-4	THERMAL LINE RELIEF VALVE
TSV-5	THERMAL LINE RELIEF VALVE
LL	CONTENT GAUGE
PI	TANK PRESS GAUGE
TC	VAC. GAUGE TUBE
VC	EVAC. CONNECTION

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