



**KCEnergi offers a complete portfolio of ASME/ EN-PED shop-fabricated LNG transportation and storage solutions for your application.**

Tank sizes cover a range from 10m<sup>3</sup> to 1000m<sup>3</sup> (2,650 to 265,000 U.S. gallons) with other sizes available for custom applications.

Our tanks utilize perlite /vacuum powder insulation as well as high vacuum MLI (multi-layer wrap) insulation. Perlite is a sustainable insulation material, mined and processed with negligible environmental impact. When exposed to controlled heating, the material expands and forms an internal cellular structure similar to microscopic glass bubbles. This physical transformation provides an extremely efficient, low-density thermal insulation.

Typical working pressures range from 0.2MPa to 3.5MPa. Design codes include ASME, EN/PED, and CRN. In addition to LNG, we provide cryogenic storage for LOX, LIN, LAR and LCO2.



**kcenergi.com | Small-Capacity LNG Solutions**

Official representative of  **FURUISE**

KCEnergi, LLC is the USA based application and sales partner of FuruiCIT (Furui Cryogenic Integrated Technologies). We serve global cryogenic markets while providing special emphasis to the Americas, Caribbean and Sub-Saharan Africa. FuruiCIT is a subsidiary of FURUISE Group, a publicly traded world-class manufacturing company with over 30+ years of experience in cryogenic, marine and infrastructure products and systems. FURUISE employs over 3,500 workers with wholly owned operations in the USA, Europe and Asia.

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## TECHNICAL DATA

MODEL	10V	25V	50H	80H	100V	250V	300H	500H	1000H
<b>NOMINAL CAPACITY</b>									
m <sup>3</sup>	10	25	50	80	100	250	300	500	1000
US Gallons	2650	6625	13250	21200	26500	66250	79500	132500	265000
<b>WATER CAPACITY</b>									
m <sup>3</sup>	11.1	27.8	55.6	88.9	111.1	277.8	333.3	555.6	1111.1
US Gallons	2944	7361	14772	23556	29444	73611	88324	147234	294444
<b>PRESSURE RATING</b>									
Operating Pressure - Mpa	0.8	0.8	0.8	0.63	0.8	0.8	0.7	0.7	0.8
Operating Pressure - PSIG	116	116	116	91.4	116	116	101.5	101.5	116
MAWP - Mpa	0.84	0.84	0.84	0.70	0.84	0.84	0.7	0.7	0.8
MAWP - PSIG	121.8	121.8	121.8	101.5	121.5	121.8	101.5	101.5	116
Design Pressure - Mpa	0.97	0.95	0.95	0.82	1.0	1.0	0.85	0.85	0.95
Design Pressure - PSIG	140.7	137.8	137.8	118.9	145.0	145.0	123.0	123.0	137.8
<b>ORIENTATION</b>									
Vertical	●	●	—	—	●	●	—	—	—
Horizontal	—	—	●	●	—	—	●	●	●
<b>OD DIMENSIONS</b>									
Height - mm	7080	10200	—	—	18174	25506	4800	5200	6200
Length - mm	—	—	12985	12590	—	—	25890	35176	47630
Diameter - mm	2200	2600	3100	3500	3600	4600	4600	5000	6000
Height - ft	23.2	33.5	—	—	59.6	83.7	15.8	17	20.3
Length - ft	—	—	42.5	41.3	—	—	850	115.4	156.3
Diameter - ft	7.2	8.5	10.2	11.5	11.8	15.1	15.1	16.4	19.7
<b>CERTIFICATIONS</b>									
ASME	●	●	●	●	●	●	●	●	●
National Board	●	●	●	●	●	●	●	●	●

**All tanks available per:**

ASME Section VIII, Division 1; Edition 2017  
 ASME Case 2596 (Cold Stretching Procedure)  
 EN/PED  
 2014/68/EU; EM13458-41&2; EN13445-1~5:2014

Note: This drawing is provided for general informational purposes only. Neither KCenergi LLC nor FuruiCIT assume any liability for required, changes and/or revisions or errors.



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