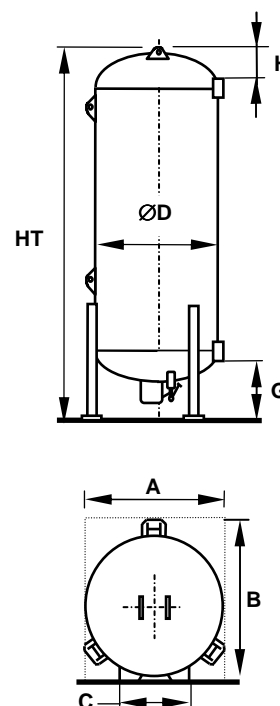
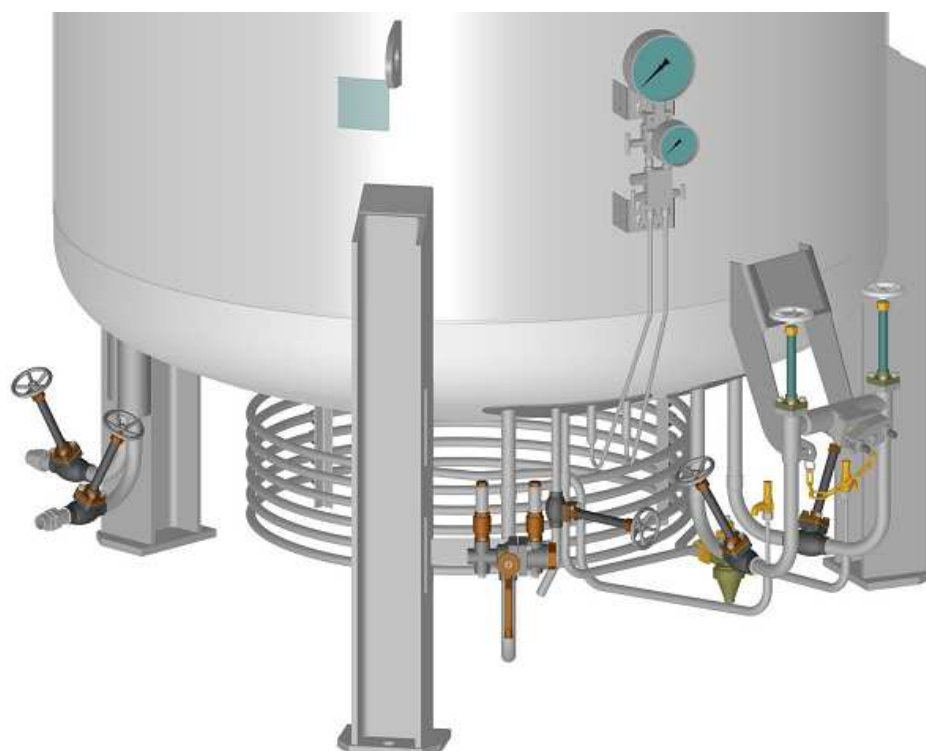


CELINE 3 Vertical Cryogenic Storage Tank

CRYOLOR introduces the latest generation vacuum isolated cryogenic tank, the **Céline 3**, for liquid nitrogen, oxygen or argon service. Available in a wide range of sizes with a Maximum Allowable Working Pressure of 17 bar (\approx 250 psig), **Céline 3** is designed in accordance with the European Pressure Directive **PED 97/23/CE** and EN 13458. Moreover, the support legs used in the Céline 3 range are calculated **to resist high winds and earthquakes (Eurocode 1 and 8 and UBC zone 3)**.

- **The widest range of standard options** : introduced by CRYOLOR, our innovative modular design using prefabricated piping modules, allows the basic model to be customized to satisfy virtually all possible technical requirements.
- **A maximum use of Stainless steel** : Only Céline 3 uses as much stainless in its construction to guarantee the lowest life cycle costs - valves, interconnecting piping, PR coil and all welded connections are stainless.
- **Components selected for their operational reliability** - mono-bloc pressure building economizer - regulator, safety system with dual relief valves and burst discs as standard, stainless valves.
- **Reduced overall operational costs** - optimized pipework layout with fewer connections minimize potential leaks and facilitate operation & servicing, filling assembly isolation valves as standard, proven painting techniques guarantee years of care-free operation.



Type	C3	C6	C10	C21	C27	C33	C53	C63
Gross capacity (liters) *	3 210	5 490	9 445	21 770	28 450	33 160	52 280	61 990
Net capacity (liters) *	3 050	5 216	8 973	20 682	27 028	31 502	49 666	58 891
Daily evaporation rate O ₂ (%)	0,45	0,32	0,26	0,22	0,20	0,18	0,15	0,13
Empty weight (kg)	2 800	3 700	5 100	9 200	11 300	13 600	19 100	21 900
Weight full Nitrogen (kg) - LIN	5 266	7 917	12 355	25 922	33 153	39 070	59 256	69 515
Weight full Oxygen (kg) - LOX	6 280	9 651	15 338	32 798	42 138	49 543	75 768	89 093
Weight full Argon (kg) - LAR	7 048	10 965	17 597	38 005	48 944	57 475	88 274	103 922
Continuous flow rate for 8 hours at 8 bar (Nm ³ /h)	500	500	500	2 000	2 000	2 000	2 000	2 000
Ø Diameter (mm)	1 900	1 900	2 200	2 200	2 200	2 840	2 840	2 840
HT height (mm)	3 490	4 790	5 130	9 430	11 760	8 880	12 700	14 670
H (mm)	480	480	575	520	520	650	650	3 660
G (mm)	925	925	1 055	980	980	1 100	1 100	1 100
A (mm)	2 200	2 200	2 250	2 300	2 300	2 950	2 999	2 999
B (mm)	2 200	2 200	2 450	2 500	2 500	3 300	3 350	3 350
C (mm)	1 100	1 100	1 245	1 245	1 245	1 530	1 530	1 530

* \pm 4%