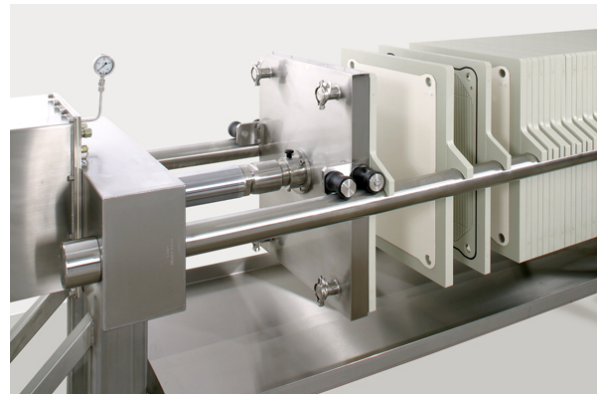


Enclosed Plate and Frame Filter BECO INTEGRA® PLATE 600 DP

Stainless Steel Chassis, Plastic Filter Plates, and Cake Frames

BECO INTEGRA PLATE 600 DP enclosed plate and frame filter is the depth filtration system for critical filtration tasks in the pharmaceutical and biotech, chemical, cosmetics, and food industries.

BECO INTEGRA PLATE 600 DP is a multi-sheet-filter in enclosed design. The product channels are sealed with depth filter sheets only. The sealing of the filter package is realized by means of O-rings at the outer edge of the filter package.



Special Features

- **CIP** of filter package without depth filter sheets.
- **Complete drainage** of filter due to unique filter plate design.
- **Safe operation:** No drip loss due to sealing of filter package by means of O-rings and automatic hydraulic pressure regulation.
- **Easy handling** and **good cleanability** thanks to ergonomic design of chassis, and open support grid of filter plates; cake discharge downwards into tray underneath of filter package.
- **High flexibility:** The filter can be used as a sheet filter or as a pre-coat filter. For pre-coating/removing of high particle load, cake frames in different widths are available.
- BECO INTEGRA PLATE 600 DP filter is designed and manufactured according to the **cGMP guidelines** and the **FDA regulations**.

Customization or additional components allow for system expansion or complete systems according to customer specifications.

Technical Data

Operating pressure/temp.:	max. 87 psi (600 kPa/6 bar) at 104 °F (40 °C) max. 43 psi (300 kPa/3 bar) at 140 °F (60 °C)
Differential pressure/temp.:	max. 43 psi (300 kPa/3 bar) at 104 °F (40 °C)
Filter area per sheet:	3.1 ft² (0.29 m²)

Materials

Product contacting parts:	Stainless steel AISI 316L, Polypropylene
Other parts:	Stainless steel AISI 304
Gaskets/O-rings:	Silicone, EPDM, Viton, FEP coated (FDA listed)

Type	Filter area		Cake volume*		Chassis size	Filter plates/ cake frames	Depth filter sheets 22.6 x 26.0 in (573 x 661 mm)	Weight	
	ft ²	(m ²)	gal	(l)				qty	qty
600 SF/ASF with 0.79" (20 mm) cake frames	81.16	(7.54)	14.79	(56)	1	12/13	26	2,934	(1,331)
	143.59	(13.34)	24.42	(100)	2	22/23	46	3,294	(1,494)
	206.02	(19.14)	37.78	(143)	3	32/33	66	3,600	(1,633)
	312.15	(29.00)	57.33	(217)	4	49/50	100	4,165	(1,889)
600 ASF with 1.57" (40 mm) cake frames	56.19	(5.22)	23.78	(90)	1	8/ 9	18	2,899	(1,315)
	106.13	(9.86)	44.91	(170)	2	16/17	34	3,261	(1,479)
	149.83	(13.92)	63.40	(240)	3	23/24	48	3,541	(1,606)
	224.75	(20.88)	95.10	(360)	4	35/36	72	4,065	(1,844)
600 ASF with 2.36" (60 mm) cake frames	43.70	(4.06)	29.59	(112)	1	6/ 7	14	2,884	(1,308)
	81.16	(7.54)	54.95	(208)	2	12/13	26	3,225	(1,463)
	118.62	(11.02)	80.31	(304)	3	18/19	38	3,512	(1,593)
	175.02	(16.26)	118.35	(448)	4	27/28	56	4,006	(1,817)

* usable cake volume

Filter Plates/Cake Frames

	Width		Cake volume*		Weight	
	in	(mm)	gal	(l)	lb	(kg)
Initial / end plate	0.98	(25)			19.8	(9.0)
Filter plate	0.98	(25)			18.7	(8.5)
Feeding plate	0.98	(25)			18.7	(8.5)
Cake frame	0.79	(20)	1.15	(4.35)	6.6	(3.0)
Cake frame	1.57	(40)	2.64	(10.00)	13.2	(6.0)
Cake frame	2.36	(60)	4.23	(16.00)	19.8	(9.0)

* usable cake volume

Connections

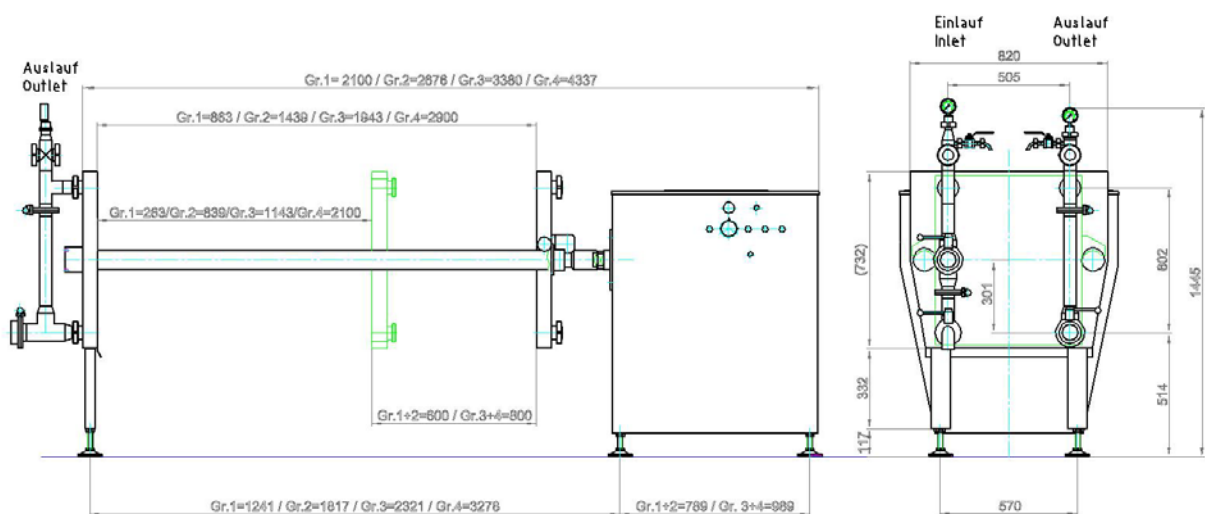
Filter inlet:	DN 25, DIN 11851/ISO 2 ½"
Filter outlet:	DN 25, DIN 11851/ISO 2 ½"

Other Types

Filter elements also available in PVDF

Flange connections DIN 2633/ISO or tri-clamp on request

Full product processing also available in PP or PVDF



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