



designed for scientists



SY 500 D Reactor vessel

/// Data Sheet

Double-walled reactor vessel with bottom discharge including accessories for the EasySyn reactor system.

Volume: 500 ml

Flange size: DN 100

Including stainless steel metal adapter M 16x1 (Male) to connect temperature hoses.

Scope of delivery:

Glasreactor incl. metal adapter



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Technical Data

Volume [l]	0.5
Fill level diameter ratio	1.375
Fill level at nominal volume [mm]	72
Vessel inner diameter [mm]	99
Vessel outer diameter [mm]	130
Height (room dimension) [mm]	313
Width (room dimension) [mm]	203
Depth (room dimension) [mm]	141
Flange type	acc. DIN 12214 with circular groove
Flange dimension	DN100
Flange collar diameter [mm]	108
Bottom shape	Torispherical head
Bottom drain	yes
Bottom valve	Safety valve
Bottom drain outlet inner diameter [mm]	10
Bottom drain outlet outer diameter [mm]	15
Bottom drain outlet length [mm]	65
Bottom drain shape	straight
Tempering jacket filling capacity [L]	0.40
Tempering jacket inlet connection	DN 15 (tech-flange)
Tempering jacket inlet inner diameter [mm]	15
Vacuum application	yes
Tempering jacket outlet connection	DN 15 (tech-flange)
Tempering jacket outlet inner diameter [mm]	15
Thread closure system	M16x1
Width across flats	WAF 22
Material closure system	stainless steel 1.4404
Reactor vessel material	borosilicate glass 3.3 DIN ISO 3585
Working temperature [°C]	-50 - 200
Useable volume [ml]	30 - 610
Useable volume with temperature probe min. [ml]	260
Pressure max.	atmospheric pressure
Attainable vacuum [mbar]	3
Material in contact with medium	borosilicate glass 3.3 DIN ISO 3585, PTFE