

Filter Element & Filter Support

For filter funnel reactors, a filter element is clamped between a column extender and a glass part with outlet and a bottom valve. This setup allows to easily replace the filter whenever required.

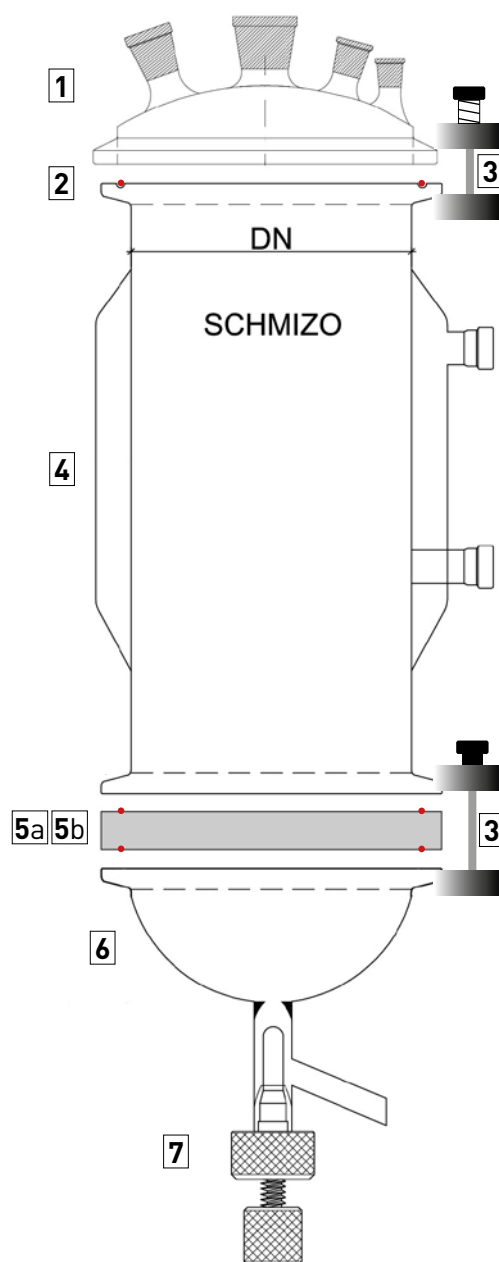


Bottom Part (6), fits Filter Part and Filter Support with flat flange SCHMIZO without groove, glass part for bottom valve Schmizo *

Article No.	DN	Outlet Ø mm	
23.016.60	60	10	
23.016.61	100	10	
23.016.62	120	10	
23.016.63	150	10	
23.016.64	200	10	
23.016.93	150	20	
23.016.94	200	20	

* also available with SCHOTT-flange: Please add „S“ at the end of the article number.

others valves on request



Design of a Filter Funnel Reactor:

- 1 Cover (from page 25)
- 2 O-Ring (s. 33)
- 3 2x reactor holder (s. 34)
- 4 Column extender (p. 22/23)
- 5 Filter part / Filter support
O-Rings included
- 6 Bottom part with outlet
- 7 Outlet valve (s. 36)

Filter Element PTFE (5a) with Sealed Glass Filter Plate

O-Rings are included

x = Porosity (0 - 5)

Article No.	DN	
Filter element		
23.016.06x	60	
23.016.10x	100	
23.016.12x	120	
23.016.15x	150	
23.016.20x	200	



Filter Support PTFE (5b) for Paper or Membrane Filters

O-Rings are included

Article No.	DN	
Filter support		
23.016.50	60	
23.016.51	100	
23.016.52	120	
23.016.53	150	
23.016.54	200	



When using thicker filter papers or membranes, it may be necessary to use a press ring (on request) to ensure tightness.

Reactor with Glass Filter Plate

All reaction vessels - if single, jacketed or vacuum jacketed reactors - can also be manufactured with fixed glass filters of all porosities.

We would be pleased to provide an offer according to your requirements.



Jacketed reactor with fused-in glass filter plate P3

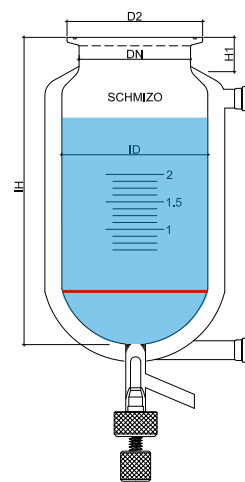
Volumes of Filter Reactors

The volume of filter reactors can be understood in two ways. Please specify the desired option you are interested in.

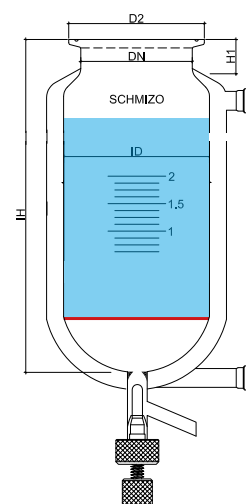
 Glass filter plate

 Volume of the Reactor

Option 1



Option 2



International Standards for Porosities in Glass Sintered Filters

ISO International Standard

ASTM American Standard

BS British Standard

We usually offer filter plates according to International Standard. Other porosities on request.

Porosities according to ISO 4793-80

Porosity	Pore size µm
Por. 00	250 - 500
Por. 0	160 - 250
Por. 1	100 - 160
Por. 2	40 - 100
Por. 3	16 - 40
Por. 4	10 - 16
Por. 5	1 - 1,6