

Plate and Frame Filter

BECO COMPACT[®] PLATE 200

1 A 2.6.22 · WP
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The plate and frame filter system for laboratories and research centers

The BEGEROW depth filtration system for small volume filtration tasks in laboratories and research centers. The areas of application include small batches and up-scaling in biotechnology and pharmaceutical, food, chemical, and cosmetic industry.

BECO COMPACT[®] PLATE 200 is a particular high-class multi sheet-filter with high compression of the depth filter sheets.

Special features

- ▶ **High flexibility** through the simple adaptation of the filter area (from 0.07 to 1.02 m²) to the respective application
- ▶ **Variable application options** through the use of filtrat plates, unfiltered plates or cake frames. The filter can be used as a sheet filter, precoat filter or as a combination of this two filter types.
- ▶ **Easy handling** and **good clean ability** thanks to ergonomic design, smooth surfaces and open support grid of filter plates.
- ▶ **Low dropping loss** through the compact design of the filter and a larger spindle
- ▶ **High chemical resistance** trough the use of quality stainless steel materials, AISI 316 L/AISI 316 Ti

Other designs and further components for expansion to complete systems are available, depending on requirements.

Technical data

Operating pressure:	max. 1000 kPa (10 bar)
Differential pressure:	max. 400 kPa (4 bar)
Operating temperature:	max. 140 °C
Filter area per sheet:	0.034 m ²

Materials:

parts in contact with product:	stainless steel AISI 316 L/316 Ti
other parts:	stainless steel AISI 304
gaskets/O-rings:	silicone, Viton

Connections:

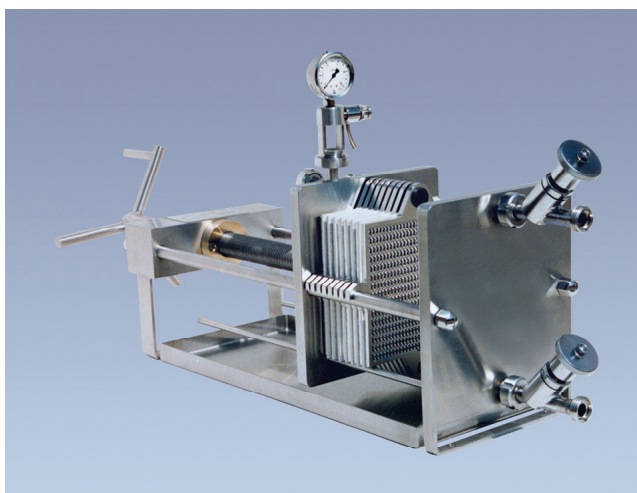
filter inlet:	DN 15, DIN 11851
filter outlet:	DN 15, DIN 11851

Filter plates/cake frames:

		Cake volume*	Weight
filtrate plate	8 mm	-	0.8 kg
unfiltrate plate	8 mm	-	0.8 kg
cake frame	8 mm	0.12 l	0.8 kg
cake frame	25 mm	0.65 l	2.4 kg

Other connections:

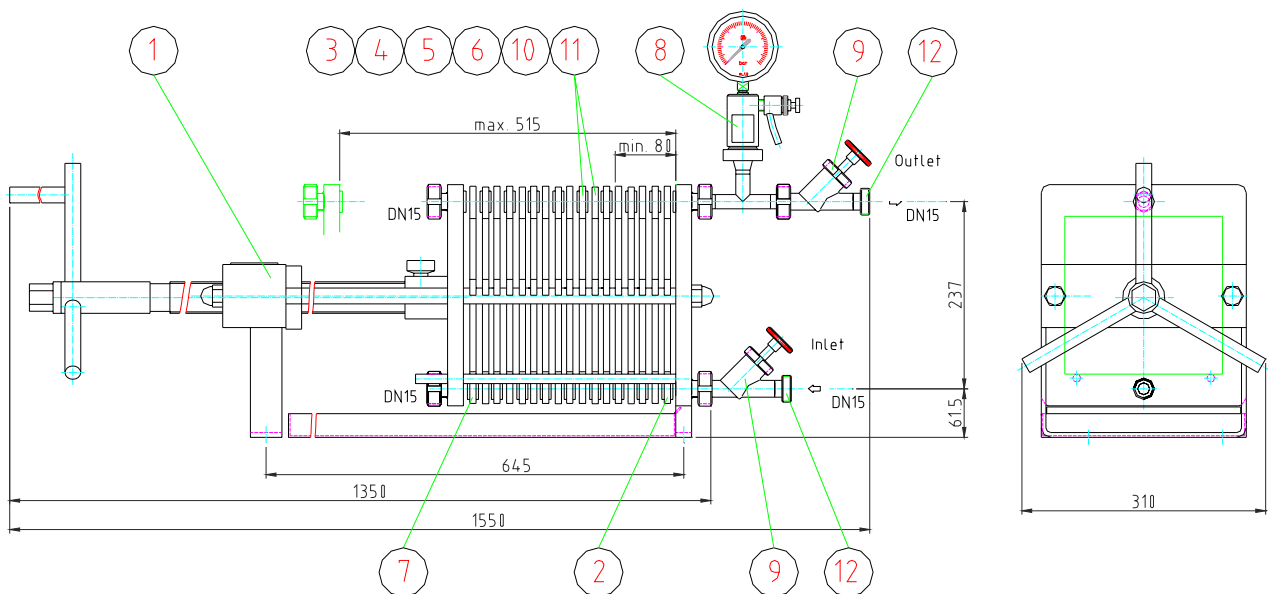
flange according to DIN 2633/ISO or e.g. tri-clamp on request



Type	Filter area	Cake volume*	Filter plate/ cake frame	Depth filter sheets	Weight
	m ²	l	-	200 x 200 mm	≈ kg
200 SF	1.02	-	14/15	30	80
200 ASF with 8 mm cake frame	1.02	1.8	14/15	30	78
200 ASF with 25 mm cake frame	0.75	7.15	10/11	22	91

* useable cake volume

Pos	Description	BEGEROW Article no.	
1	Frame with tub	592 62 102	
2	First plate, 8 mm	592 62 301	
3	Filtrate plate, 8 mm	592 62 331	
4	Unfiltrate plate, 8 mm	592 62 332	
5	Cake frame, 8 mm	592 62 303	
6	Cake frame, 25 mm	592 62 304	
7	End plate, 8 mm	592 62 302	
8	Vent unit completely	592 62 312	
9	Inclined seat valve DN 15	540 40 204	
10	Sealing to item no. 2, 3, 4, 5, 7	531 26 611 Silicone	531 26 613 Viton
11	Sealing to item no. 6	531 26 711 Silicone	531 26 713 Viton
12	Sealing DN 15, DIN 11851	500 00 152 Silicone	500 00 154 Viton



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