

Technical data sheet for Dewar flasks with flange type from F - 0 to F - S 22 C

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
- NLK appliance

Features of performance

- reliably and economically
- Dewar flasks according to DIN EN ISO 16496
- glass material according to ISO 3585
- nominal capacity from 200ml to 8 litres
- protective casing out of blue-coated metal or aluminium



Dewar flask F 9 C

Description of complete flasks

Types and accessories

- C = blue-coated protective casing out of metal

Temperature ranges

- glass refill from -200°C to + 150°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/cm³
- specific thermal capacity: 910 J/kg K
- transformation temperature: 525°C

Vacuum

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

Silvering

- fully silvered



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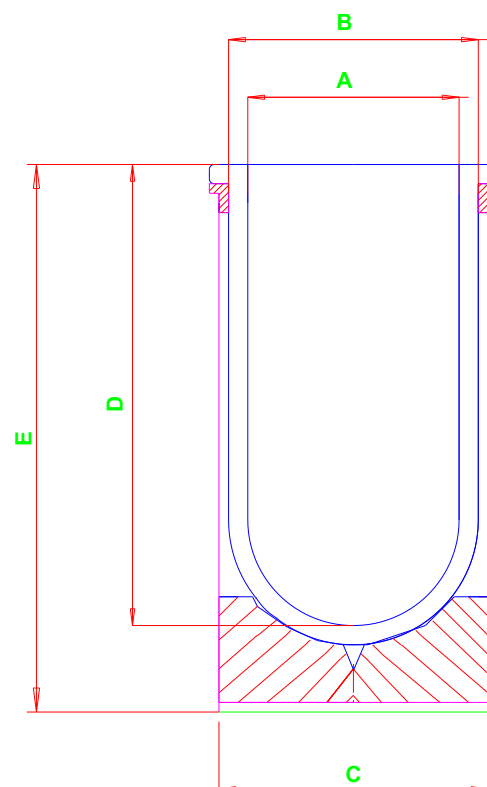
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Special types

- Dewar flasks with loosely lied-on plug for gaseous medias
- Dewar flasks with PE lid and clamps
- Dewar flasks with NKL lid made of PE

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

Dewar flasks with flange, technical specifications

Type	max. Content	A	B	C	D	E	Weight
	ca. [ml]	mm	mm	mm	mm	mm	ca. [kg]
F 0 C	200	40	56	60	160	215	0,3
F 1 C	300	47	60	70	180	240	0,3
F 3 C	500	57	70	80	200	260	0,5
F 6 C	800	67	80	90	230	295	0,6
F 7 C	1200	67	80	90	340	395	0,8
F 9 C	1000	77	95	105	225	290	0,7
F 10 C	1500	77	95	105	335	395	1,1
F 12 C	1500	90	115	130	235	300	1,1
F 13 C	2000	90	115	130	330	390	1,4
F 15 C	1500	100	120	135	230	300	1,2
F 16 C	2000	100	120	135	280	345	1,4
F 18 C	2500	110	130	145	280	345	1,7
F 19 C	5000	110	130	145	590	660	3,2
F S21 C	4000	138	160	175	300	375	2,4
F S22 C	8000	138	160	175	590	660	4,6



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