

Plate and Frame Filter
BECO COMPACT™ PLATE 200

Plate and Frame Filtration System for Laboratories and Research Centers

BECO COMPACT PLATE 200 depth filtration system is for small volume filtration tasks in laboratories and research centers. Applications include small batches and up-scaling in the pharmaceutical and biotechnology, chemical, cosmetics, and food industries.

BECO COMPACT PLATE 200 is a premium multi-sheet filter with a high compression of the depth filter sheets.

Special Features

- **Highly flexible** filter area (from 0.8 to 1.1 ft² (0.07 – 1.02 m²)) allows for customizable solutions for individual applications
- **Variable application options** for the use of filter plates, feed plates or cake frames. The filter can be used as a sheet filter, pre-coating filter or as a combination of both.
- **Easy handling** and **good cleanability** thanks to **ergonomic** design, smooth surfaces and open support grid of filter plates
- **Low drip loss** due to the compact design of the filter and a larger spindle
- **High chemical resistance** for the use of quality stainless steel materials, AISI 316L/AISI 316Ti

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

Technical Data

Operating pressure:	max. 145 psi (1,000 kPa/10 bar)
Differential pressure:	max. 58 psi (400 kPa/4 bar)
Operating temperature:	max. 284 °F (140 °C), depending on the filter plates used
Filter area per sheet:	0.37 ft ² (0.034 m ²)



Materials

Product contacting parts:	Stainless steel AISI 316L/AISI 316Ti
Other parts:	Stainless steel AISI 304
Gaskets/O-Rings:	Silicone, Viton

Filter Plates/Cake Frames

	Width	Cake volume	Weight
Filter plate	0.32 in (8 mm)		1.8 lb (0.8 kg)
Feed plate	0.32 in (8 mm)		1.8 lb (0.8 kg)
Cake frame	0.32 in (8 mm)	0.03 gal (0.12 l)	1.8 lb (0.8 kg)
Cake frame	0.98 in (25 mm)	0.17 gal (0.65 l)	5.3 lb (2.4 kg)

Connections

Inlet:	DN 15, DIN 11851
Outlet:	DN 15, DIN 11851

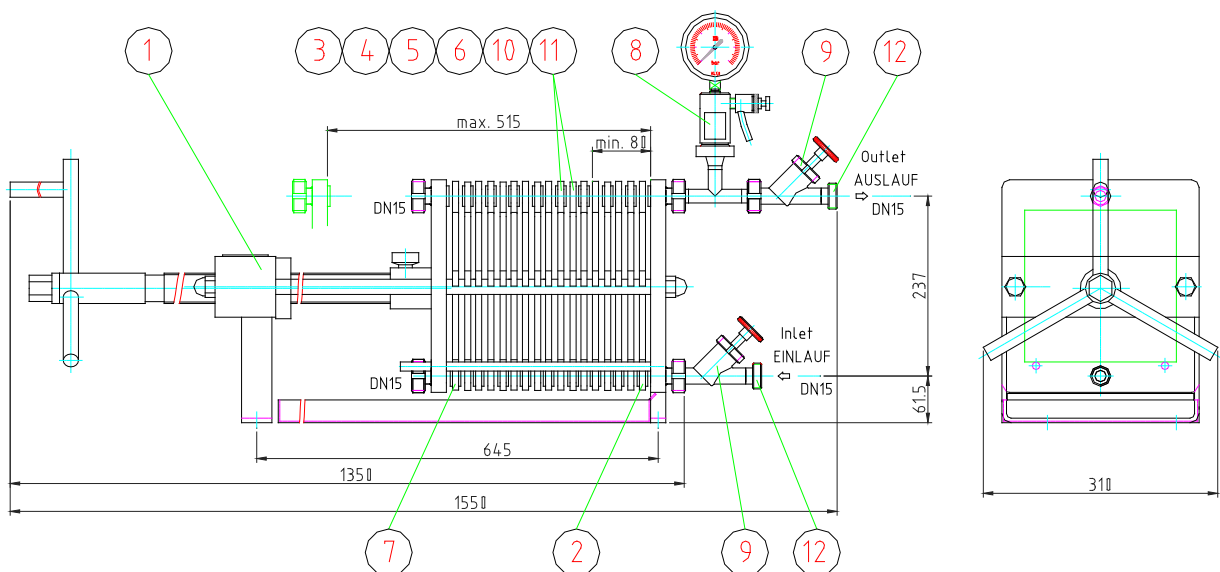
Other connections

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

Type	Filter area		Cake volume*		Filter plates/ cake frames	Depth filter sheets 7.9 x 7.9 in (200 x 200 mm)	Weight
	ft ²	(m ²)	gal	(l)			
200 SF	10.98	(1.02)	-		14/15	30	176 (80)
200 ASF with 0.32" (8 mm) cake frames	10.98	(1.02)	0.48	(1.8)	14/15	30	172 (78)
200 ASF with 0.98" (25 mm) cake frames	8.07	(0.75)	1.89	(7.15)	10/11	22	201 (91)

* useable cake volume

Item	Description	Article no.	
1	Frame with tub	59262102	
2	First plate, 0.32" (8 mm)	59262301	
3	Filter plate, 0.32" (8 mm)	59262331	
4	Feed plate, 0.32" (8 mm)	59262332	
5	Cake frame, 0.32" (8 mm)	59262305	
6	Cake frame, 0.98" (25 mm)	59262304	
7	End plate, 0.32" (8 mm)	59262302	
8	Vent unit	59262312	
9	Inclined seat valve DN 15	54040204	
10	Gasket to items nos. 2, 3, 4, 5, 7	53126611 Silicone	53126613 Viton
11	Gasket to item no. 6	53126711 Silicone	53126713 Viton
12	Gasket DN 15, DIN 11851	50000152 Silicone	50000154 Viton



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