LABSOLUTE® CONDENSER ACC. TO DIMROTH

with PP olives, especially designed for Soxhlet extraction

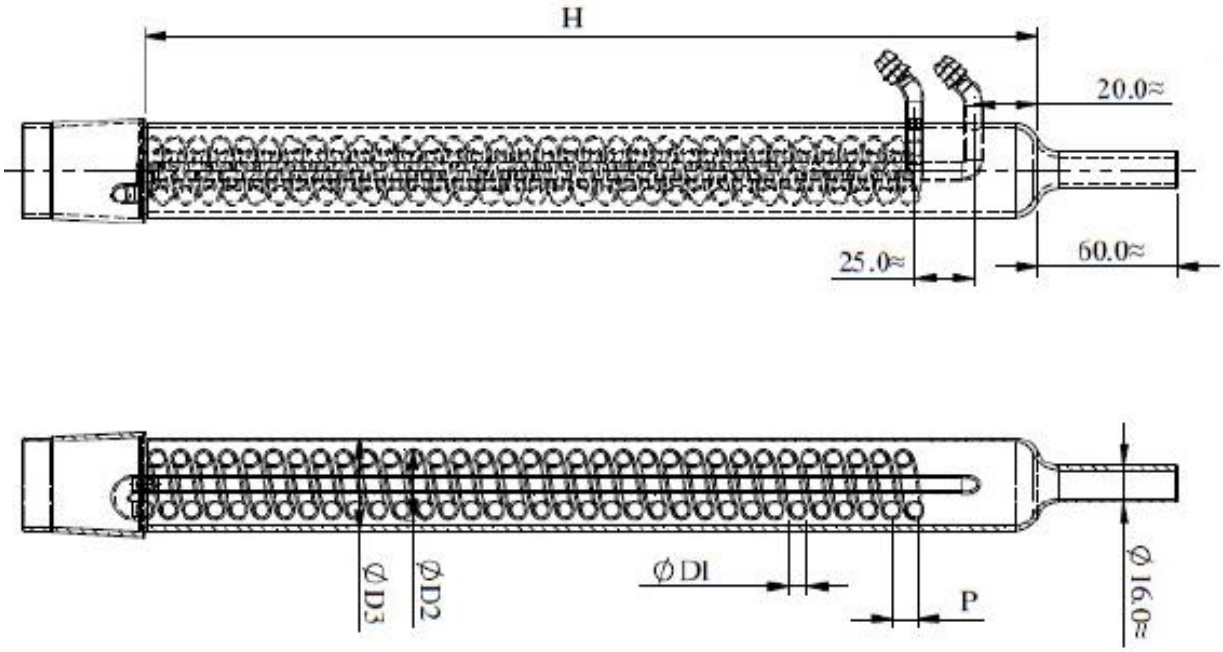
Properties / Helpful hints:

- Made of borosilicate glass 3.3
- According to DIN 12591
- With PP olives and GL14 screw connectors
- Especially designed for cooling purpose during Soxhlet extraction
- Perfect chemical resistance
- High temperature resistance

The choice of the right condenser depends on the size of the Soxhlet extraction unit.

A tube (for example made of natural rubber or silicone) is recommended to connect a condenser with PP olives to the water tap. If you have a condenser with glass olives a tube with an internal diameter of 8-9 mm should be used. Please use a suitable hose clamp to protect the tube against slipping off from the olives.

Technical drawing / picture::



Th. Geyer GmbH & Co. KG

www.thgeyer.com Dornierstr. 4 – 6 · 71272 Renningen · GERMANY · +49 7159 16370

Value table:

Item no.	NS	H mm	Ø2 mm	Ø3 mm	S mm	n_{Coil}
7.690 320	29/32	300	30	40	2	29
7.690 321	34/35	300	30	40	2	29
7.690 322	45/40	300	30	40	2	29

Description of the abbreviations in the value table:

Item no.	Item number
NS	Nominal size of the socket
H	Total length of the condenser in millimeter (mm)
Ø2	Diameter of the helix in millimeter (mm)
Ø3	Diameter of the condenser in millimeter (mm)
S	Minimum thickness of the glass in millimeter (mm)
n_{Coil}	Numbers of coil revolution

Other values (Ø1, P) are available on request.

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

Properties	Value
Linear coefficient of thermal expansion α (20°C;300°C) acc. to ISO 7991	$3.3 \cdot 10^{-6}\ K^{-1}$
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 (λ = 587.6 nm)	1.473

Revision 1.0, Stand: 17.07.2017