

Enclosed Plate and Frame Filter BECO INTEGRA® PLATE A400 DC

Stainless Steel

BECO INTEGRA PLATE A400 DC enclosed plate and frame filter is the depth filtration system for critical filtration tasks in the pharmaceutical and biotech, chemical, cosmetics, and food industries.

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 A400 DC filter is designed and manufactured according to the **cGMP guidelines** and the **FDA regulation**.

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

Technical Data

Operating pressure:	max. 87 psi (600 kPa/6 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:	1.3 ft ² (0.12 m ²)



Materials

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



Powering Business Worldwide

Type	Filter area		Cake volume*		Chassis size	Filter plates/ cake frames qty	Depth filter sheets 14.7 x 15.9 in (373 x 404 mm) qty	Weight	
	ft ²	(m ²)	gal	(l)				≈ lb	(kg)
A400 SF	43.9	(4.08)	-	-	1	16/17	34	1,312	(595)
	77.5	(7.20)	-	-	2	29/30	60	1,642	(745)
	129.2	(12.00)	-	-	3	49/50	100	2,128	(965)
A400 ASF with 0.39" (10 mm) cake frames	43.9	(4.08)	2.6	(10)	1	16/17	34	1,288	(584)
	77.5	(7.20)	4.8	(18)	2	29/30	60	1,596	(724)
	129.2	(12.00)	7.9	(30)	3	49/50	100	2,050	(930)
A400 ASF With 0.71" (18 mm) cake frames	33.6	(3.12)	5.3	(20)	1	12/13	26	1,301	(590)
	59.4	(5.52)	9.3	(35)	2	22/23	46	1,627	(738)
	95.6	(8.88)	14.8	(56)	3	36/37	74	2,061	(935)
A400 ASF with 0.98" (25 mm) cake frames	25.8	(2.40)	6.3	(24)	1	9/10	20	1,272	(577)
	49.1	(4.56)	12.2	(46)	2	18/19	38	1,618	(734)
	80.1	(7.44)	20.0	(74)	3	30/31	62	2,066	(937)
A400 ASF with 1.57" (40 mm) cake frames	18.1	(1.68)	7.7	(29)	1	6/ 7	14	1,268	(575)
	36.2	(3.36)	15.6	(59)	2	13/14	28	1,642	(745)
	59.4	(5.52)	25.6	(97)	3	22/23	46	2,112	(958)

* usable cake volume

Filter Plates/Cake Frames

	Width		Cake volume*		Weight	
	in	(mm)	gal	(l)	lb	(kg)
Filter plate	0.39	(10)	-	-	11.0	(5.0)
Feeding plate	0.39	(10)	-	-	11.0	(5.0)
Cake frame	0.39	(10)	0.16	(0.60)	9.5	(4.3)
Cake frame	0.71	(18)	0.40	(1.50)	17.0	(7.7)
Cake frame	0.98	(25)	0.63	(2.40)	22.5	(10.2)
Cake frame	1.57	(40)	1.11	(4.20)	36.2	(16.4)

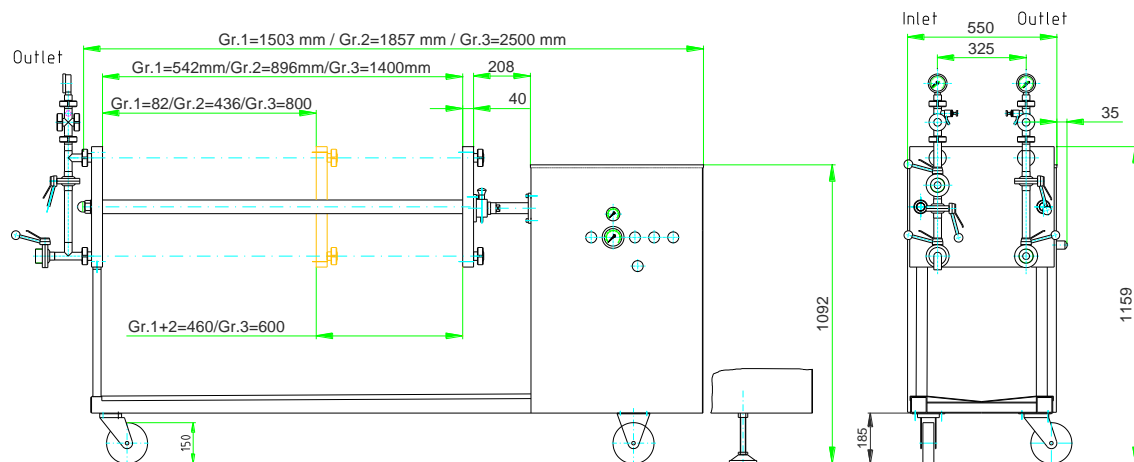
* usable cake volume

Connections

Filter inlet:	DN 25, DIN 11851/ISO 1"
Filter outlet:	DN 25, DIN 11851/ISO 1"

Other Designs

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



North America

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

Europe/Africa/Middle East

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

Friedensstraße 41
68804 Altlußheim, Germany
Tel: +49 6205 2094-0

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

China

No. 3, Lane 280,
Linhong Road
Changning District, 200335
Shanghai, P.R. China
Tel: +86 21 5200-0099

Singapore

100G Pasir Panjang Road #07-08
Singapore 118523
Tel: +65 6825-1668

Brazil

Rua Clark, 2061 - Macuco
13279-400 - Valinhos, Brazil
Tel: +55 11 3616-8400

**For more information, please
email us at filtration@eaton.com
or visit www.eaton.com/filtration**

EN
1 A 2.6.11.5
03-2019

© 2019 Eaton. All rights reserved. All trademarks and registered trademarks are the property of their respective owners. All information and recommendations appearing in this brochure concerning the use of products described herein are based on tests believed to be reliable. However, it is the user's responsibility to determine the suitability for his own use of such products. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Eaton as to the effects of such use or the results to be obtained. Eaton assumes no liability arising out of the use by others of such products. Nor is the information herein to be construed as absolutely complete, since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.



Powering Business Worldwide