



Technical data sheet for Dewar flask Type MRD 2011 for magnetic stirrer Type IKA color squid

Area of application

- laboratory technique
- medicinal technique
- Biotechnology
- 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 600ml
- protective casing made of stucco aluminium

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



Dewar flask Type MRD
2011 for IKA color squid

Description of complete flasks

Types and accessories

- CAL = protective casing out of stucco aluminium

Temperature ranges

- glass refill from -200°C to $+150^{\circ}\text{C}$,
for a short time 200°C
- casing with mounting rubber and Latizell buffer
from -10°C to $+60^{\circ}\text{C}$

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

Vacuum

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

Silvering

- fully silvered

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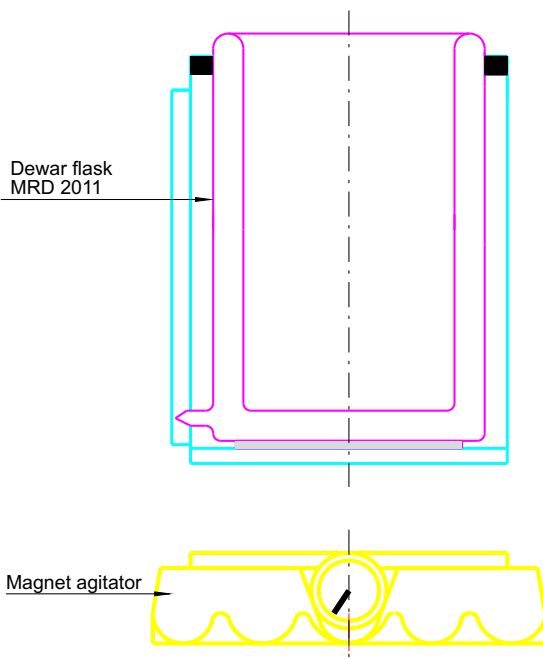
Technical data

- Type MRD 2011
- content (ml) 600
- Ø inside A (mm) 90
- hight inside D (mm) 125
- article number 11624

Accessories

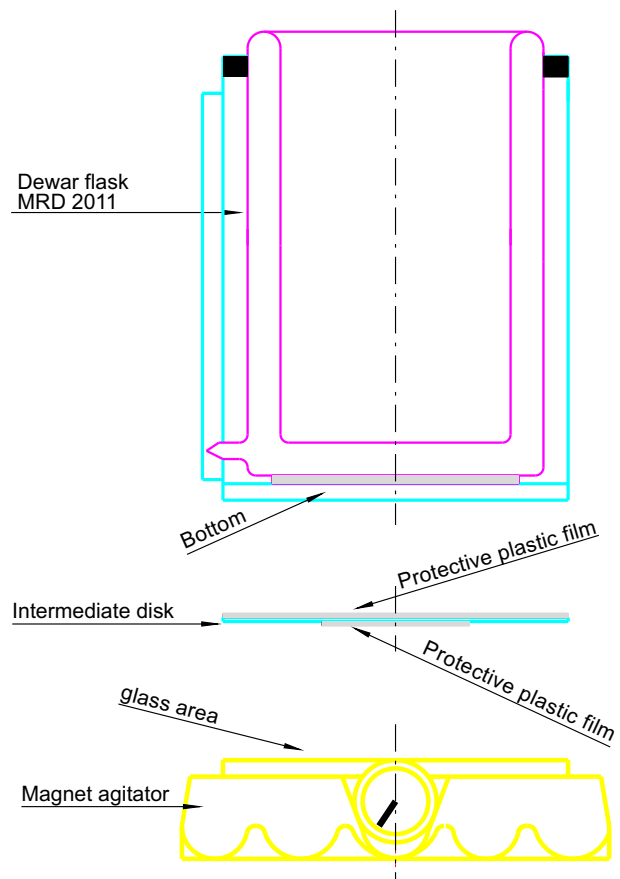
- loose lid insulating plug for Type MRD 2011
operating temp. : -200 to +80 °C
- PTFE covered stirring rod
length : 30 mm / diameter : 6 mm
- magnetic stirrer IKA color squid

Solvable assembly



Put the Dewar flask MRD on the magnet agitator and press it on.

Firm assembly



- 1) Please clean the Aluminium bottom of the MRD Dewar flask.
- 2) Take off the first protective plastic film of the intermediate disk.
- 3) Press the intermediate disk on the bottom of the casing.
- 4) Clean the glass area of the magnet agitator.
- 5) Take of the second protective plastic film of the intermediate disk.
- 6) Put the Dewar flask on the magnet agitator and press it on.