Technical data sheet for Dewar flasks

cylindrical out of glass type

G 0 to S 22 C or CAL

Area of application
- laboratory technique
- medicinal technique
- Biotechnology
- storing and company internal short-distance transport
- for liquid or solid medias and solid matters (LN2 oder CO2)
- Pressure-less space for coolants

Features of performance
- reliably and economically
- Dewar flasks according to DIN 12492
- glass material according to ISO 3585
- nominal capacity from 100ml to 8 litres
- protective casing out of blue-coated metal or aluminium
- side grip

Description of complete flasks

Types and accessories
- G - C = blue-coated protective casing out of metal
- G - CAL = protective casing out of stucco aluminium

Temperature ranges
- glass refill from -200°C to + 150°C, for a short time 200°C
- casing with mounting rubber and Latizell buffer from -10°C to + 60°C

Pressure range
- pressure - less

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 x 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 x 10⁻⁶ mbar

Silvering
- fully silvered
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Special types
- Dewar flasks with loosely lied-on plug for gaseous medias
- Dewar flasks with PE lid and spring clips
- Dewar flasks with opposite viewing strips in CAL-version only

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

Measurements and order data

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<th>Type</th>
<th>max.Content</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>Weight</th>
<th>Dewar</th>
<th>Plug</th>
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<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
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