

BETA FILTER HOUSING

BÈTA
industrie

FILTER CARTRIDGES
CUSTOM MADE

Since many years BÈTA Industrie b.v. offers a full line custom made cartridge filter housings. Our team of engineers and constructors is ready to propose the best process and mechanical design for your filtration. We don't compromise on quality and take into consideration all necessary requirements including safety, operator exposure, operational costs, 0% by-pass, customer specifications and all applicable codes and regulations.



FEATURES & BENEFITS

- DESIGN ACCORDING EN13445, ASME, AD2000, BS5500 AND OTHER UPON REQUEST
- COMPLIANCE WITH PED 2014/68EU AND ATEX
- LID CLOSURE WITH O-RING OR FLAT GASKETS (SPIRAL WOUND)
- STUD BOLTS, RATHMAN SWING BOLTS AND QUICK CLOSURES
- WIDE RANGE OF MATERIALS AVAILABLE: STAINLESS STEEL, CARBON STEEL, DUPLEX, SUPERDUPLEX, HASTELLOY
- LINING AS AN OPTION; A.O. HALAR, PFA, ETFE
- WILL FIT MOST STANDARD FILTER CARTRIDGES
- DIAMETERS 4" – 48" (1 PCS FILTER CARTRIDGES UP TO 172 PCS)
- FILTER CARTRIDGES 10"-60", DOE AND SOE
- PRESSURES UP TO 200 BARG
- FLOW OUTSIDE TO IN, SPECIAL DESIGNS POSSIBLE
- NOZZLE ORIENTATION ON CUSTOMER DEMAND
- GASKETS SPIRAL WOUND, FLAT GASKETS, O-RING, SPECIAL SEALINGS
- NOBO IF REQUESTED; TÜV, LLOYDS, DNV, OPTION U-STAMP
- MECHANICALLY POLISHED VERSIONS UPON REQUEST

APPLICATIONS

DESALINATION

WATER TREATMENT

FINE CHEMICAL

PETROCHEMICAL

OIL & GAS

FOOD & BEVERAGE

POWER GENERATION

PAINT AND RESINS

HYDRAULIC

STEEL MILL

GENERAL INDUSTRY

BÈTA INDUSTRIE SPECIALIST IN PROCESS SPECIFIC APPLICATIONS

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TECHNICAL DATA

CONSTRUCTION MATERIALS

Body:

- Carbon steel
- 304 SS
- 316 SS
- Duplex SS
- Other materials available

Cartridges Fastening:

- Other materials available

GASKETS:

- Spiralwound
- Klingersil
- Silicone
- Buna-N
- Viton
- PTFE

IN/OUT:

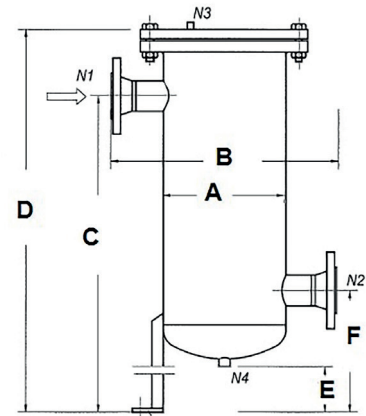
- Up to 24"

FLOW RATE:

- Up to 1700 m³/h

ACCESSOIRES:

- Differential pressure gauge
- Differential pressure switch
- Vent valve
- Drain Valve
- Pressure safety valve



DIMENSIONAL DATA

Housing	Cartridges	NPS	A (mm)	B	C	D	E	F	Volume (l)	Weight (kg)	N1/N2 (INCH)	N1/N2 (DN)	Indicative Flow rate (m ³ /h) max.
BCFH1-40-25	1 x 40"	4"	114	214	750	1991	350	475	18	20	1	25	4
BCFH3-40-50	3 x 40"	6"	168	368	800	2016	350	500	37	41	2	50	15
BCFH3-40-50	5 x 40"	8"	219	419	800	2016	350	500	60	68	2	50	15
BCFH3-40-65	7 x 40"	10"	273	533	830	2031	350	515	88	98	2,5	65	25
BCFH10-40-80	10 x 40"	12"	323	483	860	2046	350	530	128	144	3	80	38
BCFH12-40-80	12 x 40"	12"	323	483	860	2046	350	530	128	144	3	80	38
BCFH15-40-100	15 x 40"	14"	355	555	900	2066	350	550	149	168	4	100	59
BCFH18-40-150	22 x 40"	16"	406	706	1000	2116	350	600	182	205	6	150	133
BCFH24-40-150	24 x 40"	18"	457	757	1000	2116	350	600	223	250	6	150	133
BCFH34-40-200	34 x 40"	20"	508	908	1100	2166	350	650	255	315	8	200	237
BCFH38-40-200	38 x 40"	22"	558	958	1100	2166	350	650	295	401	8	200	237
BCFH50-40-250	50 x 40"	24"	609	1109	1200	2216	350	700	322	482	10	250	370
BCFH55-40-300	55 x 40"	26"	660	1260	1300	2266	350	750	344	566	12	300	533
BCFH70-40-300	70 x 40"	28"	711	1311	1300	2266	350	750	379	686	12	300	533
BCFH76-40-350	76 x 40"	30"	762	1462	1400	2316	350	800	389	775	14	350	725
BCFH92-40-400	92 x 40"	32"	812	1612	1500	2366	350	850	390	855	16	400	947
BCFH102-40-400	102 x 40"	34"	863	1663	1500	2366	350	850	411	990	16	400	947
BCFH120-40-400	120 x 40"	36"	914	1714	1500	2366	350	850	428	1030	16	400	947

ORDERING INFORMATION

BCFH-010-4	Cartridge length	Nozzle size	Material	Bolting	Extra code
003	40	25	W	B	XXXX
Cartridge quantity	10 - 10"	25 - DN 25 (1")	CS - Carbon steel	R - Rathmann	Unique number indicating any project requirements (nozzle orientation, design code, etc).
001 - 1 pcs	20 - 20"	50 - DN50 (2")	304 - AISI 304	S - Swing bolts	
003 - 3 pcs	30 - 30"	65 - DN65 (2½")	316 - AISI 316	B - Stud bolts	
...	40 - 40"	80 - DN80 (3")	...	Q - Quick closure	
120 - 120 pcs					