Cryo Products

Do you have a question?

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Liquid cylinders for storage and transportation

Storage and transport cylinders for liquefied gases respresent important components of Taylor-Wharton Cryoscience Technology. The inner and outer vessels are made of stainless steel, and all vessels comply with the European Directive 1999/36/EC for transportable pressure equipment (TPED).

Series xl 70 to xl 240

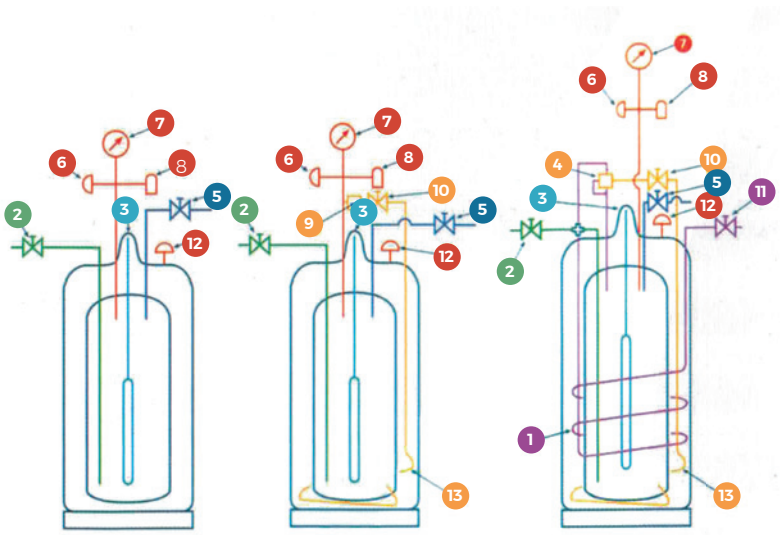
These cylinders are transportable units built to rugged construction standards. They are designed for the low-pressure requirements of liquid nitrogen filling, storing and dispensing and feature easy, quick liquid withdrawal.

series xl 45 to xl 65

These road-transportable cylinders feature automatic pressure-building and economizer circuits. Low-loss holding capabilities help conserve gas during low demand periods. These units set the standard for liquid cylinder performance in the gas industry.

Safety
Venting
Liquid withdrawal
Liquid level
Vaporizer ans gas withdrawal
Pressure building

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



XL 120 CE
XL 160 CE
XL 180/20 CE
XL 180/26 CE
XL 240 CE

without pressure-building system

XL 70 PB CE
XL 120 PB CE
XL 180/26 PB CE
XL 240 PB CE

with pressure-building (PB) system

XL 45 CE
XL 45 HP CE
XL 50 CE
XL 55 HP CE
XL 65 HP CE

with pressure-building and economizer system

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LOW PRESSURE VESSELS - SPECIFICATIONS

MODELS	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
Max. working pressure (bar)	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Evaporation rate[1] (N_2/%/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
Weignt, full N_2 (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
Casters [2]	5	5	5	-	-	5	5	5	5
Auto, pressure building	yes	no	yes	no	no	no	yes	no	yes
Part. No.	L070-0C03 TPED	L120-0C01 TPED	L120-0C03 TPED	L160-0C00 TPED	L180-0C00 TPED	L186-0C01 TPED	L186-0C03 TPED	L240-0C01 TPED	L240-0C03 TPED

HIGH PRESSURE VESSELS - SPECIFICATIONS

MODELS	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
Max. working pressure (bar)	15,9	24	15,9	24	24
Evaporation rate[1] (O_2/%/Day)	1,2	1,4	1,1	1,2	1,5
Gas withdrawal rate (N_2/m^3/h)	9,2	9,2	9,2	9,2	9,2
Weight, empty (kg)	133	151	139	164	201
Weignt, full N_2 kg (kg)	269	284	281	324	395
Height (mm)	1562	1559	1614	1764	1476
Diameter (mm)	508	508	508	508	660
Casters [2]	-	-	-	-	5
Part. No.	GL45-0C12 TPED	HP45-0C12 TPED	GL50-0C12 TPED	HP55-0C12 TPED	HP65-0C12 TPED

Taylor-Wharton

[1] Vented NER, based on usable 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

ACCESSORIES

Trolley	For XL 160, XL 180, XL 45, XL 50, XL 55
Withdrawal hose 1,2 m (N_2)	
Withdrawal hose 1,8 m (N_2)	
Phase separator	
Electronic level gauge	Information available upon request

TROLLEY

This special trolley makes it easy to pick up and transport cylinders.