

# **APOLLO**®

Your ideal storage and transport vessel for liquid nitrogen.











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# Components and flow chart.

# All Advantages at a Glance







Item No.: 70794111



Item No.: 77031520



Item No.: 78202417

. · compatible

Cryogenic mills

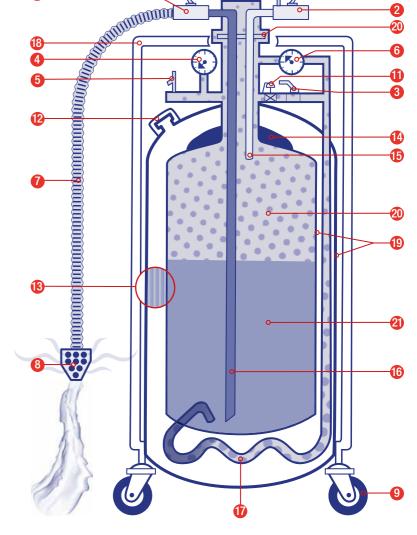
Freezers

Biobanks

■ BIOSAFE®

Cryogenic saunas

Analysers







- 6 Level indicator
- Decanting hose

- Vacuum sealing and safety valve
- Super insulation
- 4 Absorbents (long-term vacuum protection) and special getters
- 15 Exhaust and overflow line
- 6 Sampling line
- **17** Pressure build-up line
- (18) Chassis and protective frame
- 19 inner and outer vessels
- ② liquid nitrogen

Decanting valve 2 Exhaust and overflow valve **3** Pressure build-up valve 4 Pressure gauge (not gauges) Safety valve

8 Phase separator

9 Swivel castors

Pressure release regulator

Pressure build-up regulator

20 gaseous nitrogen

(f) (in) (D) (X) (M)

# **APOLLO®**

# Extensive range of accessories.

# **Standard equipment**

- Integrated safety device on the vessel neck
- Vacuum seal and safety device
- Smooth-running castors and transport protection frame

Economical. Easy-to-use. Secure.

- Level and pressure gauge
- EK lifter with exhaust and overflow valve
- Integrated pressure build-up
- Decanting hose (1.5 m) with phase separator
- Transport plug **1** with safety
- Cryogenic gloves 2 and safety glasses 3 with side protection





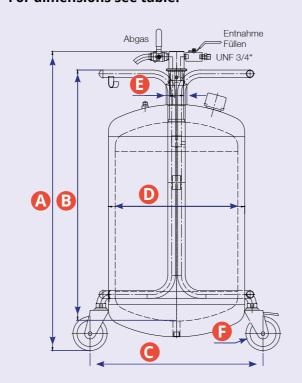




for a fixed connection of an APOLLO® urgently required!

# Our APOLLO® -Series is available with a capacity of 50 to 350 liters

### For dimensions see table.



# **Technical Data**



Vessel name		APOLLO® 50 1,3 bar	APOLLO® 100 1,3 bar	APOLLO® 150 1,3 bar	APOLLO® 200 2,0 bar	APOLLO® 350 2,0 bar
Vessel material		Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Approval mark		CE	CE	CE	CE0035	CE0035
Geometrical capacity	[l]	49,5	99,2	149,5	198,5	348
Operating overpressure max.	 [bar]	1,3	1,3	1,3	2,0	2,0
Weight, empty	[kg]	44	62	79	100	160
Weight, full LIN	[kg]	85	145	204	266	450
Stat. evaporation rate LIN	[%/day]	2	1,2	1	0,6	0,5
Total height 🛕	[cm]	80	114	146	117	165
Diameter, outer <b>D</b>	[cm]	50	50	50	70	70
Total width <b>©</b>	[cm]	65	65	65	80	80
Depth of immersion B	[mm]	58,5	92	122	91	135
Castor diameter <b>6</b>	[mm]	125	125	125	160	160
Neck diameter	[mm]	50	50	50	50	50
Siphon connection		KF 50	KF 50	KF 50	KF 50	KF 50

Upon request the APOLLO® series is also available for other types of gas.

### **Options**

- Pressure build-up regulator (Item No. 78202710)
- Pressure reduction regulator (Item No. 78203080)
- Double decanting liquid side (Item No. 79415416)
- Double decanting gas side (Item No. 78203081)
- Triple decanting liquid side (Item No. 79418082)
- Triple decanting gas side (Item No. 78203082)
- Safety spacer 4 (Item No. 78206124)
- · Level indicator, capacitive, battery
- Forklift pockets **7**
- Set of castors, antimagnetic

Further options available upon request.



# Accessories

6



# The digital display -

the capacitive level indicator for your APOLLO®

- Display and probe in one device
- Easy to use
- High precision



### Practical forklift pockets facilitate the handling of

Our APOLLO® series complies with the European Pressure Equipment Directive 2014/68 / EU

For USA, 1,5 bar:



# **Item Numbers**



APOLLO® liquid nitrogen vessel	50	100	150	200	350
with analog display 5	78202700	78202701	78202702	78202748	78202749
with digital display 6	78216837	78216836	78216838	78216839	78216840
ASME Stamp 1,5 bar 8	78221094	78220960	78221095	78221811	78221812
Options for APOLLO® line					
Forklift pockets 7	78203083	78203083	78203083	78203975	78203900
Set of castors, antimagnetic	78200474	78200474	78200474	78203992	78203992

<sup>\*)</sup> Further vessel dimensions and custom vessels available upon request.









## Cryotherm GmbH & Co. KG

Euteneuen 4

D-57548 Kirchen/Sieg, Germany Telephone: ++49 27 41 / 95 85-0

Fax: ++49 27 41 / 69 00 E-mail: info@cryotherm.de



Your local contact person:



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