

LAR  
Optimised



# CLAIRE 3

**SR 20 000 et 23 000 – 3 bar**  
**Semi-trailers optimised for liquid Argon**



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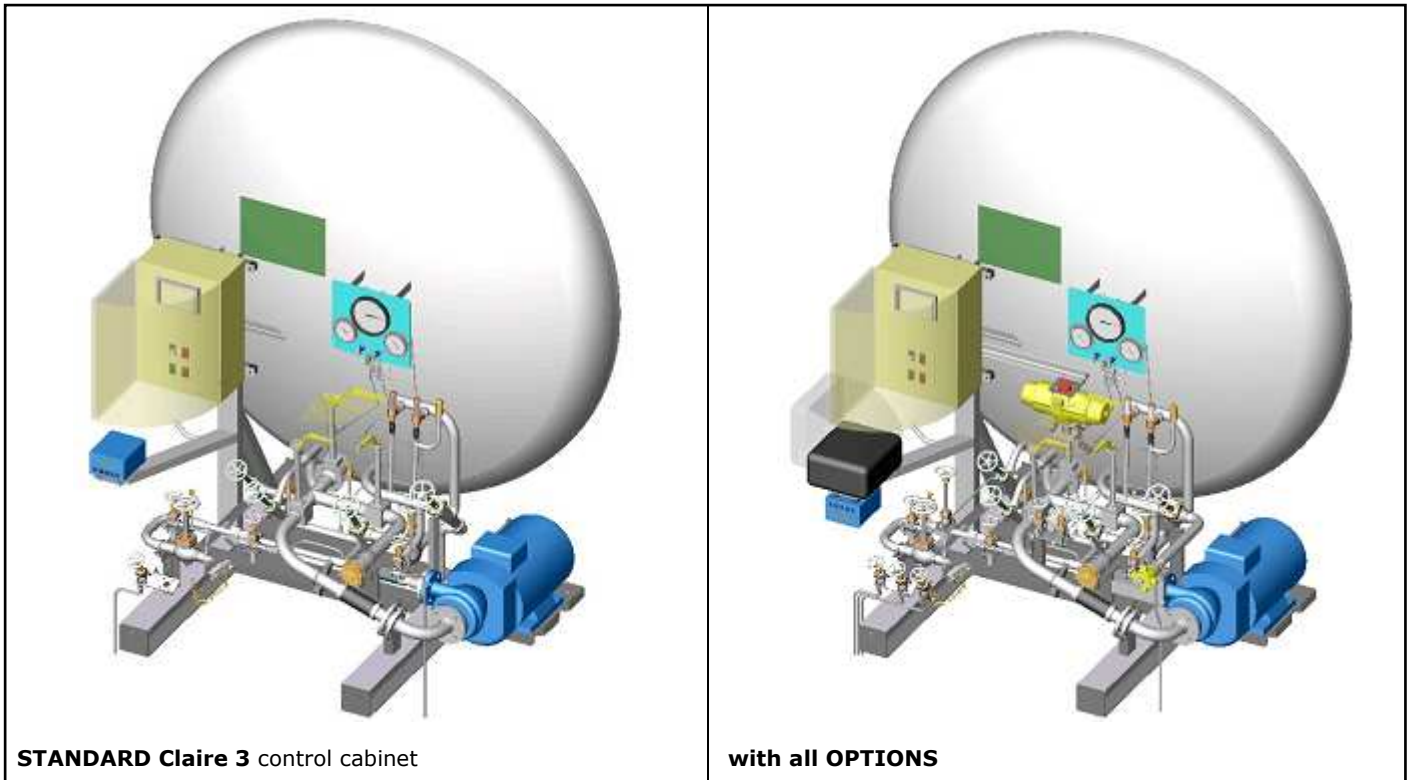


## SR LAR – 3 bar

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.



General Data	SR20	SR23	
Weight of semi-trailer loaded	33 672	36 022	Kg
Empty weight of semi-trailer	7 650	8 250	Kg *
Payload	26 022	27 772	Kg **
Semi-trailer water volume	19 577	22 748	liters
Transportable LAR volume (density 1,369)	19 012	20 290	liters
Minimum gaseous phase at 1 ata (LAR)	2	10	%
Weight loaded under king-pin	9 797	9 846	Kg
Weight loaded under running gear	23 875	26 176	Kg
Max. working pressure	3	3	bar
Daily evaporation rate in LAR	0,20	0,20	%

\* ± 150 Kg

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