



# 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)

## Features of performance

- reliably and economically
- Dewar flasks according to DIN EN ISO 16496
- 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°C,  
for a short time 200°C
- casing with mounting rubber and Latizell buffer  
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/cm<sup>3</sup>
- specific thermal capacity: 910 J/kg K
- transformation temperature: 525°C

### Vacuum

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

### Silvering

- fully silvered

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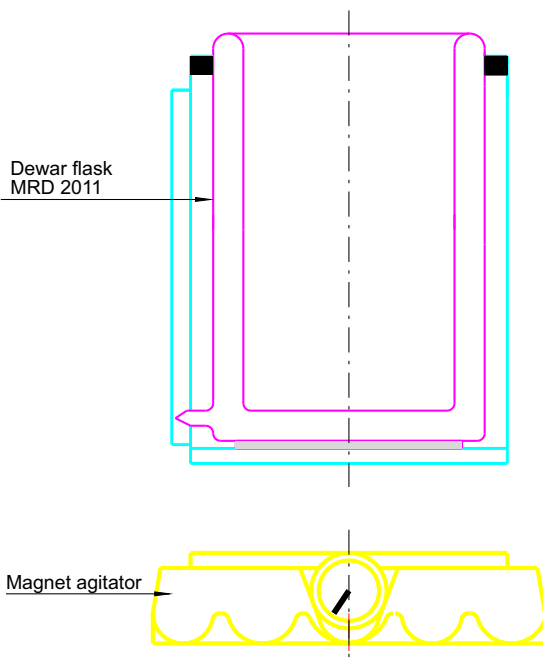
## Technical data

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

## Accessories

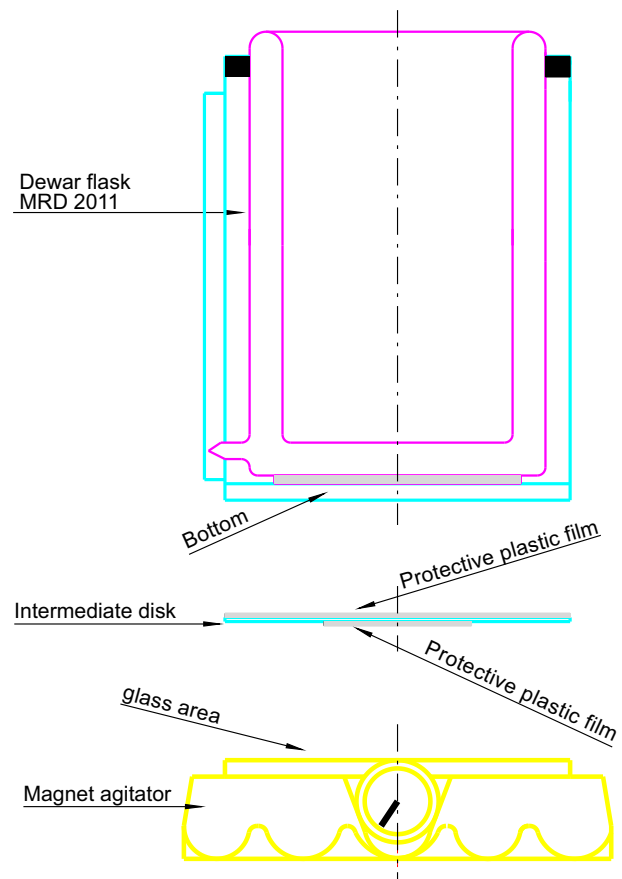
- loose lid insulating plug for Type MRD 2011  
operating temp. : -200 to +80 °C
- PTFE covered stirring rod  
length : 30 mm / diameter : 6 mm
- magnetic stirrer IKA color squid

## 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.