

Stacked Disc Cartridge Housing BECO INTEGRA® DISC 6S



Enclosed Stacked Disc Cartridge Housing in Food and Beverages Design

BECO INTEGRA DISC stacked disc cartridge housing from Eaton's Begerow Product Line is an enclosed depth filtration system for clarification and sterile filtration of liquids in the food and beverage industries.

Special Features

- **High chemical resistance** due to the use of quality stainless steel materials, AISI 316 L / AISI 316 Ti.
- **Easy handling** and **good cleanability** thanks to ergonomic design.
- 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.

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



Technical Data

Operating pressure liquids:	max. 87 psi (600 kPa/6 bar)
Operating pressure gas:	max. 7 psi (50 kPa/0.5 bar)
Operation temperature:	max. 248 °F (120 °C)

Connections

Filter inlet/outlet:	DN 50, DIN 11851 (2")
Filter vent:	DN 40, DIN 11851 (1½")

Materials

Parts in contact with product:	Stainless steel AISI 316L
Other Parts:	Stainless steel 304
Gaskets/O-rings:	Silicone, EPDM, Viton

Type	Filter area*	Number and size of stacked disc cartridges	Dimensions	Vessel capacity	Article no.	Weight
	ft ² (m ²)		A x B x C			gal (l)
			in (mm)			
12"/1F/6S	20.5 (1.9)	1 x 12"	15.75 x 12.80 x 30.51 (400 x 325 x 775)	6.60 (25)	M0120650	88.2 (40)
12"/2F/6S	40.9 (3.8)	2 x 12"	15.75 x 12.80 x 42.72 (400 x 325 x 1,085)	13.21 (50)	M0220650	132.3 (60)
12"/3F/6S	61.4 (5.7)	3 x 12"	15.75 x 12.80 x 52.56 (400 x 325 x 1,335)	19.81 (75)	M0320650	176.4 (80)
12"/4F/6S	81.8 (7.6)	4 x 12"	15.75 x 12.80 x 63.58 (400 x 325 x 1,615)	26.42 (100)	M0420650	220.5 (100)
16"/1F/6S	39.8 (3.7)	1 x 16"	20.47 x 17.72 x 32.76 (520 x 450 x 832)	17.17 (65)	M0140650	110.2 (50)
16"/2F/6S	79.7 (7.4)	2 x 16"	20.47 x 17.72 x 43.78 (520 x 450 x 1,112)	27.74 (105)	M0240650	154.3 (70)
16"/3F/6S	119.5 (11.1)	3 x 16"	20.47 x 17.72 x 53.62 (520 x 450 x 1,362)	38.31 (145)	M0340650	198.4 (90)
16"/4F/5S**	159.3 (14.8)	4 x 16"	20.47 x 17.72 x 64.65 (520 x 450 x 1,642)	50.72 (192)	M0440650	242.5 (110)

* if stacked disc cartridges with 16 cells are used

** max. working overpressure 72.5 psi (500 kPa/5 bar)

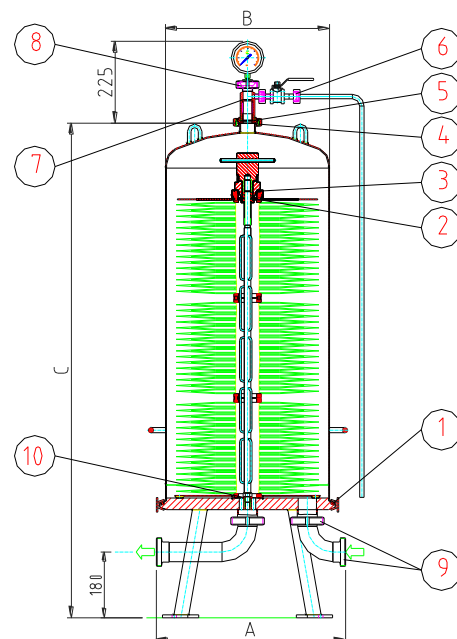
Pos.	Type	Description	Components		
			EPDM	Silicone	Viton
1	12"	O-ring	MAE 12 E12	MAE 12 S12	MAE 12 V12
1	16"	O-ring	MGE 20 E16	MGE 20 S16	MGE 20 V16
2	12"+16"	O-ring	P88 00 104	P88 00 403	531 06 509
3	12"+16"	Flat gasket	MAE 07 E12	MDE 26 S12	MDE 26 V12
4	12"+16"	Gasket DIN 11851-G 40	500 00 403	500 00 402	500 00 404
5	12"+16"	Flat gasket	P88 00 801	P88 00 802	P88 00 803
6	12"+16"	Gasket DIN 11851-G 10	500 00 103	500 00 102	500 00 104
7	12"+16"	Flat gasket	P88 00 804	P88 00 805	P88 00 806
8	12"+16"	Gasket DIN 11851-G 25	500 00 253	500 00 252	500 00 254
9	12"+16"	Gasket DIN 11851-G 50	500 00 503	500 00 502	500 00 504
10	12"+16"	Flat gasket PTFE	MAE 11 S12 (PTFE)	MAE 11 S12 (PTFE)	MAE 11 S12 (PTFE)

Acceptance

Pressure test incl. Manufacturer's Certificate, design according to DGRL 97/23/EC, art. 3 par. 3 and the present AD-2000 regulations, classification as fluid group 2 (beverages)

Other connections

Flange according to DIN 2633/ISO or e.g., tri-clamp on request



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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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