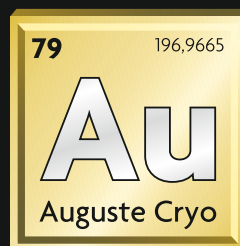
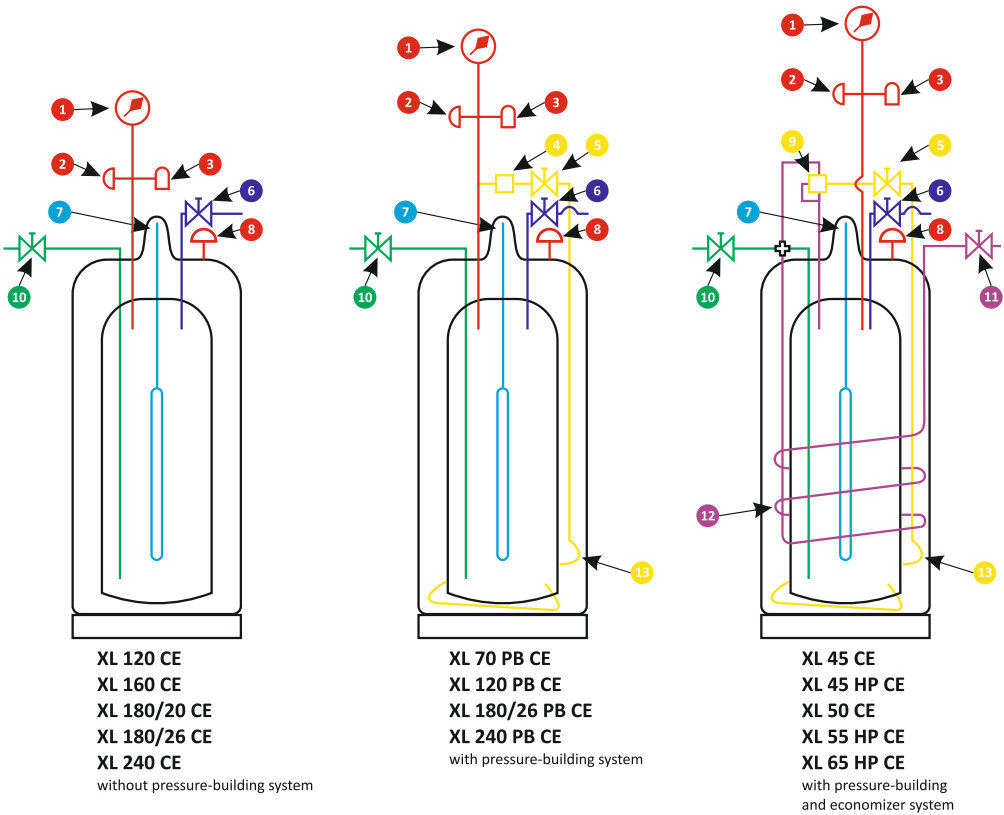


# Auguste Cryogenics Liquid Cylinders



**Auguste  
Cryogenics**

# Liquid Cylinders



- Safety
- Venting
- Liquid withdrawal
- Liquid level
- Pressure building
- Vaporizer and gas withdrawal

- 1 Pressure gauge
- 2 Inner bursting disk
- 3 Pressure relief valve
- 4 Pressure building regulator
- 5 Pressure building valve
- 6 Vent valve
- 7 Liquid level gauge
- 8 Outer bursting disk
- 9 Dual regulator
- 10 Fill and withdrawal valve
- 11 Gas withdrawal valve
- 12 Vaporizer
- 13 Pressure building coil

Storage and transport cylinders for liquefied gas represent import components of the Auguste Cryogenics product portfolio. These pressure vessels are manufactured to the design and specification that has been developed and enhanced by Auguste Cryogenics. The trusted products have been successfully operating throughout Europe and all over the world for decades.

The inner and outer vessel are constructed of top grade stainless steel with super insulation and protected by high integrity vacuum. All cylinders comply with the European Directive 2010/35/EU for transportable pressure equipment (TPED).

## XL 70 to XL 240

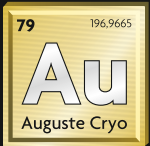
These cylinders are transportable units, designed and built to rugged construction standards that are intended to be carried full. They are engineered for either low-pressure applications of cryogenic filling and liquid dispensing or high-pressure gas distribution. All units feature quick and easy liquid withdrawal.

## XL 45 to XL 65

This series of road-transportable cylinders feature an automatic pressure-building circuit. There is also an integrated economizer circuit that helps reduce and control overflow gas consumption. All designed to help conserve gas during low demand periods and build up pressure quickly for peak demand.

**The Auguste Cryogenic XL series is the GOLD standard for industrial gas liquid cylinder performance.**

Inner and outer vessel	Stainless steel
Insulation	Multilayer super insulation and high quality vacuum
Approval	TPED 2010/35/EU
Safety valve set to   Max. allowed working pressure (MAWP)	1.5   10 bar for <b>N<sub>2</sub></b> , <b>O<sub>2</sub></b> , Ar 15.9   15.9 bar for <b>N<sub>2</sub></b> , <b>O<sub>2</sub></b> , Ar 24   24 bar for <b>N<sub>2</sub></b> , <b>O<sub>2</sub></b> , Ar, CO <sub>2</sub> and N <sub>2</sub> O
End fittings	CGA 295 for N <sub>2</sub> , Ar, CO <sub>2</sub> and N <sub>2</sub> O   CGA 540 for O <sub>2</sub>



**Auguste  
Cryogenics**

*Building the GOLD standard of service and quality in cryogenic storage equipment.*



Model	XL-70 PB CE	XL-120 CE	XL-120 PB CE	XL-160 CE	XL-180/20 CE	XL-180/26 CE	XL-180/26 PB CE	XL-240 CE	XL-240 PB CE
Gross capacity (l)	70	126	126	163	186	189	189	250	250
Net capacity (l)	67	120	120	160	180	181	181	240	240
Work. pressure std.   max. (bar)	1.5   10	1.5   10	1.5   10	1.5   10	1.5   10	1.5   10	1.5   10	1.5   10	1.5   10
Evaporation rate <sup>(1)</sup> (N <sub>2</sub> /%/day)	3.5	2.3	2.4	1.5	1.3	1.3	1.3	1.4	1.4
Liquid withdrawal rate (l/min)	6	6	6	6	6	15	15	20	20
Weight empty (kg)	71	82	82	104	115	116	116	137	137
Weight filled w. N <sub>2</sub> (kg)	125	179	179	234	260	263	263	332	332
Height (mm)	1115	1350	1350	1464	1635	1280	1280	1510	1510
Diameter (mm)	508	508	508	508	508	660	660	660	660
Castors <sup>(2)</sup>	4	5	5	–	–	5	5	5	5
Auto. pressure building avail.	yes	no	yes	no	no	no	yes	no	yes

Model	XL-45 CE	XL-45 HP CE	XL-50 CE	XL-55 HP CE	XL-65 HP CE
Gross capacity (l)	180	176	188	208	247
Net capacity (l)	169	165	176	198	240
Work. pressure std.   max. (bar)	15.9   15.9	24   24	15.9   15.9	24   24	24   24
Evaporation rate <sup>(1)</sup> (O <sub>2</sub> /%/day)	1.2	1.4	1.1	1.2	1.5
Gas withdrawal rate (N <sub>2</sub> /m <sup>3</sup> /h)	9.2	9.2	9.2	9.2	9.2
Weight empty (kg)	133	151	139	164	201
Weight filled w. N <sub>2</sub> (kg)	269	284	281	324	395
Height (mm)	1562	1559	1614	1764	1476
Diameter (mm)	508	508	508	508	660
Castors <sup>(2)</sup>	–	–	–	–	5

<sup>(1)</sup> Vented NER, based on useable liquid capacity | <sup>(2)</sup> Non-magnetic casters for MRT applications available upon request | <sup>(3)</sup> Prices are net prices, EXW Husum (DE)  
We can also deliver larger storage tanks for the supply of nitrogen to a multiple installation | We reserve the right to modify prices without prior notice



Accessory   Part Number
Trolley (for vessels without castors)
Transfer hose 1,2m for N <sub>2</sub> service   1700-9C65W
Transfer hose 1,8m for N <sub>2</sub> service   1600-9C66W
Phase separator   1193-8C80
Square base (for vessels with castors)

C-Stic electronic liquid level gauges
C-Stic Classic
C-Stic SGB
C-Stic VGB

Packing options
Packing 1 (for vessels with castors) (wooden pallet, cushioning ring, plastic foil wrapping and cardboard layer)
Packing 2 (for vessels without castors) (pallet with strengthened cardboard box)

<sup>(3)</sup> Prices are net prices, EXW Husum (DE) | <sup>(4)</sup> Packaging prices are not discountable

Continuity. Reliability. Quality. We are Auguste Cryogenics.

# Auguste Cryogenics Liquid Cylinders

In 2016 **Auguste Cryogenics** acquired the European Operations of Taylor-Wharton International. Our production plant in Košice, Slovakia and the distribution center in Husum, Germany have influenced the European cryogenic industry continuously for more than 50 years. We carry the tradition of the people, practices and intellectual property for which the company has been built while investing in innovative solutions for tomorrow.

**Auguste Cryogenics** produces an extensive line of cryogenic storage equipment for mobile and stationary applications for the energy, medical and industrial markets. The energy portfolio ranges from LNG solutions to liquid hydrogen delivery systems. With our healthcare product line we can support the full range of applications from hospital oxygen supply to cryogenic tissue preservation. Auguste's industrial pressure vessels are used for every technical gas purpose imaginable. These vacuum insulated storage tanks are engineered to the limits of what is technically feasible.

GOLD standard vacuum technology is at the core of every vessel produced by **Auguste Cryogenics**. Our principle of complete thermal performance drives both inner and outer vessel design and material construction. You can't cheat the heat but we don't let it in.

See for yourself that we are building the GOLD standard in cryogenic storage equipment every day.

Visit our website at  
**[www.augustecryogenics.com](http://www.augustecryogenics.com)**

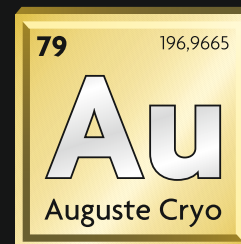


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# Auguste Cryogenics