

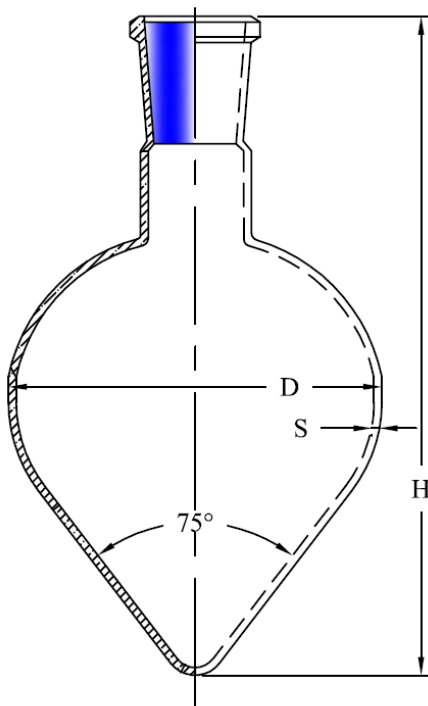
LABSOLUTE[®] PEAR-SHAPED FLASKS with ground joint

Properties:

- Made of borosilicate glass 3.3
- According to DIN 12383
- Center neck with NS 14/23 or 29/32
- Perfect chemical resistance
- High chemical resistance

Pear-shaped flasks are mainly used during distillations to collect the distillate. Due to the standard ground joint it is possible to combine the flasks easily with other laboratory glass ware with the same joint size.

Technical drawing / picture:



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Value table:

Art. Nr.	V ml	NS CN	Ø mm	H1 mm	thick mm
7.690 120	10	14/23	31±1	74±3	0.7
7.690 121	25	14/23	42±1	90±3	0.8
7.690 122	50	14/23	51±1	100±3	1.0
7.690 123	50	29/32	51±1	100±3	1.0
7.690 124	100	14/23	64±1.5	130±3	1.0
7.690 125	100	29/32	64±1.5	130±3	1.0
7.690 126	250	14/23	85±2	150±3	1.2

Description of the abbreviations in the value table:

Item no.	Item number
V	Nominal volume of the flask in milliliter (ml)
NS CN	Nominal neck size of the center neck
Ø	Maximum diameter of the flask in millimeter (mm)
H1	Total height of the flask in millimeter (mm)
Thick	Minimum thickness of the glass in millimeter (mm)

Physical properties of borosilicate glass 3.3 acc. to ISO 3585:

Eigenschaft	Wert
Linear coefficient of thermal expansion α (20°C;300°C) acc. to ISO 7991	$3,3 \cdot 10^{-6} \text{ K}^{-1}$
Transformation temperature Tg	525 °C
Permitted max. working temperature	500 °C
Density ρ (20 °C)	2,23 g/cm ³
Coefficient of thermal conductivity λ (20 to 100 °C)	1,2 Wm ⁻¹ K ⁻¹
Hardness (according to Mohs)	6°
Refractive index nD ($\lambda = 587,6 \text{ nm}$)	1,473

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