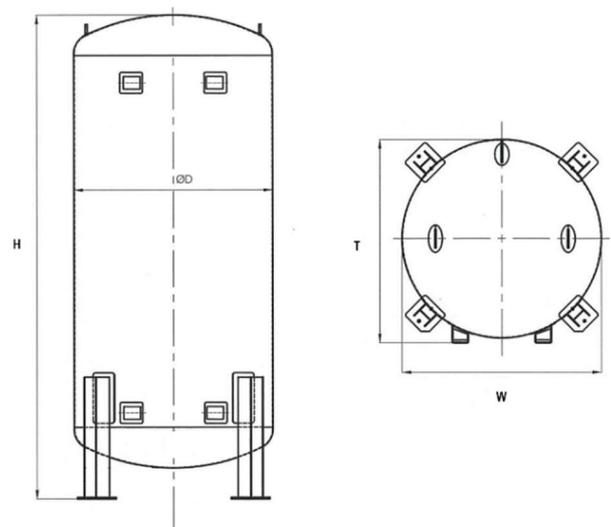


HIGH PRESSURE CRYOGENIC STORAGE TANK

The SS for liquid natural gas, nitrogen, oxygen and argon service is the newest generation of vacuum-isolated cryogenic tanks from Smart Industries. There are several different sizes of storage tanks available, ranging from 1m³ to 200m³. The EU and ASME standards were followed in the design of the SS.

- ✓ Greatest variety of standard options: The basic model may be tailored to satisfy nearly all technical needs thanks to our creative modular design that uses Smart Industries.
- ✓ Use of stainless steel: all welded connections, interconnecting pipes, and valves are made of stainless steel, which is the only material used in construction to ensure the lowest life cycle costs.
- ✓ Components that were chosen for their operational reliability: As standard, stainless valves are included in the safety system, which includes an explosive disc and a dual relief valve.
- ✓ Reduction in total operating costs: the operating system is optimized with fewer connections, minimizing potential leaks and simplifying pipe configuration.



Standard Storage Tanks

Description	Unit	SV1	SV3	SV6	SV10	SV20	SV30	SV60	SV80	SV100
Gross Capacity	Liters	1080	3400	6300	11200	21500	33400	64600	82300	103000
Net Capacity (%95 filling)	Liters	1026	3230	5985	10640	20425	31730	61370	78185	97850
Daily Evaporation Rate O ₂	% / day	0,5	0,4	0,32	0,26	0,22	0,2	0,13	0,1	0,1
Empty Weight	kg	1050	2350	3500	5450	6500	10100	15500	20600	28000
Weight of full Nitrogen - LIN	kg	1871	4934	8288	13962	22840	35484	64596	83148	106280
Weight of full Oxygen - LOX	kg	2230	6065	10383	17686	29989	46590	86076	110513	140528
Weight of full Argon - LAR	kg	2486	6872	11879	20346	35095	54522	101418	130059	164990
Weight of full Natural Gas - LNG	kg	1501	3771	6133	10132	15487	24061	42503	55001	71054
Diameter - ØOD	mm	1200	1700	2100	2100	2500	2750	3300	3400	3900
Height (H)	mm	1600	3100	3500	5500	8000	8000	10500	11500	11500
Width (W)	mm	1200	1700	2100	2100	2500	2750	3300	3400	3900
Transport Height (T)	mm	1650	1800	2200	2200	2600	2850	3450	3550	3950
40 FT OT Transportable		✓	✓	✓	✓					
20 FT OT Transportable		✓	✓	✓	✓					
40 FT FR Transportable						✓	✓	✓	✓	✓