

## **OUR PRODUCT RANGE**

■  
Cryogenic Storage Tanks for Atmospheric Gases

■  
Cryogenic Storage Tanks for CO<sub>2</sub> & N<sub>2</sub>O

■  
Cryogenic Storage Tanks for LNG

■  
Thermosiphon Tanks

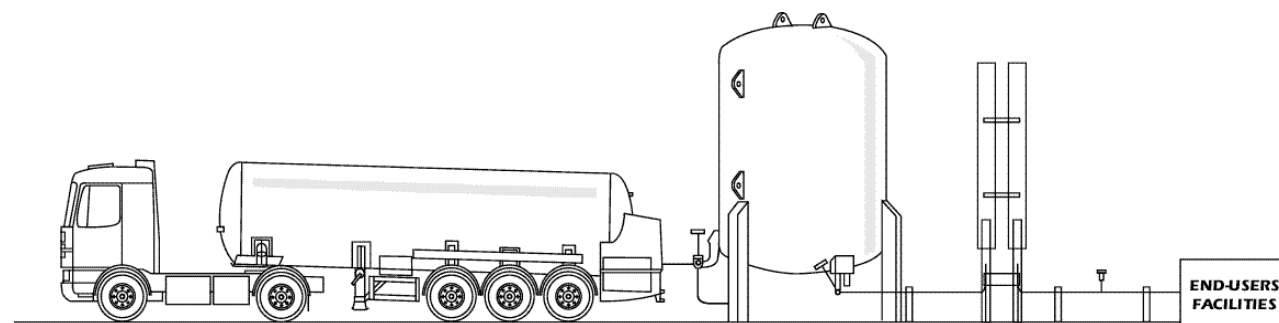
■  
Cryogenic Semi-Trailers

■  
ISO Containers

■  
Rigid Tankers

■  
Atmospheric Vaporisers

■  
Associated Services



**CERTIFIED ISO 9001 SINCE 1991**



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# **RCV/RCI**

## **VACUUM INSULATED CO<sub>2</sub> & N<sub>2</sub>O STORAGE VESSELS**

**NEW  
GENERATION**



**CRYOLOR**

**NEW  
GENERATION**

**RCV/RCI**

**RCV & RCI : NEW RANGE  
ADAPTED TO NEW NEEDS**

**With inner vessel in stainless steel (RCI) or low-temperature carbon steel (RCV), vacuum insulated CO2 tanks represent a significant improvement in terms of costs, safety and reliability over conventional foam insulated vessels.**

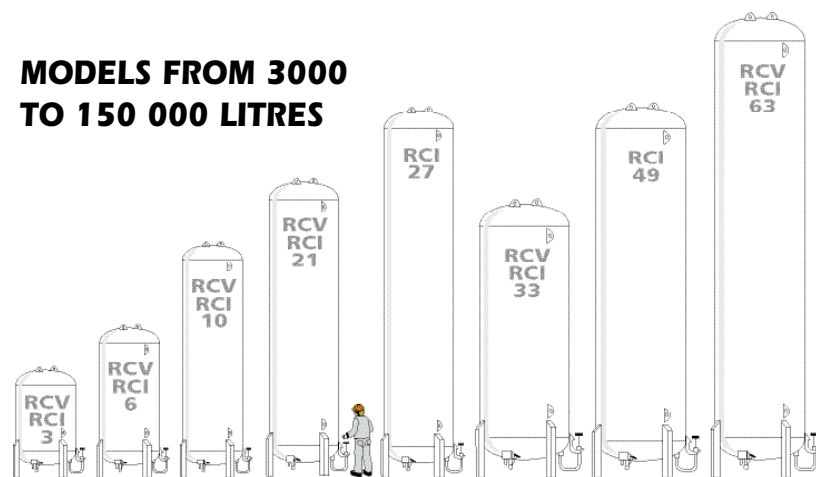
**The New Generation RCI & RCV will ensure maximum value by reducing operating costs related to maintenance, product losses and energy (no fridge unit).**

**And as always, the RCI & RCV use all stainless steel piping and valve bodies as standard.**



Control cabinet with electrical PB unit + 4 safety relief valves (option)

**MODELS FROM 3000  
TO 150 000 LITRES**



**ADVANTAGES**

**CUSTOM-BUILT : A WIDER RANGE OF STANDARD OPTIONS**

- The innovative modular piping design is manufactured using standard, pre-assembled modules.
- The RCI / RCV range can be easily adapted to your specific requirements, tanks to a large number of standard options.

**LONGER LIFE CYCLE**

- The tried and tested design - stainless to stainless welded piping and valves, insulation system and paint techniques - means the RCI & RCV range guarantees a longer, trouble-free life cycle with lower operational costs.
- The RCI & RCV is the only range on the market to use as much stainless steel in its standard design (including stainless valves, interconnecting piping, inner vessel as option).

**HIGH OPERATING RELIABILITY**

- RCI with inner vessel in stainless steel eliminates the risks of pollution while making the equipment highly versatile for food industry and health care applications.
- Components selected for their reliability result in increased performance, easy maintenance and reduced cost of ownership.
- The extensive use of high-grade, robust stainless to stainless welded piping and valves prevents the risk of leakage, eliminates the risks of pollution while making the equipment highly versatile and facilitating maintenance.
- The simplified piping layout minimizes the risk of leakage and facilitate maintenance High performance safety assembly with dual safety valves as standard.

**IMPROVED OPERATING CONDITIONS**

- **Quicker filling and faster withdrawal rates** thanks to the use of large diameter piping. An optional independent pump connection for filling station applications is available for tanks above 21 m<sup>3</sup>. The lines are specially designed to guarantee minimal pressure drop and maximum flow.
- **Optimized distribution:** optional switches and transmitters can be fitted for a remote telemetry system.
- **Electrical control box and refrigeration groupe** are positioned in an ergonomic, easy to access area to facilitate operations and maintenance.



**SAFE & EASY TRANSPORT & INSTALLATION**

Cut transport & installation costs thanks to the CELINE 3 design:

- **transport cradles and lifting lugs in stainless steel are welded onto the tank.**
- **robust support legs:** mean the tanks can be erected using a single crane!
- **Simplified civil engineering:** thanks to the use of mechanical pegs.



**SIMPLIFIED MAINTENANCE**

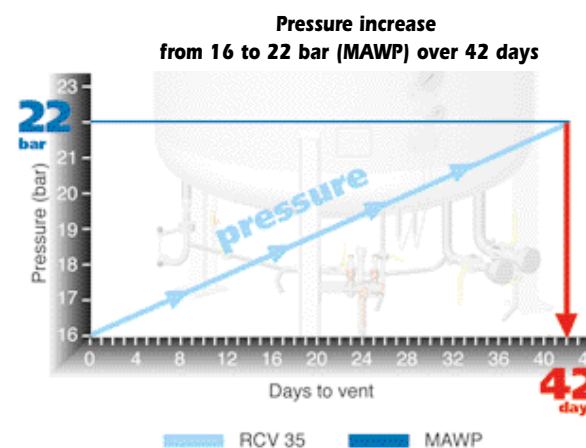
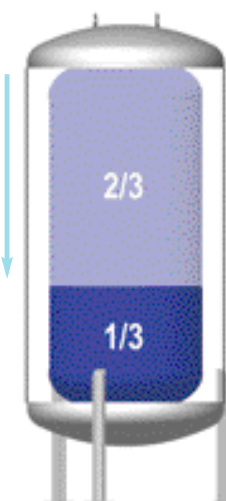
- **Easier accessibility:** the simplified piping system is ergonomically designed with fewer connections for ease-of-access.
- **Spare parts easily available** in stock from our in-house warehouse.

**OPTIMAL SAFETY**

- **RCI & RCV tanks** are equipped complete with high a performance safety system as standard including double relief valves to protect the inner vessel, and 2 outer vessels burst discs.
- **The support legs** are calculated for UBC Zone 3 to guarantee wind and earthquake-resistance.

**SUPERIOR PERFORMANCE**

The standard version allows 2/3 of the full capacity to be withdrawn in 7 hours with a pressure drop of only 3.5 bar.



**7 x more efficient than foam insulation, the superior performance of the insulation guarantees an excellent autonomy: it takes 42 days for the pressure to increase from 16 to 22 bar !**

**CE** CELINE 3 complies with European Directive PED 97/23/CE and AD2000-M / EN 13458