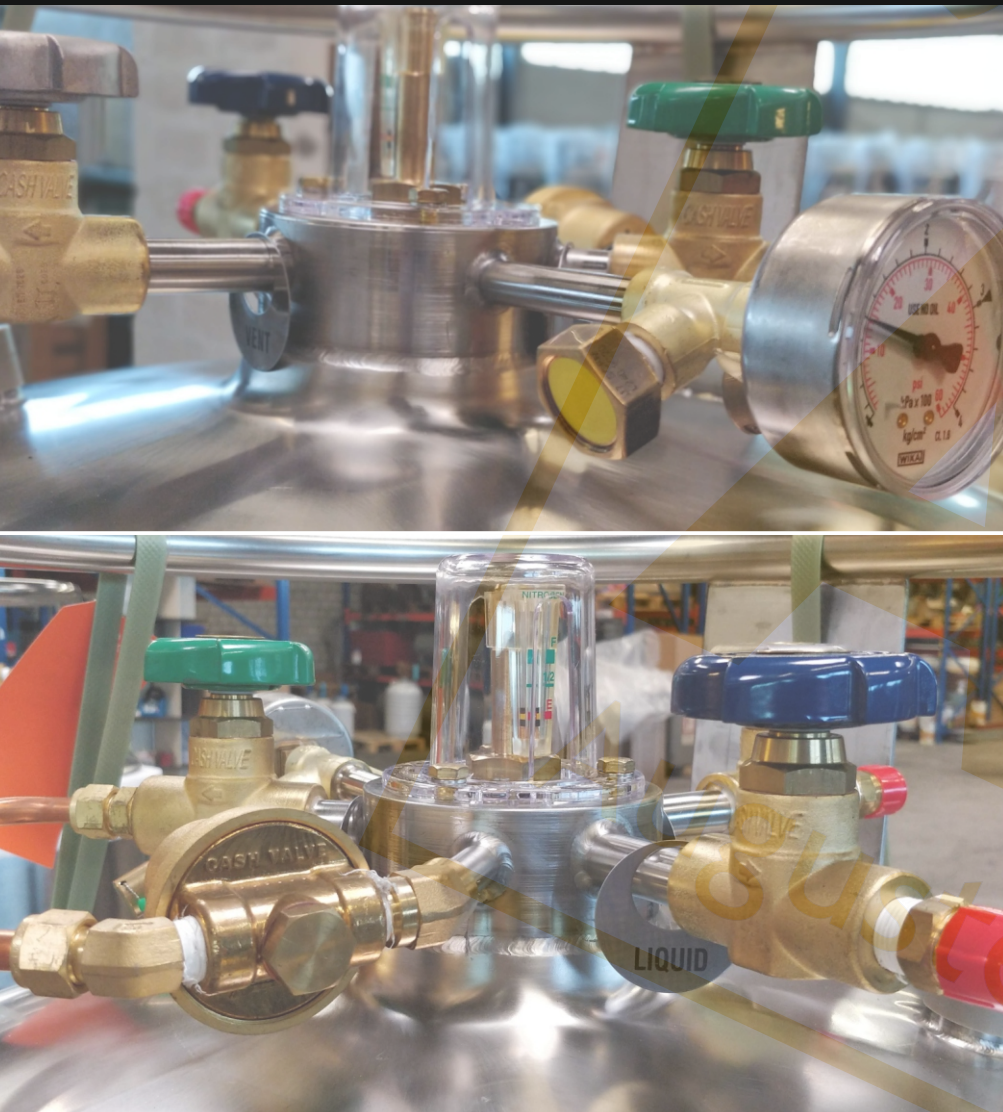
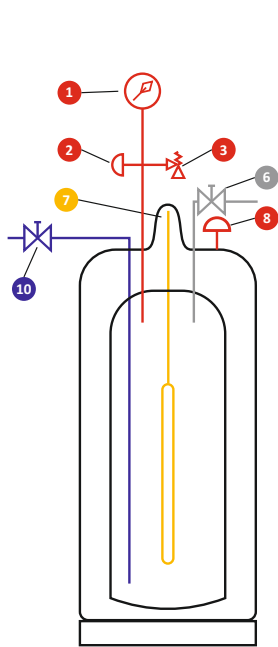


# Auguste Cryogenics Liquid Cylinders



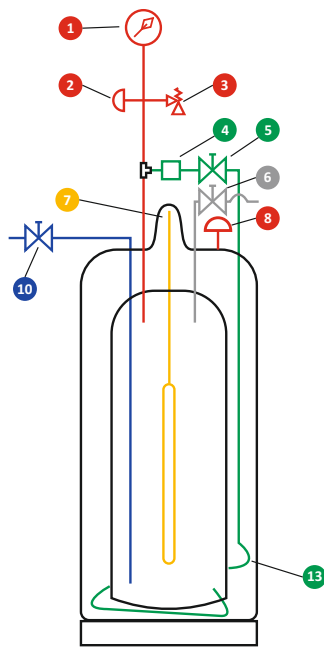
# Auguste Cryogenics

# AC line Liquid Cylinders



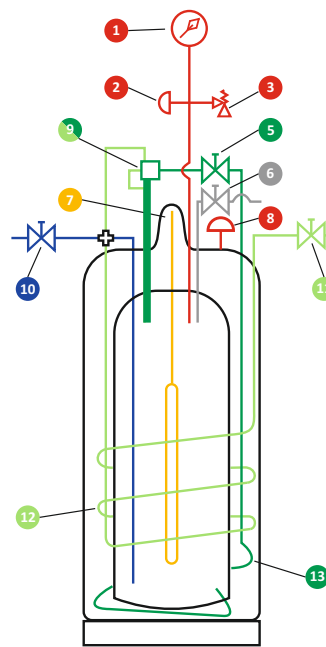
AC 120  
AC 160  
AC 180  
AC 240

without pressure building system



AC 70 PB  
AC 120 PB  
AC 180 26" PB  
AC 240 PB

with pressure building system



AC 170 MP  
AC 200 MP  
AC 170 HP  
AC 200 HP  
AC 240 HP

with pressure building and vaporizer system

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

- 1 Pressure gauge
- 2 Inner vessel bursting disk
- 3 Pressure relief valve
- 4 Pressure building regulator
- 5 Pressure building valve (PB)
- 6 Vent valve (VENT)
- 7 Liquid level gauge
- 8 Outer vessel bursting disk
- 9 Dual regulator
- 10 Liquid fill/withdrawal valve (LIQUID)
- 11 Gas withdrawal valve (USE)
- 12 Vaporizer
- 13 Pressure building coil

Our AC line of liquid cylinders for the storage and transport of liquefied gas represent important components of the Auguste Cryogenics product portfolio. These transportable pressure vessels are manufactured to the a highly critical design and specification developed 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).

## Low pressure liquid cylinders

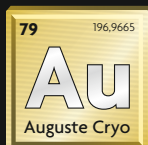
These cylinders are transportable units, designed and built to rugged construction standards that are intended to be carried full of product. These vessels are available with or without a built-in pressure building coil . All units feature quick and easy liquid withdrawal.

## Medium and 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.

**The Auguste Cryogenic AC line represents 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> , <b>Ar</b> 15.9   15.9 bar for <b>N<sub>2</sub></b> , <b>O<sub>2</sub></b> , <b>Ar</b> 24   24 bar for <b>N<sub>2</sub></b> , <b>O<sub>2</sub></b> , <b>Ar</b> , <b>CO<sub>2</sub></b> and <b>N<sub>2</sub>O</b>
End fittings	CGA 295 for <b>N<sub>2</sub></b> , <b>Ar</b> , <b>CO<sub>2</sub></b> and <b>N<sub>2</sub>O</b>   CGA 540 for <b>O<sub>2</sub></b>

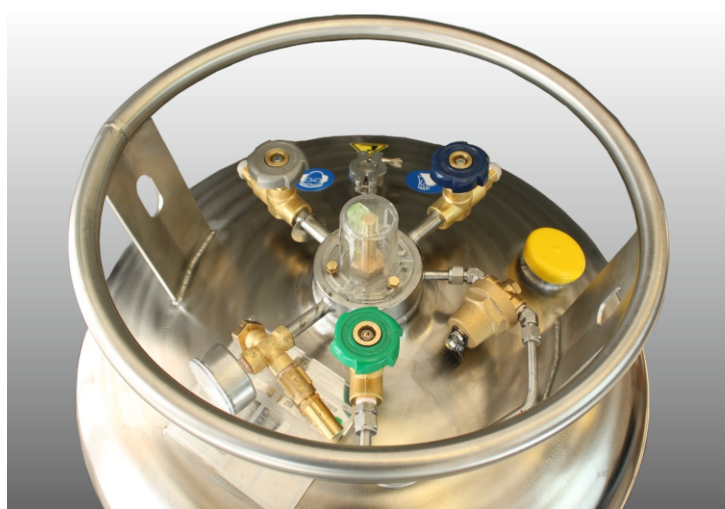


**Auguste  
Cryogenics**

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

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.   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 <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	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 <sub>2</sub> (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 <sup>(2)</sup>	4	5	5	–	–	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

<sup>(1)</sup> Vented NER, based on useable liquid capacity | <sup>(2)</sup> 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



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)

**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)**



## **Auguste Cryogenics Slovakia s.r.o.**

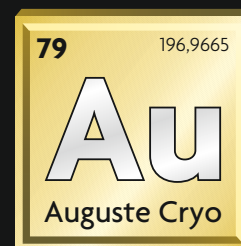
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# Auguste Cryogenics