Cryotherm®

The HELIOS® Series

Efficiency coupled with minimum evaporation rates

The vacuum super-insulated vessels of the HELIOS® Series are used for the storage of cryogenic, liquefied helium. Thanks to their robust design, first-class material selection and perfect manufacture, the HELIOS® vessels ensure the lowest evaporation rate currently available on the market.

The welded construction made of non-magnetic, highly corrosion-resistant stainless steel/aluminium is one of the quality features of these cryogenic systems that are subject to continuous quality controls in all manufacturing stages.

Cryotherm®

HELIOS® containers

Technical data			
	HELIOS® 50A	HELIOS® 100A	HELIOS® 100
Vessel material	Aluminium	Aluminium	Stainless Steel
Approval mark	CE	CE	CE
Geometric capacity [l]	52	103	103
Operating gauge pressure [bar]	1.0	1.0	1.0
Weight empty [kg]	46	74	125
Weight full [kg]	52	86	137
Static evaporation rate [%/d]	1.3	0.9	0.9
Total height [mm]	1,150	1,210	1,325
Total width [mm]	550	700	700
Diameter of castors [mm]	100	125	125
Neck diameter [mm]	32	32	32
Decanting head connection	KF 32	KF 32	KF 32
Article number	0791183	0791185	0791184

Heads	
Item	Item No.
Safety head HESA DN 32 with O-ring-fitting Ø 12 • Exhaust ball valve with joint KF 25 • Safety neck tube • KF 32 centering ring and clamp • Safety valve 1 bar, type-approved down to -269° C	79245234
Safety head HESA DN 32 with O-ring-fitting KF 25 • Exhaust ball valve with joint KF 25 • Safety neck tube • KF 32 centering ring and clamp • Safety valve 1 bar, type-approved down to -269 °C	78200727

Accessory	
Item	Item No.
O-ring-fitting 9,6 mm / KF 25*	78400730
O-ring-fitting 10,0 mm / KF 25*	78204513
O-ring-fitting 12,0 mm / KF 25*	79251340
O-ring-fitting 12,7 mm / KF 25*	79243594
O-ring-fitting 16,0 mm / KF 25*	79402556
Clamp KF 25	79405158
Centering ring with o-ring (KF 25)	0647981
Hose nozzle with KF 25 for pressure build-up	79243595
PVC hose for pressure build-up	0121055
Hose clamp	0121054
Level probe, rod 12 mm	78200943
Level probe KF 32 intermediate piece	79248661
Digital level meter	78200194

* only in conjunction with safety bonnet 78200727

We gladly manufacture your container with tailor-made dimensions to your specific requirements up to a volume of 10,000 litres.
Please do not hesitate to contact us.

Contact

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