

Stacked Disc Cartridge Housing BECO INTEGRA® DISC MB Range

Enclosed Stacked Disc Cartridge Housing in Food and Beverages Design

The BECO INTEGRA DISC MB stacked disc cartridge housing is an enclosed depth filtration system which can be used from coarse filtration to microbial removal filtration of liquids in the food and beverage industries.

Special Features

- Easy handling and good cleanability thanks to ergonomic design
- High chemical resistance due to the use of quality stainless steel materials, AISI 316L
- Quick and simple replacement of the empty stacked disc cartridges
- Low capital costs with relatively large filter areas and simple integration into existing processes
- Variable application options using different stacked disc cartridges with flat adapter or double O-ring adapter. Variable column heights allow for adaptable filter area
- Small footprint due to compact design and thus easy integration into existing filtration processes
- ATEX certified

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

Technical Data

Operating pressure / temperature liquids/gases:	max. 116 psi (800 kPa/8 bar) at -4 to +104 °F (-20 °C to +40 °C) max. 58 psi (400kPa/4 bar) at max. 302 °F (150 °C)
Product contacting parts:	Stainless steel AISI 316L
Other Parts:	Stainless steel AISI 304
Surface:	Ra < 0.8 µm
Fluid group:	2
Design:	EN 13445
Acceptance:	DGRL 2014/68/EU
ATEX classification:	II 2 GD IIC



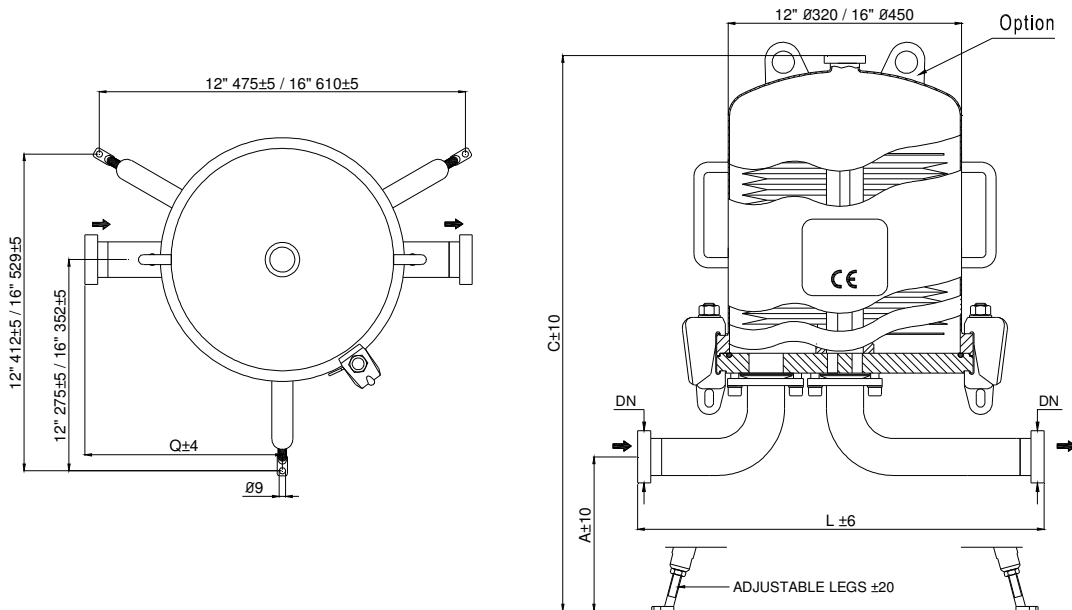
Gaskets/O-rings:	Silicone (EPDM, Viton available upon request)
Housing closure:	Clamp screws 12": 5 screws / 16": 8 screws
Filter inlet/outlet:	DN 50, DIN 11851 (2") (alternatives as TC or flange upon request)
Vent connection:	TC 1,5" (ASME BPE)
Drain connection:	None (available upon request)
Fittings:	Vent and drain units available upon request



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Type	Filter area*	Number and size of stacked disc cartridges	Dimensions	Vessel capacity	Article no.	Weight
	ft ² (m ²)		A x C x Q x L			
12"/1F	20.45 (1,9)	1 x 12"	13.6 x 38.2 x 12.4 x 22.6 345 x 970 x 315 x 575	8.45 (32)	MB120850	97 (44)
12"/2F	40.90 (3,8)	2 x 12"	13.6 x 48.8 x 12.4 x 22.6 345 x 1240 x 315 x 575	14.00 (53)	MB220850	111 (50)
12"/3F	61.35 (5,7)	3 x 12"	13.6 x 59.9 x 12.4 x 22.6 345 x 1520 x 315 x 575	19.55 (74)	MB320850	128 (58)
12"/4F	81.81 (7,6)	4 x 12"	13.6 x 71.7 x 12.4 x 22.6 345 x 1820 x 315 x 575	25.36 (96)	MB420850	139 (63)
16"/1F	39.83 (3,7)	1 x 16"	13.6 x 38.6 x 14.0 x 26.6 345 x 980 x 355 x 675	16.64 (63)	MB140850	166 (75)
16"/2F	79.65 (7,4)	2 x 16"	13.6 x 49.2 x 14.0 x 26.6 345 x 1250 x 355 x 675	27.74 (105)	MB240850	190 (86)
16"/3F	119.48 (11,1)	3 x 16"	13.6 x 61 x 14.0 x 26.6 345 x 1550 x 355 x 675	38.83 (147)	MB340850	219 (99)
16"/4F	159.31 (14,8)	4 x 16"	13.6 x 72.8 x 14.0 x 26.6 345 x 1850 x 355 x 675	50.46 (191)	MB440850	245 (111)

* if stacked disc cartridges with 16 cells are used



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