

## Stacked Disc Cartridge Housing BECO INTEGRA® DISC 12"/.../10I

### Enclosed Stacked Disc Cartridge Housing in Industrial Design

BECO INTEGRA DISC stacked disc cartridge housing is an enclosed depth filtration system for clarification and sterile filtration of liquids for a multitude of filtration tasks.

#### Special Features

- High corrosion resistance thanks to the use of stainless steel AISI 316L
- Easy handling and good cleanability thanks to ergonomic design
- Low capital costs with relatively large filter areas and easy integration into existing processes
- Variable application options using various BECODISC® stacked disc cartridges from Eaton's wide selection. 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

<b>Operating pressure liquids and gases:</b>	max. 145 psi (1,000 kPa/10 bar)
<b>Operation temperature:</b>	max. 284 °F (140 °C)

#### Materials

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

#### Connections

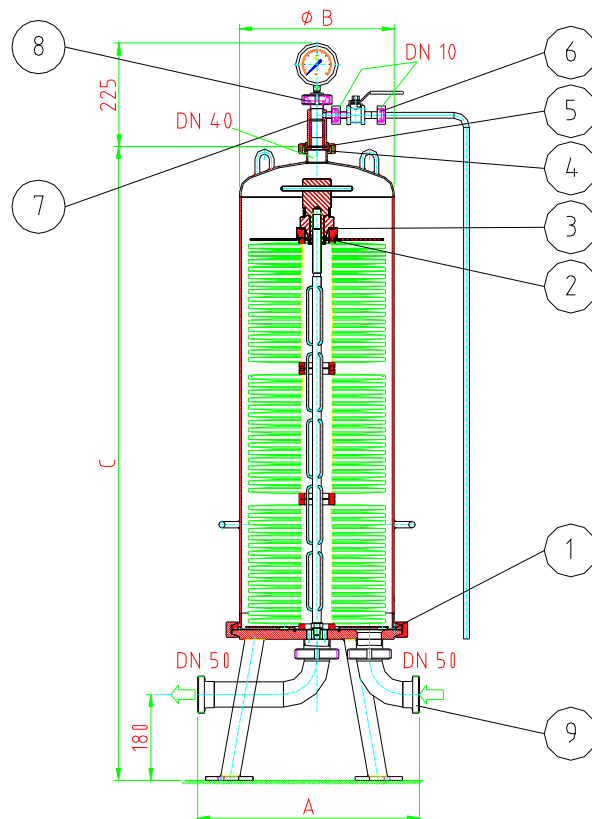
<b>Filter inlet/outlet:</b>	DN 50, DIN 11851
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Acceptance according to the Pressure Equipment Directive PED 2014/68/EC (AD-2000 regulations), classification as fluid group 1, liquids and gases.

Type	Filter area*	Number and size of stacked disc cartridges	Dimensions A x B x C	Vessel capacity	Article no.	Weight
	ft <sup>2</sup> (m <sup>2</sup> )		in (mm)	gal (l)		≈ lb (kg)
12"/1F/10l	20.5 (1.9)	1 x 12"	16.4 x 12.8 x 30.5 (416 x 324 x 774)	6.6 (25)	MI121050	99.2 (45)
12"/2F/10l	40.9 (3.8)	2 x 12"	16.4 x 12.8 x 41.5 (416 x 324 x 1054)	13.2 (50)	MI221050	143.3 (65)
12"/3F/10l	61.4 (5.7)	3 x 12"	16.4 x 12.8 x 52.3 (416 x 324 x 1329)	19.8 (75)	MI321050	187.4 (85)
12"/4F/10l	81.8 (7.6)	4 x 12"	16.4 x 12.8 x 63.2 (416 x 324 x 1604)	26.4 (100)	MI421050	231.5 (105)

\* if stacked disc cartridges with 16 cells are used

Pos.	Description	Components		
		EPDM	Silicone	Viton
1	O-ring	P88 00 102	P88 00 404	P88 00 501
2	O-ring	P88 00 104	P88 00 403	P88 00 503
3	Flat gasket	MAE 07 E12	MDE 26 S12	MDE 26 V12
4	Gasket DIN 11851 – G 40	500 00 403	500 00 402	500 00 404
5	Flat gasket	P88 00 801	P88 00 802	P88 00 803
6	Gasket DIN 11851 – G 10	500 00 103	500 00 102	500 00 104
7	Flat gasket	P88 00 804	P88 00 805	P88 00 806
8	Gasket DIN 11851 – G 25	500 00 253	500 00 252	500 00 254
9	Gasket DIN 11851 – G 50	500 00 503	500 00 502	500 00 504
10	O-ring	P88 00 102	P88 00 404	P88 00 501





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