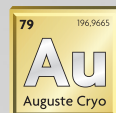


AC Liquid Cylinders



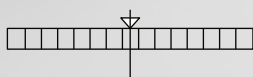
**Auguste
Cryogenics**

PRODUCT

**Auguste Cryogenics
Liquid Cylinders**



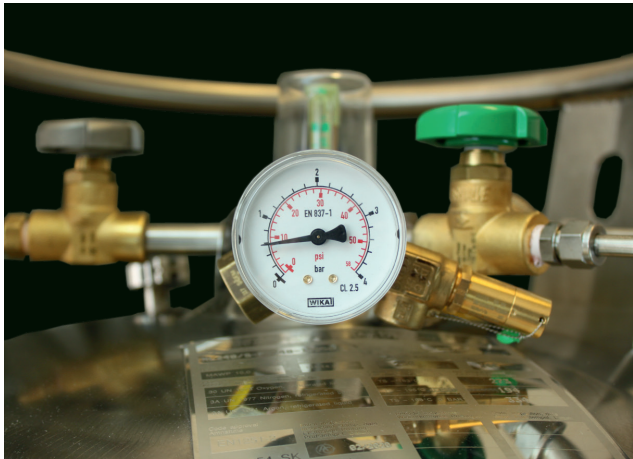
More Information | www.augustecryogenics.com



LIQUID CYLINDERS BY AUGUSTE CRYOGENICS

Our AC line of liquid cylinders for the storage and transport of liquefied gas represents important components of the Auguste Cryogenics product portfolio.

These transportable pressure vessels are manufactured to a highly sophisticated design and specification developed by Auguste Cryogenics. The trusted products have been successfully operating throughout Europe and all over the world over the test of time. 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).



General Specifications



Variations

Low pressure liquid cylinders

These cylinders are transportable units, designed and built to rugged construction standards that are intended to be carried full of product. These vessels are available with or without a built-in pressure building coil. All units feature quick and easy liquid withdrawal.

Medium & high pressure liquid cylinders

Each vessel in this series of road-transportable cylinders features a pressure-building circuit. There is also an integrated economizer circuit that helps reduce and control overflow gas consumption. The optimized design helps to conserve boil off gas during low demand periods and build up pressure quickly for peak demand.



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)

C-Stic electronic liquid level gauges

C-Stic Classic

C-Stic SGB

C-Stic VGB

Accessory / Part number

Trolley (for vessels without castors)

Transfer hose 1,2m for N2 service | 1700-9C65W

Transfer hose 1,8m for N2 service | 1600-9C66W

Phase separator | 1193-8C80

Square base (for vessels with castors)

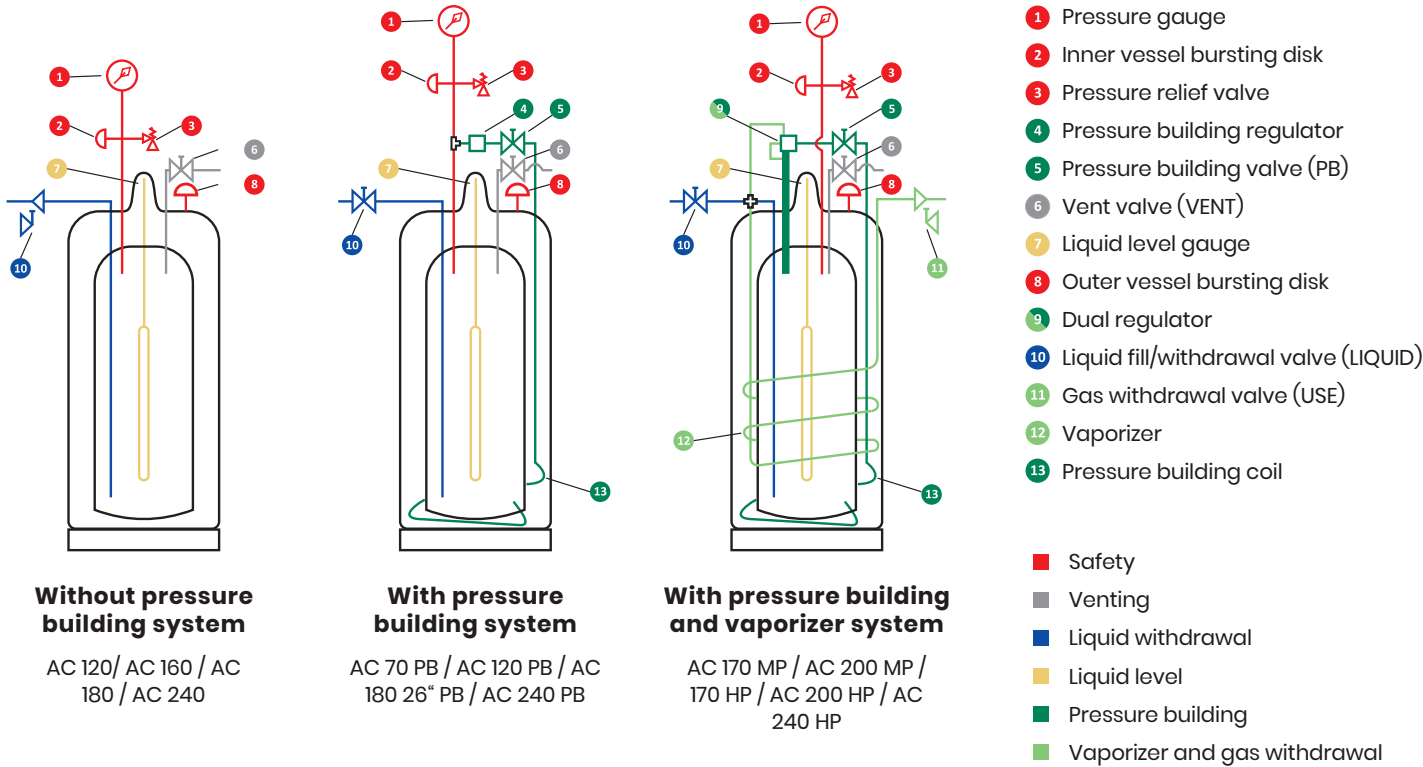
TECHNICAL DATA OF LIQUID CYLINDERS

OUTER VESSEL	Stainless steel
INNER VESSEL	Stainless steel
APPROVAL	ADR, TPED 2010/35/EU
INSULATION	Multilayer Super Insulation and high quality vacuum
END FITTINGS	CGA 295 for N ₂ , Ar, CO ₂ and N ₂ O / CGA 540 for O ₂



MODEL	AC 70 PB	AC 120	AC 120 PB	AC 160	AC 180	AC 180 26"	AC 180 26" PB	AC 240	AC 240 PB	AC 170 MP	AC 200 MP	AC 170 HP	AC 200 HP	AC 240 HP
Gross capacity (l)	73	126	126	168	186	190	190	252	252	179	211	179	211	253
Net capacity (l)	70	120	120	160	180	180	180	240	240	170	200	170	200	240
Work. pressure std. I 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	15.9 / 15.9	15.9 / 15.9	24.0 / 24.0	24.0 / 24.0	24.0 / 24.0
Evaporation rate (l) (N ₂ /%/day)	3.5	2.3	2.4	1.5	1.3	1.3	1.3	1.4	1.4	1.2	1.2	1.4	1.2	1.5
Liquid withdrawal rate (l/min)	6	6	6	6	6	15	15	20	20	9.2	9.2	9.2	9.2	9.2
Weight empty (kg)	73	105	105	121	137	121	122	144	146	145	150	160	175	190
Weight filled w. N ₂ (kg)	129	202	202	250	282	266	267	338	340	282	295	307	335	379
Height (mm)	1080	1430	1430	1640	1780	1350	1350	1535	1535	1720	1840	1720	1980	1545
Diameter (mm)	508	508	508	508	508	660	660	660	660	508	508	508	508	660
Castors (2)	4	4	5	–	–	5	5	5	5	–	–	–	–	–
Auto. pressure building	set 1 bar	no	set 1 bar	no	no	no	set 1 bar	no	set 1 bar	set 8.6 bar	set 8.6 bar	set 20.0 bar	set 20.0 bar	set 20.0 bar

(1) Vented NER, based on useable liquid capacity | (2) Non-magnetic casters for MRT applications available upon request 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



MANUFACTURED ON EUROPEAN SOIL FOR A GLOBAL MARKETPLACE

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.

Certifications:



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.



Union Carbide (Auguste Cryogenic predecessor) first manufactured the liquid cylinder product in Husum, Germany as early as 1956.



Our 22,000m2 production facility is ISO:9001 certified
and in compliance with the European Pressure Equipment Directive 2014/68/EU (PED) and TPED 2010/35/EU

GOLD standard vacuum technology is at the core of every vessel produced by Auguste Cryogenics.

50+ years
IN EUROPEAN
CRYOGENIC INDUSTRY

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.



Auguste Cryogenics is an internationally renowned manufacturer of pressure vessels and containers for cryogenic, liquefied gases. Since 1965 our European operations has designed and hand crafted these products for the global market.

With our manufacturing facility in Košice, Slovakia and distribution center in Husum, Germany, Auguste Cryogenics has continuously shaped the worldwide cryogenics industry and continues the tradition of practices and intellectual property for which the company was built. At the same time, we take pride in investing in our employees and in innovative solutions for tomorrow.

001



Bulk tanks

Vertical and horizontal bulk tanks from 2,000 to 250,000 litres capacity for use in industry (LIN, LOX, LAR, LCO₂, LN₂O) and in the energy sector (LNG, LH₂).

002



MicroBulk

Stationary and transportable microBulk tanks from 750 to 5,000 litres capacity.

003



Liquid cylinders

Liquid cylinders with capacities from 70 to 240 litres for different operating pressures.

004



Cryobiological freezers

Stainless steel cryobiological freezers for the safe and economical long-term storage of larger sample quantities.

005



Aluminum Dewars

Aluminum Dewars from 2 to 175 litre capacity for storage and safe transport of sample material in liquid nitrogen.

006



Special vessels

Specially engineered vessels for a large variety of purposes, designed and built to the needs and demands of our clients.

CONTACTS

We can provide you with a solution for every aspect of your cryogenic liquefied gas storage needs - please do not hesitate to contact the specialists in our sales team.

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