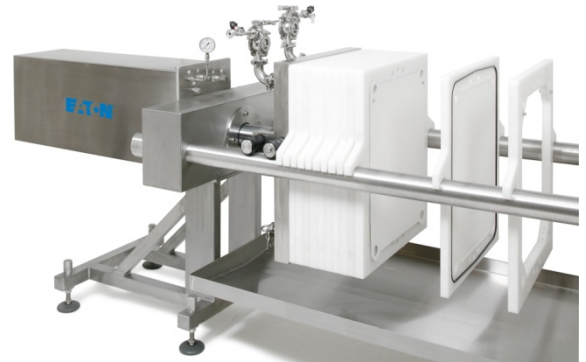


Enclosed Plate and Frame Filter BECO INTEGRA® PLATE 600 EP

Stainless Steel Chassis, Plastic Filter Plates, and Cake Frames

BECO INTEGRA PLATE 600 EP 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 EP is a multi-sheet filter with external chamber. Depth filter sheets seal the product channels. Gaskets at the external chamber seal the entire 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 sealed external chamber 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 EP 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/temperature:	max. 87 psi (600 kPa/6 bar) at 104 °F (40 °C) max. 43.5 psi (300 kPa/3 bar) at 140 °F (60 °C)
Differential pressure/temperature:	max. 43.5 psi (300 kPa/3 bar) at 104 °F (40 °C)
Filter area per sheet:	2.9 ft² (0.27 m²)

Materials

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

Type	Filter area		Cake volume*		Chassis size	Filter plates/ cake frames	Depth filter sheets 20.1 x 24.8 in (512 x 630.5 mm)	Weight	
	ft ²	(m ²)	gal	(l)				qty.	qty.
600 SF	75.6	(7.02)	14.0	(53)	1	12/13	26	2,976	(1,350)
with 0.79"	133.7	(12.42)	24.6	(93)	2	21/22	46	3,307	(1,500)
(20 mm)	191.8	(17.82)	35.4	(134)	3	32/33	66	3,693	(1,675)
cake frames	32.3	(27.00)	53.4	(202)	4	49/50	100	4,321	(1,960)
600 ASF	64.0	(5.94)	19.6	(74)	1	10/11	22	2,921	(1,325)
with 1.18"	110.4	(10.26)	33.1	(128)	2	18/19	38	3,285	(1,490)
(30 mm)	162.75	(15.12)	50.0	(189)	3	27/28	56	3,660	(1,660)
cake frames	244.1	(22.68)	74.8	(283)	4	41/42	84	4,277	(1,940)
600 ASF	52.3	(4.86)	22.5	(85)	1	8/ 9	18	2,943	(1,335)
with 1.57"	98.8	(9.18)	42.5	(161)	2	16/17	34	3,307	(1,500)
(40 mm)	139.5	(12.96)	60.0	(227)	3	23/24	48	3,638	(1,650)
cake frames	209.3	(19.44)	89.8	(340)	4	31/32	72	4,101	(1,860)
600 ASF	40.7	(3.78)	29.6	(103)	1	6/ 7	14	2,932	(1,330)
with 2.36"	75.6	(7.02)	55.0	(193)	2	12/13	26	3,263	(1,480)
(60 mm)	110.4	(10.26)	80.3	(282)	3	18/19	38	3,594	(1,630)
cake frames	162.8	(15.12)	118.4	(415)	4	27/28	56	4,145	(1,880)

* usable cake volume

Filter Plates/Cake Frames

	Width		Cake volume*		Weight	
	in (mm)	gal	(l)	lb	(kg)	
Initial/ end plate	1.02 (26)			19.9	(9.0)	
Filter plate	1.02 (26)			17.6	(8.0)	
Cake frame	0.79 (20)	1.07	(4.05)	6.6	(3.0)	
Cake frame	1.18 (30)	1.78	(6.75)	9.9	(4.5)	
Cake frame	1.57 (40)	2.50	(9.45)	13.2	(6.0)	
Cake frame	2.36 (60)	3.92	(14.85)	19.9	(9.0)	

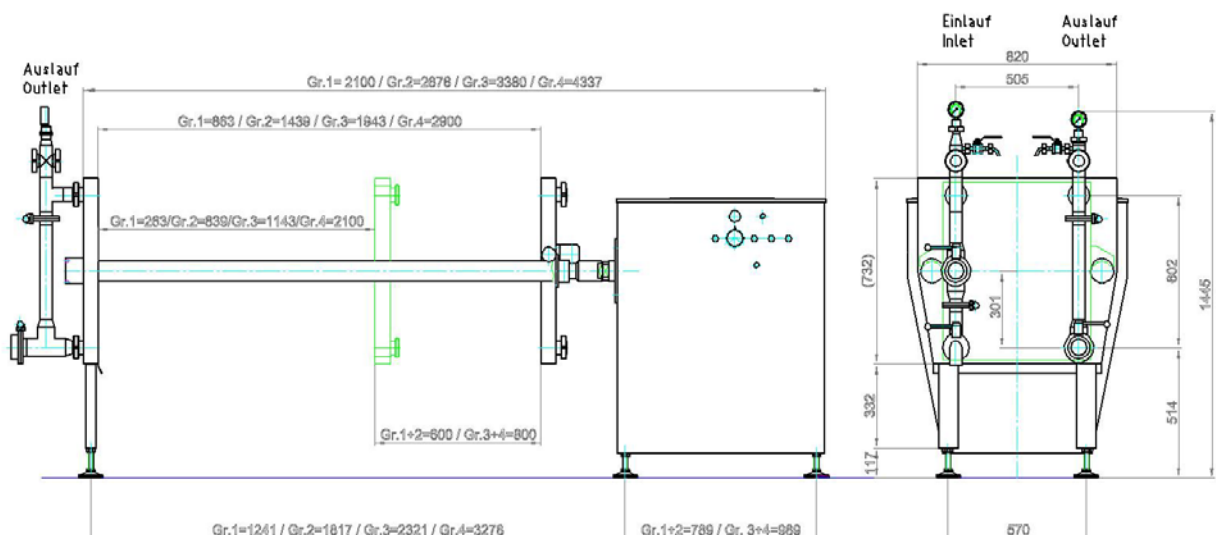
* usable cake volume

Connections

Filter inlet:	TC 11/2" ISO2852/ASME BSP
Filter outlet:	TC 11/2" ISO2852/ASME BSP
External chamber:	TC 11/2" ISO2852/ASME BSP

Other Connections

Threaded connections according to DIN 1151/11864



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