

Enclosed Plate and Frame Filter BECO INTEGRA® PLATE 600 OEP



CIP Sheet Filtration System with Stainless Steel Chassis and Plastic Filter Elements without Gaskets

BECO INTEGRA PLATE 600 OEP enclosed plate and frame filter from Eaton's Begerow Product Line is the depth filtration system for critical filtration tasks in the pharmaceutical and biotech, and plasma fractionation.

A seal-free filter package and an additional external chamber feature a surface sealing without gaskets during CIP.

Special Features

- Compressing the elements effectively seals the filter package during CIP without depth filter sheets.
- The circular **external chamber** guarantees safe cleaning across the entire sheet area and allows temperature control of the filter package.
- **Complete drainage** of filter due to unique filter plate design.
- **High safety** during CIP thanks to a circular sealing surface with major sealing force and an automatic hydraulic pressure control.
- **Easy handling** and **good cleanability** thanks to ergonomic design.
- **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 plates in different widths are available.
- BECO INTEGRA PLATE 600 OEP 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 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:	2.9 ft² (0.27 m²)

Materials

Product contacting parts:	Polypropylene/ Stainless steel AISI 316L
Other parts:	Stainless steel AISI 304
Gaskets for fittings:	Silicone, alternatively EPDM, 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/ASF with 0.8" (20 mm) cake frames	75.6	(7.02)	14.0	(53)	1	12/13	26	2,976	(1,350)
	133.7	(12.42)	24.6	(93)	2	21/22	44	3,307	(1,500)
	191.8	(17.82)	35.4	(134)	3	32/33	66	3,693	(1,675)
	32.3	(27.00)	53.4	(202)	4	49/50	100	4,321	(1,960)
600 ASF with 1.2" (30 mm) cake frames	64.0	(5.94)	19.6	(74)	1	10/11	22	2,921	(1,325)
	110.4	(10.26)	33.1	(128)	2	18/19	38	3,285	(1,490)
	168.6	(15.66)	50.0	(189)	3	27/28	56	3,660	(1,660)
	244.1	(22.68)	74.8	(283)	4	41/42	84	4,277	(1,940)
600 ASF with 1.6" (40 mm) cake frames	52.3	(4.86)	22.5	(85)	1	8/ 9	18	2,943	(1,335)
	98.8	(9.18)	42.5	(161)	2	16/17	34	3,307	(1,500)
	139.5	(12.96)	60.0	(227)	3	23/24	48	3,638	(1,650)
	209.3	(19.44)	89.8	(340)	4	31/32	64	4,101	(1,860)
600 ASF with 2.4" (60 mm) cake frames	40.7	(3.78)	29.6	(112)	1	6/ 7	14	2,932	(1,330)
	75.6	(7.02)	55.0	(208)	2	12/13	26	3,263	(1,480)
	110.4	(10.26)	80.3	(304)	3	18/19	38	3,594	(1,630)
	162.8	(15.12)	118.4	(448)	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)

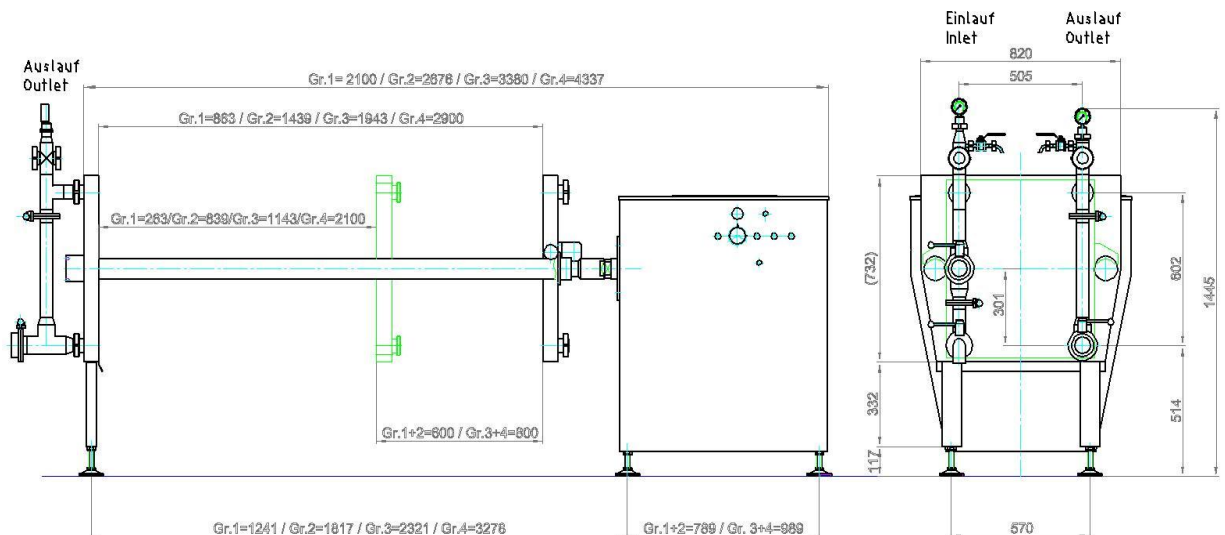
* usable cake volume

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



North America - HQ

44 Apple Street,
Tinton Falls, NJ 07724
Toll Free: 800 656-3344
(North America Only)
Voice: +1 732 212-4700

Europe/Africa/Middle East

Auf der Heide 2
53947 Nettersheim, Germany
Voice: +49 2486 809-0

Internormen Product Line

Friedensstraße 41
68804 Altlusheim, Germany
Voice: +49 6205 2094-0

Begerow Product Line

An den Nahewiesen 24
55450 Langenlonsheim, Germany
Voice: +49 6704 204-0

Brazil

Av. Julia Gaioli, 474 - Bonsucesso
07251-500 - Guarulhos
Brazil
Voice: +55 11 2465 8822

China

No. 7 Lane 280 Linhong Road,
Changning District,
Shanghai 200335, China
Voice: +86 21 5200 0422

Singapore

4 Loyang Lane #04-01/02
Singapore 508914
Voice: +65 6825 1668

For more information, please e-mail us at filtration@eaton.com or visit us online at eaton.com/filtration for a complete list of Eaton's filtration products.

Not all products in Eaton's Begerow Product Line are available in all regions. Please contact your local Eaton office to determine availability.

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