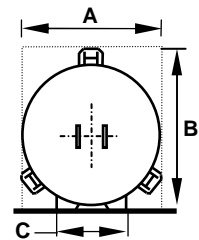
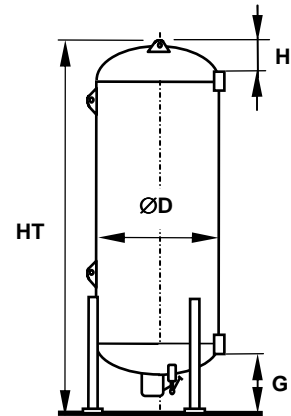
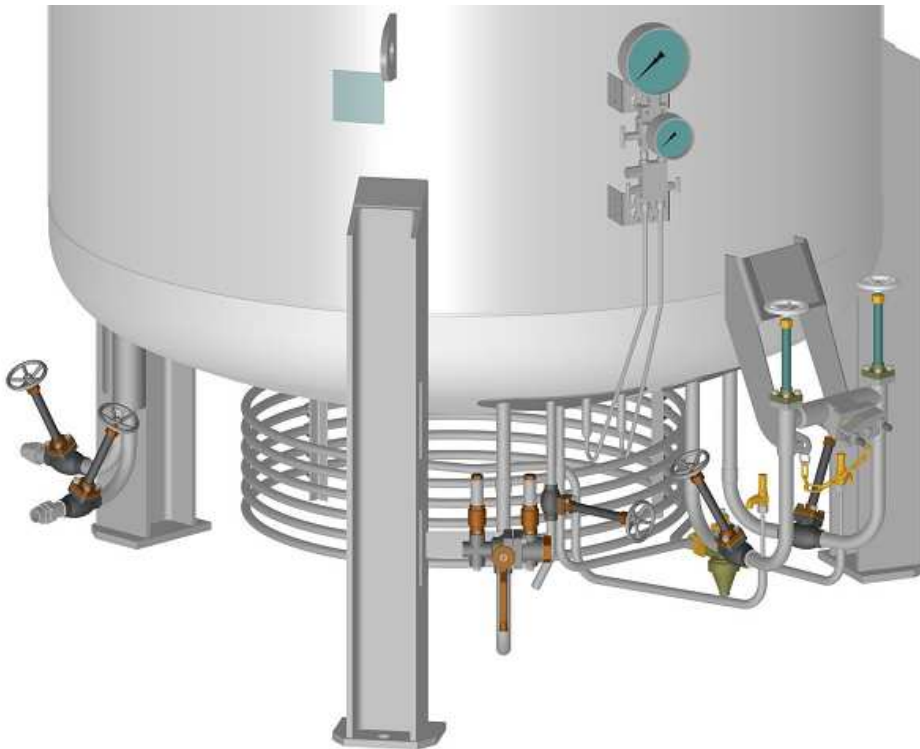


CELINE 3 Vertical Cryogenic Storage Tank

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 22 bar (\approx 320 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	C39	C51	C63
Gross capacity (liters) *	3 440	5 870	10 870	21 770	28 450	38 770	50 420	62 070
Net capacity (liters) *	3 268	5 577	10 327	20 682	27 028	36 832	47 899	58 967
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	5 700	9 700	12 000	16 100	19 900	23 300
Weight full Nitrogen (kg) - LIN	5 441	8 206	14 044	26 411	33 839	45 860	58 602	70 945
Weight full Oxygen (kg) - LOX	6 529	10 063	17 483	33 298	42 839	58 125	74 553	90 581
Weight full Argon (kg) - LAR	7 352	11 469	20 086	38 510	49 650	67 407	86 623	105 441
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	1 900	2 200	2 200	2 840	2 840	2 840
HT height (mm)	3 580	4 890	7 530	9 530	11 860	9 900	12 210	14 670
H (mm)	480	480	480	520	520	650	650	3 660
G (mm)	1 025	1 025	1 025	1 080	1 080	1 100	1 100	1 100
A (mm)	2 200	2 200	2 200	2 300	2 300	2 950	2 999	2 999
B (mm)	2 200	2 200	2 200	2 500	2 500	3 300	3 350	3 350
C (mm)	1 100	1 100	1 100	1 245	1 245	1 530	1 530	1 530

* \pm 4%