



Technical data sheet for large insulating Dewar flasks boxed-shaped, type 131-135

Area of application

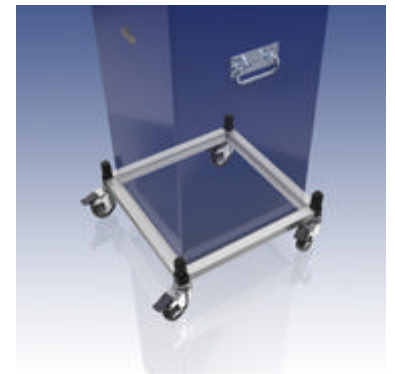
- laboratory technique
- medicinal technique
- Biotechnology
- Storing of CO₂
- liquid nitrogen or solid media and solid matters
- Pressure-less space for coolants



Dewar flasks type 131 - 135

Features of performance

- reliably and economically
- Dewar flasks according to DIN 12492
- glass material according to ISO 3585
- nominal capacity from 10 to 40 litres
- protective casing out of blue-coated metal



Dewar flasks type 131 - 135 with roller base

Description of complete flasks

Types and accessories

- blue-coated protective casing out of metal
- side grips
- lid made of metal, blue coated with insulating disc
- lid with over pressure valve
- lockable lid

Temperature ranges

- glass refill from -200°C to +150°C
- lid to +80°C
- casing with mounting rubber from -10°C to +60°C

Pressure range

- pressure - less

Description of glass Dewar flask

Material

- borosilicate glass 3.3 ISO 3585

Chemical characteristics

- hydrolytic resistance: according to ISO 719 (98°C)
- hydrolytic resistance: according to ISO 720 (121°C)
- acid resistance: according to ISO 1776
- alkaline resistance: according to ISO 695-A2

Physical characteristics

- linear expansion coefficient: $3,3 \times 10^{-6}$ 1/K (in between 20-300°C)
- density: 2,23 g/cm³
- specific thermal capacity: 910 J/kg K
- transformation temperature: 525°C

Vacuum

- $> 5 \times 10^{-6}$ mbar

Silvering

- fully silvered

KGW - ISOTHERM

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



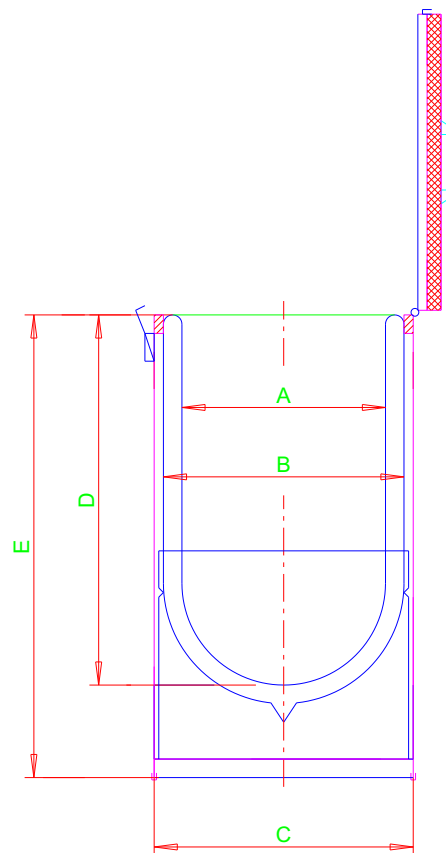
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Special types

- large insulating flasks with metal casing and roller base
- large insulating flasks with custom-made lid with drillings

Safety advises and regulations

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



Measurements and order data

Type	max. Content ca. [L]	A mm	B mm	C mm	D mm	E mm	Weight ca.[kg]	Evaporation rate CO2 ca. [kg / d]
131	10	200	230	290	350	500		0,4
132	14	200	230	290	500	635		0,4
133	21	250	280	360	480	630		0,6
134	28	250	280	360	620	765		0,6
135	40	280	330	410	650	800		0,9

Dewar - Artikelnummern

Type	Article No.	Linen-bags for type	Article No.	Insulating disc for type	Article No.	Rollerbase for Type	Article No.	
131	1262		131	1632	131	1642	131	1268-131
132	1263		132	1633	132	1643	132	1268-132
133	1264		133	1634	133	1644	133	1268-133
134	1265		134	1635	134	1645	134	1268-134
135	1266		135	1636	135	1646	135	1268-135

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