



Technical data sheet for Dewar vessel out of Aluminium type ALU-CD



ALU - CD 25 with transfer siphon



ALU - CD 12 with handle

Area of application

- for liquid nitrogen (LN2)
- pressure-less space for coolants
- Laboratory technique
- medicinal technique
- Biotechnology
- storing and transport

Features of performance

- reliably and economically
- Low own weight
- Dewar flasks according to ADR 2011
- nominal capacity from 12 to 60 litres

Description of Aluminium Dewar vessel

Types and accessories

- double wall, vacuum insulated aluminium vessel
- multi-layer superinsolation in the vacuum space
- side grips or handle
- Loose lied-on plug
- vessel with KF NW 50 for a LN2- siphon

Temperature range

- LN2 -196°C

Pressure range

- Press less or up to max. 0,5 bar

KGW - ISOTHERM

Karlsruher Glastechnisches Werk
76185 Karlsruhe Gablonzerstraße 6
Tel:0721 95897-0 Fax: 0721 95897-77
E-Mail: info@KGW-ISOTHERM.COM
Internet: www.KGW-ISOTHERM.COM



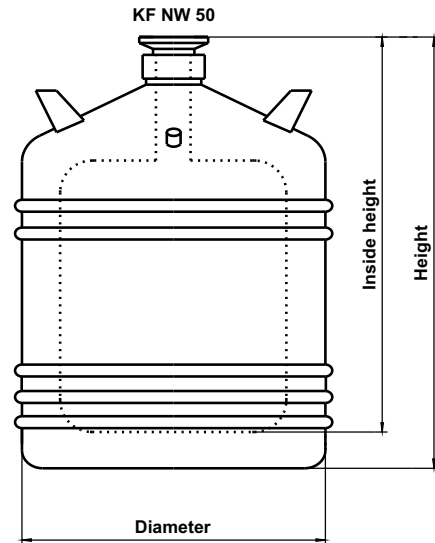
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Safety advises and regulations

- always wear protective glasses and protective gloves
- national regulations for laboratories
- company- internal regulations
- safety regulations for handling with liquid gases
- ADR regulations

Evaporation rate

Daily evaporation and static holding time were determined at 20°C, 1013 mbar, container stationary, lid closed and without transfer siphon. These are nominal values that may change depending on the age and use of the container.



Measurements and order data

Typ ALU-CD		12	25	35	50	60
Art. No.		2701	2702	2703	2704	2705
Capacity	(l)	12,5	25	35	50	60
Max. operating overpressure	(bar)	0,5	0,5	0,5	0,5	0,5
Weight empty	(kg)	8,1	10	13	17	20
Weight full	(kg)	18,1	31	41,5	57,5	68,5
Overall height	(mm)	600	684	591	675	865
Diameter	(mm)	310	395	480	500	486
Inside height	(mm)	526	611	526	605	800
Evaporation rate static	(L / day)	0,2	0,25	0,3	0,3	0,4
Roller base Art. No.			2640-CD	2641-CD	2642-CD	2641-CD

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Accessories

Transfer siphon incl. safety valve, manometer, pressure reduction valve made of stainless steel and fluid valve made of stainless steel	Art.No. 2611
Transfer hose made of stainless steel	Art.No. 2612
Transfer tube with phase separator	Art.No. 2613
Screw coupling with tube fitting for pipe joint (D.a.=8 mm)	Art.No. 2614
Screw adapter	Art.No. 2615
Clamp and O-ring with centering	Art.No. 2618+2619