

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 EN ISO 16496
- ♦ glass material according to ISO 3585
- ♦ nominal capacity from 100ml to 8 litres
- ♦ protective casing out of blue-coated metal or aluminium
- ♦ side grip



Dewar flask G 9 C

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

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: $3,3 \times 10^{-6} \text{ } 1/\text{K}$ (in between 20-300°C)
- ♦ density: 2,23 g/cm³
- ♦ specific thermal capacity: 910 J/kg K
- ♦ transformation temperature: 525°C

Vacuum

- ♦ $> 5 \times 10^{-6} \text{ mbar}$

Silvering

- ♦ fully silvered



02.51.12.70.01

Batailler-labo.fr



Contact@batailler-labo.fr

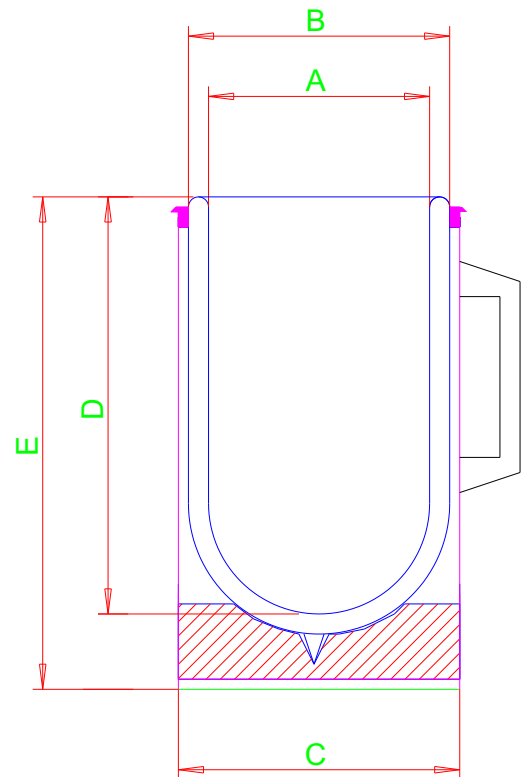
Technical data sheet for Dewar flasks cylindrical out of glass type G 0 to S 22 C or CAL

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

Dewar flasks cylindrical with handle, technical specifications							
Type	max.Content	A	B	C	D	E	Weight
	ca. [ml]	mm	mm	mm	mm	mm	ca. [kg]
G 0 C	200	40	56	63	170	215	0,3
G 1 C	300	47	60	72	190	240	0,3
G 2 C	450	47	60	72	270	310	0,5
G 3 C	500	57	70	81	210	260	0,5
G 4 C	750	57	70	81	310	370	0,8
G 6 C	800	67	80	90	240	295	0,6
G 7 C	1200	67	80	90	350	395	0,8
G 9 C	1000	77	95	105	235	290	0,7
G 10 C	1500	77	95	105	345	395	1,1
G 12 C	1500	90	115	124	245	300	1,1
G 13 C	2000	90	115	124	340	390	1,4
G 15 C	1500	100	120	130	240	300	1,2
G 16 C	2000	100	120	130	290	345	1,4
G 18 C	2500	110	130	140	290	345	1,7
G 20 C	3000	138	160	165	230	280	1,4
GS 21 C	4000	138	160	165	310	375	2,4
GS 22 C	8000	138	160	165	600	660	4,6



02.51.12.70.01

Batailler-labo.fr



Contact@batailler-labo.fr