

**LOX  
optimised**



# **CLAIRE 3**

**SR 23 000, 26 000 and 29 000 – 3 bar  
Semi-trailers optimised for liquid Oxygen**



# CLAIRE 3

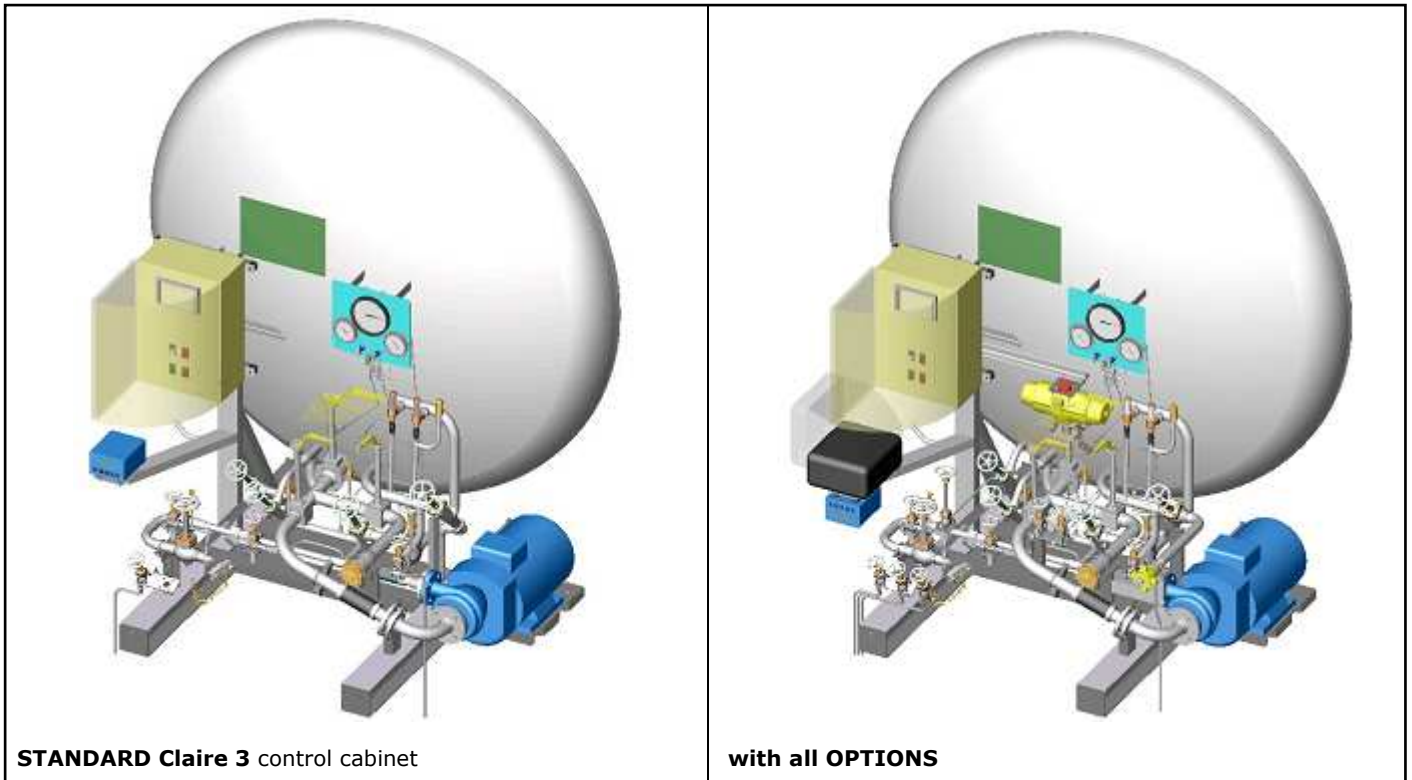


## SR LOX – 3 bar

Cryolors 50-year experience in the design and manufacture of cryogenic tanker trailers has allowed us to further improve upon our tried and tested design with CLAIRE 3 : simply the best cryogenic semi-trailer on the market today. The Claire 3 offers the largest payload in its category with unbeatable stability and overall dimensions.

With a Maximum Allowable Working Pressure of **3 bar**, semi-trailer Claire 3 is built in accordance with the European Pressure Directive TPED 99/36/CE and ADR/EN 13530 for the transport of liquid nitrogen, oxygen or argon.

- **Highest payload to tare weight ratio of its type in the industry.**
- **The widest range of standard options:** The innovative modular piping system is designed and manufactured using standard, pre-assembled modules. The Claire 3 is the first standard tanker trailer that can easily be "customised" to your specific requirements.
- **Improved safety:** The Claire 3 offers the lowest centre of gravity in the market, further improving stability and guaranteeing excellent road handling capabilities.
- **A maximum use of Stainless steel** ensures a longer, trouble-free life cycle with lower operational costs. All valves, interconnecting piping, the rear head of outer vessel and all welded connections are stainless steel.
- **Components selected for their operational reliability:** cryogenic pumps and undercarriages supplied by the leading manufacturers.
- **Reduced overall operational costs** - proven insulation system and paint techniques, optimized pipework layout with fewer connections minimize potential leaks and facilitate operation & servicing for years of care-free operation.



<b>General Data</b>	<b>SR23</b>	<b>SR26</b>	<b>SR29</b>	
Weight of semi-trailer loaded	33 000	36 732	40 345	Kg
Empty weight of semi-trailer	8 250	8 500	8 800	Kg *
Payload	24 750	28 232	31 545	Kg **
Semi-trailer water volume	22 735	25 928	28 467	liters
Transportable LOX volume (density 1,121)	22 076	25 181	27 647	liters
Minimum gaseous phase at 1 ata (LOX)	2	2	2	%
Weight loaded under king-pin	9 000	10 560	16 465	Kg
Weight loaded under running gear	24 000	26 172	23 880	Kg
Max. working pressure	3	3	3	bar
Daily evaporation rate in LOX	0,19	0,19	0,19	%

\* ± 150 Kg

\*\* Actual payload depends on the local road regulations in the country of registration and type of prime mover