

## PVSLNG Series

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Purifica Vertical LNG Storage Tank Series

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We designed state-of-the-art liquid LNG storage tanks with cutting-edge technology and premium quality materials according to EN 13458. Other international standards and codes are available upon request. **ASME, AS1210, EAC, CODAP etc.**

Moreover, the legs used in the PVSLNG Series are calculated to resist high **wind, snow loads and earthquakes** according to international codes and standards.

PVSLNG series are available in capacity between 3,000-95,000 litres with pressures of 5 and 11 bar.

Purifica Vertical Cryogenic LNG Storage Tank series, are specially designed to provide a safe, reliable, and efficient storage solution for liquid gases such as especially **Liquid Natural gas**. The tank series is made of high-quality steel such as stainless steel to ensure durability and resistance to very low temperatures. Upon request, a carbon steel inner vessel is available optionally.

PVSLNG Series are available in various sizes and configurations to meet different storage needs.

PVSLNG Series has advanced insulation materials and vacuum technology to minimise heat transfer and prevent vaporisation. The tanks are equipped with safety accessories such as pressure relief valves, rupture discs, and emergency vents to prevent overpressure of the stored gases. **Additionally, Fire-Safe valves are available for PVSLNG Series.**

The LNG vertical storage tank series is widely used in various industries, **including as a fuel, food processing, manufacturing, defence and aerospace industries etc.**

PVSLNG Series provide reliable and cost-effective solutions for the storage of liquid gases.

If you are looking for a reliable, safe and cost-effective storage solution for your liquid gases, you should definitely consider the PVSLNG series.



Type	Unit	PVSLNG6	PVSLNG10	PVSLNG16	
Gross Volume	m <sup>3</sup>	5,97	10,62	15,60	
Volume (%95 Filling)	m <sup>3</sup>	5,68	10,09	14,82	
Storage Capacity LN <sup>1</sup>	Kg	2582	4589	6744	
Discharge Capacity LNG <sup>2</sup>	Nm <sup>3</sup> /h	150	300	450	
Normal Evap. Rate (NER) LNG <sup>3</sup>	5 bar	0,39	0,38	0,35	
	11 bar	0,43	0,42	0,39	
Diameter (ØD)	mm	Ø2150		Ø2720	
Height (H)	mm	4050	6050	5400	
Overall Width (W)	mm	2150		2720	
Overall Depth (D)	mm	2430		3000	
Empty Weight	5 bar	Kg	2860	4100	5800
	11 bar	Kg	3000	4300	6200

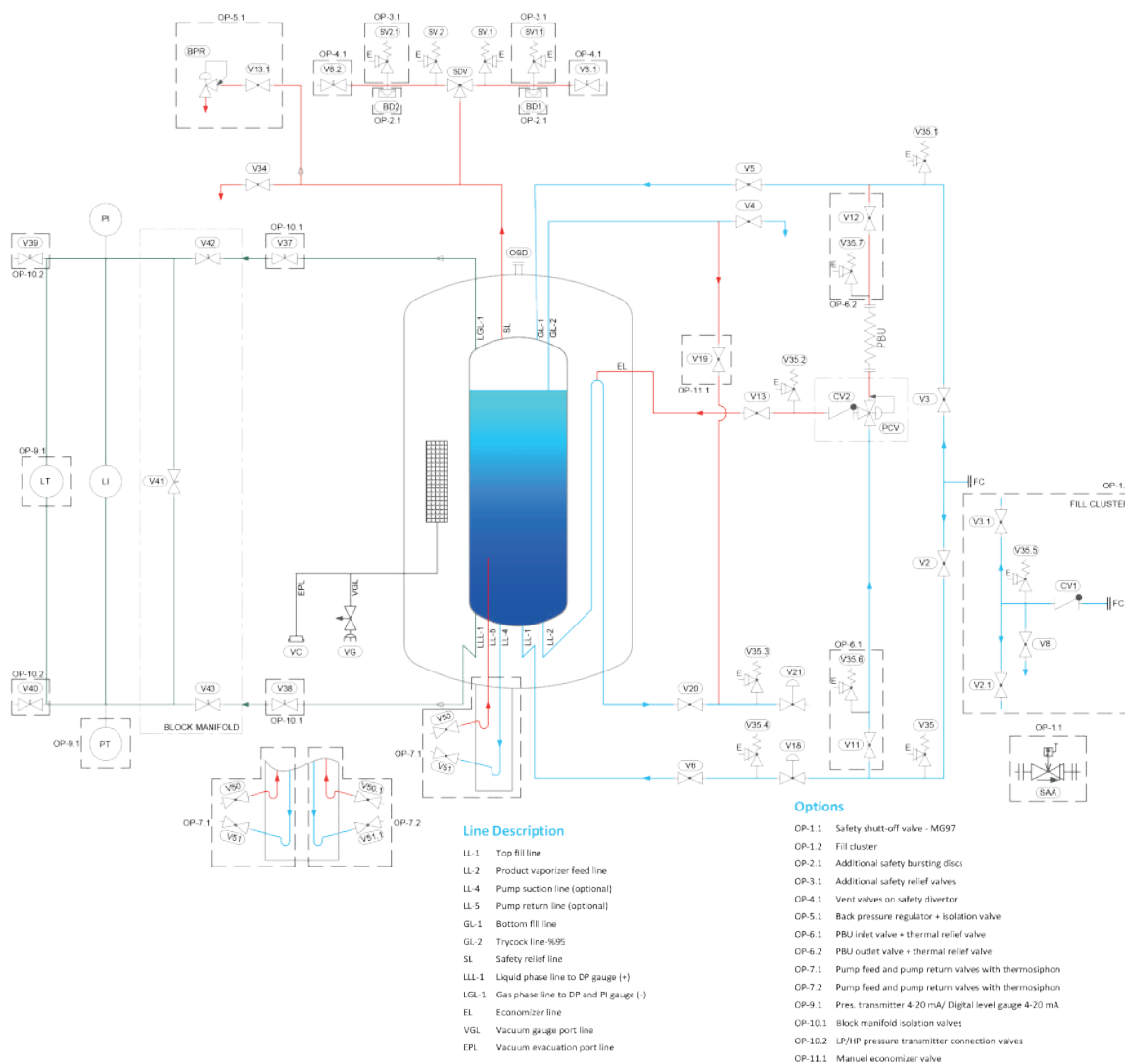
Notes:

1) Filling ratio 95%, depends on density of LNG

2) With standard PBU at 0,7xMAWP and 8 hours operating time

# Benefits:

- 1 Low Maintenance
- 2 Safe and Secure
- 3 Energy Efficient
- 4 Longevity



PVSLNG22	PVSLNG32	PVSLNG50	PVSLNG60	PVSLNG70	PVSTLNG80
21,82	31,15	50,64	59,03	69,89	77,62
20,73	29,59	48,11	56,08	66,39	73,74
9432	13465	21891	25516	30209	33552
450	600	600	750	900	900
0,34	0,32	0,31	0,29	0,27	0,25
0,38	0,36	0,35	0,33	0,31	0,29
Ø2720		Ø2890		Ø3550	
6900	9150	12200	13950	10830	11830
2720		2890		3550	
3000		3170		3830	
7050	8950	12150	13450	16850	18200
7600	9750	14150	15800	19100	20700

3) 1 bara pressure, 15 °C A.T. Vacuum < 5x10<sup>-2</sup> mbar



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[www.purifica.com.tr](http://www.purifica.com.tr)



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