



# Technical data sheet for Dewar vessel out of Aluminium type ALU



ALU 26 with

EKI - transfer siphon  
and transfer tube



## Area of application

- for liquid nitrogen (LN<sub>2</sub>)
- 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 7 to 100 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 LN<sub>2</sub>- siphon

### Temperature range

- LN<sub>2</sub> -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



# Technical data sheet for Dewar vessel out of Aluminium type ALU

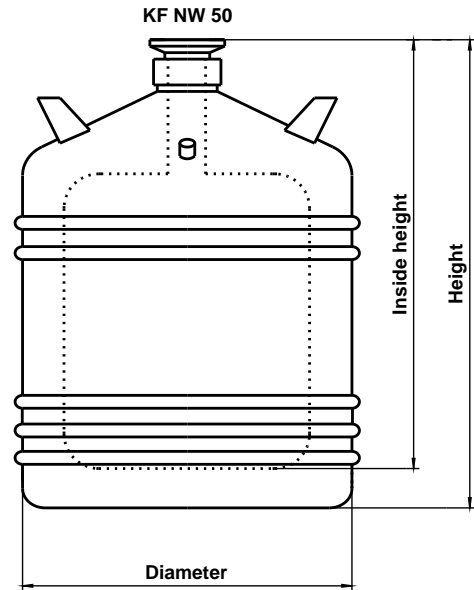
## Safety advises and regulations

- 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		10	20	26	35	60	100
Art. No.		2516	2517	2518	2519	2521	2522
Capacity	(l)	12	21	26	34	60	99
Max. operating overpressure	(bar)	0,5	0,5	0,5	0,5	0,5	0,5
Weight empty	(kg)	7,5	11	13,5	16	21,5	29,5
Weight full	(kg)	17,5	28,5	34,5	43	70	110
Overall height	(mm)	584	605	670	655	870	986
Diameter	(mm)	308	388	388	468	468	510
Evaporation rate static	(L / day)	0,2	0,18	0,2	0,24	0,4	0,55
Static holding time (days)		67	119	130	140	150	180
Roller base Art. No.			2640	2640	2641	2641	2642



LN2-siphon  
Type EKI



## 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