

# The APOLLO®-Series



Reliability  
we can be  
proud of

Storage and transport vessel for cryogenic liquid nitrogen.  
With vacuum super-insulation and long-term vacuum protection.  
Approved according to European Pressure Equipment Directive PED.  
Transport in unpressurised condition with inserted transport plug.

## Standard Features:

- integrated safety device at the vessel neck
- vacuum seal-off and safety device
- smooth-running, sturdy castors and transport frame
- pressure indicator
- level indicator
- EK-siphon with exhaust and overflow valve
- integrated pressure build-up
- decanting hose (1.5 m) with phase separator
- transport plug
- cold-protection gloves and safety glasses with side protection

## Convincing advantages:

- efficient exhaust cooling system
- low evaporation rate (only 0.6%/day with APOLLO® 200)
- robust transport frame
- compact dimensions
- integrated vacuum seal-off and safety device
- long-term vacuum protection by means of high-grade adsorption and getter materials
- optimised super-insulation by means of multi-layered vacuum insulation and computer optimised thermodynamic construction
- inner and outer vessels tested separately by helium leak test
- robust construction made of highly corrosion-resistant cryogenic stainless steel
- smooth-running, sturdy castors
- low maintenance requirements
- wide range of accessories

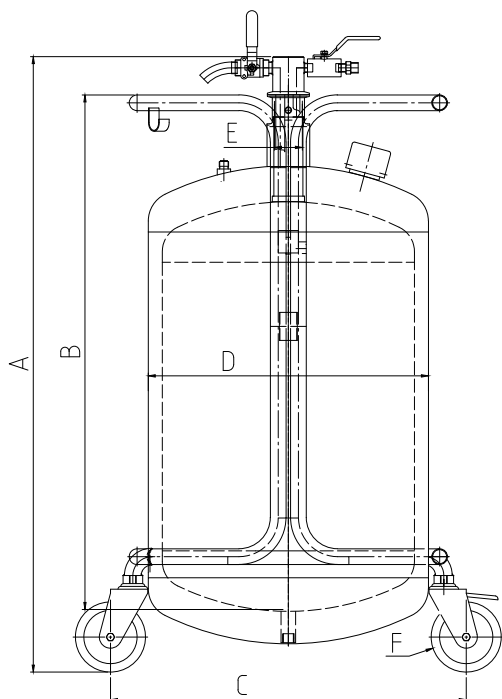
# Rapid cold at the point of use



## Options:

- pressure build-up regulator
- pressure reduction regulator
- double extraction liquid side
- double extraction gas side
- triple extraction liquid side
- triple extraction gas side
- level indicator, capacitive, battery
- level indicator, capacitive, 4-20 mA
- forklift pockets
- set of castors anti-magnetic
- cryo-protective equipment, full set

Further special options on request



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	A [cm]	80	114	146	117	165
diameter outer	D [cm]	50	50	50	70	70
total width	C [cm]	65	65	65	80	80
depth of immersion	B [mm]	58.5	92	122	91	135
castor diameter	F [mm]	125	125	125	160	160
neck diameter	E [mm]	50	50	50	50	50
siphon connection		KF 50	KF 50	KF 50	KF 50	KF 50
article-no. LIN		78202700	78202701	78202702	78202748	78202749
article-no. LAR		78202700/AR	78202701/AR	-	-	-
article-no. LOX		78200520	78202701/02	78202702/02	-	-

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