



# Technical data sheet for Dewar carrying flasks type 26-29 B or B-E

## Area of application

- ✎ laboratory technique
- ✎ medicinal technique
- ✎ Biotechnology
- ✎ storing and company internal short-distance transport
- ✎ for liquid or solid medias and solid matters
- ✎ pressure-less space for coolants



Dewar flask 26 B

## Features of performance

- ✎ reliably and economically
- ✎ Dewar flasks according to DIN 12492
- ✎ glass material according to ISO 3585
- ✎ nominal capacity from 1 to 4 litres
- ✎ protective casing out of blue-coated metal



Dewar flask 26 B-E

## Description of complete flasks

### Types and accessories

- ✎ B = blue-coated protective casing out of metal
- ✎ B-E = protective casing out of stainless steel
- ✎ carrying handle = pure aluminium
- ✎ lid = polyethylene, white
- ✎ clamps = stainless steel, electrolytic polished

### Temperature ranges

- ✎ glass refill from - 200°C to + 150°C, for a short time +200°C
- ✎ lid to + 80°C
- ✎ casing with mounting rubber and Latizell buffer 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:  $2,23 \text{ g/cm}^3$
- specific thermal capacity:  $910 \text{ J/kg K}$
- transformation temperature:  $525^\circ\text{C}$

### Vacuum

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

### Silvering

- fully silvered

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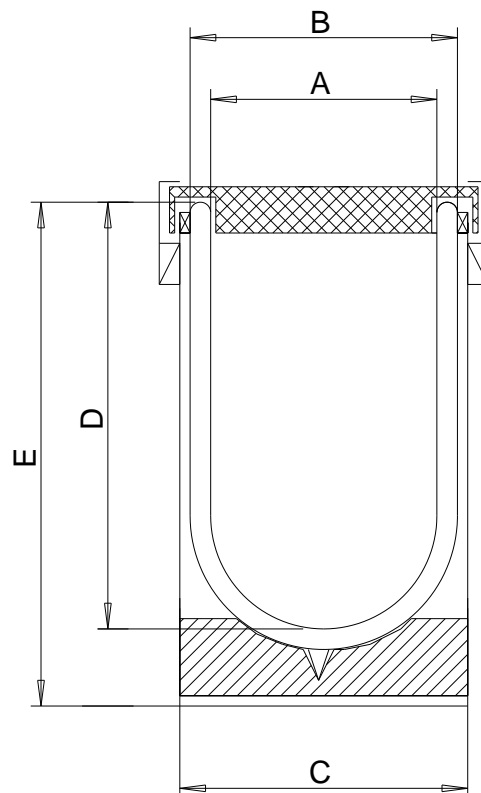
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## Special types

- small insulation flasks with bore hole in the lid for gaseous medias
- small insulation flasks with PTFE lid
- small insulation flasks with silicone sealed lid

## 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



## Measurements and order data

Technische Angaben / Technical Specifications / Caractéristiques techniques									
Typ	max. Inhalt	A	B	C	D	E	Gewicht	Standzeit LN2	Verdampfungsrate LN2
Type	max. Content						Weight	Holding time LN2	Evaporation rate LN2
Types	Capacité max.						poids	Durabilité LN2	Taux d'évaporation LN2
	ca. [ L ]	mm	mm	mm	mm	mm	ca. [ kg ]	ca. [ h ]	ca. [ L / d ]
26 B (26BE)	1	100	120	130	150	215	1,2	18	1,1
27 B (27BE)	2	138	160	165	170	245	2,0	26	1,7
28 B (28BE)	3	138	160	165	230	305	2,5	44	1,5
29 B (29BE)	4	138	160	165	310	385	3,0	75	1,3
Artikel-Nummern / Article numbers / Référence									
Typ	Artikel Nr.			Typ	Artikel Nr.			Ersatzglas	Artikel Nr.
Type	Article No.			Type	Article No.			Glass Refill	Article No.
Types	Référence			Types	Référence			Réceptient replacement	Référence
26 B	1211			26 BE	1221			26 A	1201
27 B	1212			27 BE	1222			27 A	1202
28 B	1213			28 BE	1223			28 A	1203
29 B	1214			29 BE	1224			29 A	1204