

VERTICAL CRYOGENIC STORAGE TANK



TECHNICAL SPECIFICATION:

1. Designation:	WT30001 to WT30013 – 3,400L to 80,000 Cryogenic Storage Tank
2. Net Capacity:	Refer to Table
3. NER:	0.09 % to 0.34% per day (O ₂)
4. MAWP:	16.2 to 17.2 Bars
5. Tare Weight:	3,300 to 37,300 kg
6. Full Weight:	Refer to Table
7. Inner Container Material Specification: Operating Temperature:	X5CrNi 18-10(1.4301) -196 to +37.8 deg. C
8. Outer Vessel Material Specification: MAWP: Casing Relief Device:	ASTM A36 / P265GH/S235JRG2 Full Vacuum, -1.03 Bars Bursting Disc

TÜV Rheinland certified company for
 ISO 13485 & CE0197 Marking



TABLES AND TECHNICAL DIAGRAM

Tank Model	SCS 3400	SCS 6000	SCS 11000	SCS 17000	SCS 19000	SCS 25000	SCS 27000	SCS 32000	SCS 43000	SCS 48000	SCS 60000	SCS 70000	SCS 80000
Capacity (Liters)													
Warm Water Volume	3400	6000	11000	17400	19000	25000	27000	32000	43000	48000	60000	70000	80000
Nominal Net Liquid Capacity	3230	5700	10450	16530	18050	23750	25650	30400	40850	45600	57000	66500	76000
Dimensions (meters)													
Height	3.9	5.4	8.5	9.2	10.0	12.0	10.2	11.7	10.5	11.5	13.9	16.1	17.8
Diameters	1.9	1.9	1.9	2.2	2.2	2.2	2.5	2.5	3.0	3.0	3.0	3.0	3.0
Weight (Metric Ton)													
Tare	3.3	4.2	6.5	9.6	10.4	12.6	13.3	15.9	19.6	21.0	31.2	35.6	37.3
Gross Operating Weight													
Oxygen	7.0	10.7	18.4	28.5	31.0	39.7	42.6	50.6	66.2	73.1	96.3	111.5	124.1
Nitrogen	5.9	8.8	14.9	23.0	25.0	31.7	34.0	40.5	52.6	57.9	77.3	89.4	98.7
Argon	7.8	12.1	21.0	32.6	35.5	45.7	49.1	58.2	76.5	84.5	110.6	128.2	143.2
NER (% per Day-Oxygen)	0.34	0.32	0.27	0.25	0.21	0.19	0.18	0.17	0.13	0.12	0.10	0.09	0.09
MAWP (Bar)**	17.2										16.2		
Min. Design Temperature (Degree Celsius)	-196										-196		

