

Plate and Frame Filter

BECO COMPACT® PLATE 600

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Filtration System using Depth Filter Sheets for Particle, Sterile and Precoating Filtration

The BEGEROW depth filtration system for liquids with large variability using different filter elements and a wide range of different BEGEROW depth filter sheets for applications within the foodstuff industry, biotechnology and chemical / cosmetics industry.

The BECO COMPACT® PLATE 600 is a particularly high-class multi sheet filter with premium equipment.

Special Features

- ▶ **High flexibility** through the simple adaptation of the filter area (from 0.66 to 67.32 m²) to the respective application.
- ▶ **Variable application options** through the use of filtrate plates, unfiltrate plates and cake frames. The filter can be used as sheet filter, precoating 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 dripping loss** due to the compact design of the filter and a larger spindle. Alternatively available with manual hydraulic or electro-hydraulic control.
- ▶ **Wide range of accessories** such as fittings and riser pipes complement the system to a unit ready for connection.

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

Technical Data

Operating pressure	max. 600 kPa (6 bar)
Differential pressure:	max. 400 kPa (4 bar)
Operating temperature:	max. 121 °C
	Depending on the filter plates used
Filter area per sheet:	0,033 m ²

Materials:

Product contacting parts:	
Filter plates:	1.4404 or Noryl
Filter frames:	1.4301 or 1.4404
Chassis:	1.4301 or 1.4404
Sealings:	Silicone, alternatively Viton

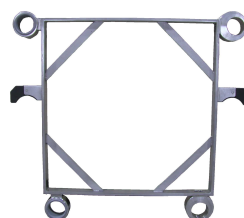
Connections:

Inlet:	chassis sizes 1 +2:	DN 50, DIN 11851
	chassis size 3:	DN 65, DIN 11851
Outlet:	chassis sizes 1 +2:	DN 50, DIN 11851
	chassis size 3:	DN 65, DIN 11851

Filter elements:		Cake volume*	Weight
Filtrate plate	8 mm	-	6,5 kg
Unfiltrate plate	8 mm	-	6,5 kg
Noryl plate	12 mm		4,0 kg
Cake frame	25 mm	6,60 l	8,5 kg
Cake frame	40 mm	11,55 l	13 kg

Other designs:

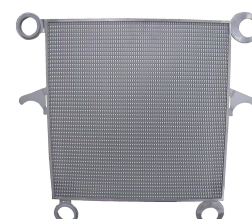
Flange connections DIN 2633, Tri-Clamp or according to requirements



Stainless steel filter frame



Plastic filter plate

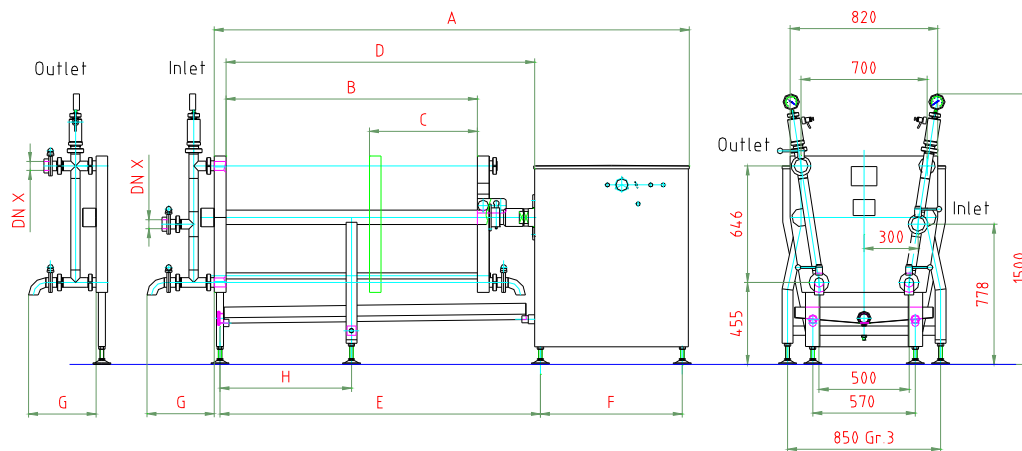


Stainless steel filter plate

Design	Max. filter area	Unfiltrate space*	Chassis size	Filtrate/Unfiltrate elements or cake frames	Depth filter sheets	Weight
	m ²	l	-	-	600 x 615 mm	≈ kg
600 SF	25,74	-	1	38/39	78	1442
with plastic elements (12 mm)	39,60	-	2	59/60	120	1660
	49,50	-	3	74/75	150	1826
600 SF	33,66	-	1	50/51	102	1791
with stainless steel elements (8 mm)	52,80	-	2	79/80	160	2218
	67,32	-	3	101/102	204	2550
600 ASF	19,80	198	1	29/30	60	1578
with 25 mm cake frames	31,02	310	2	46/47	94	1883
	39,60	396	3	59/60	120	2124
600 ASF	14,52	254	1	21/22	44	1557
with 40 mm cake frames	22,44	392	2	33/34	68	1841
	28,38	496	3	42/43	86	2062

* usable unfiltrate volume

Specification		Chassis size 1	Chassis size 2	Chassis size 3
Length of chassis	A	2640 mm	3530 mm	4060 mm
Max. package length	B	1397 mm	2087 mm	2617 mm
Stroke hydraulic cylinder	C	600 mm	800 mm	800 mm
Free space chassis	D	1715 mm	2405 mm	2935 mm
Distance feet I	E	1780 mm	2470 mm	3000 mm
Distance feet II	F	789 mm	989 mm	989 mm
Length of fittings	G	374 mm	374 mm	414 mm
Distance supporting feet	H	---	---	1350
Connections	DN X	50	50	65



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