



# 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

## Features of performance

- reliably and economically
- Dewar flasks according to DIN EN ISO 16496
- glass material according to ISO 3585
- nominal capacity from 1 to 4 litres
- protective casing out of blue-coated metal



Dewar flask 26 B



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:  $3,3 \times 10^{-6} \text{ 1/K}$  (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

## KGW - ISOTHERM

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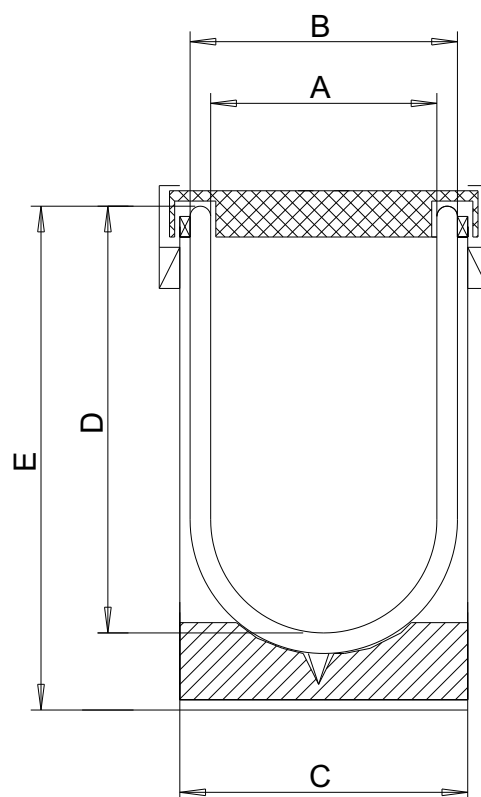
## Special types

- 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 | 132 | 150 | 215 | 1,5        | 17               | 1,2                    |
| 27 B (27BE) | 2             | 138 | 160 | 170 | 170 | 245 | 2,3        | 23               | 1,9                    |
| 28 B (28BE) | 3             | 138 | 160 | 170 | 230 | 305 | 2,8        | 40               | 1,6                    |
| 29 B (28BE) | 4             | 138 | 160 | 170 | 310 | 385 | 3,3        | 71               | 1,4                    |

### 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   |  |  | Récipient 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        |

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