

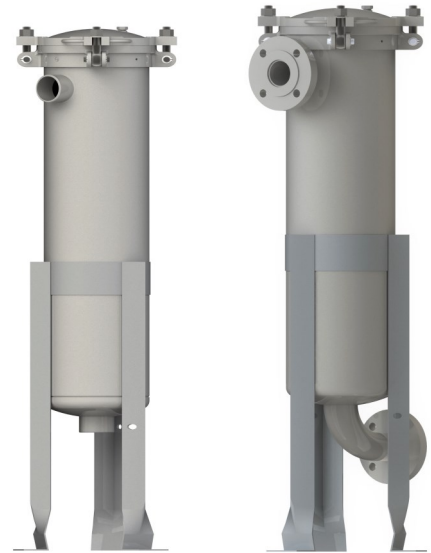
BTC

Single bag filter housing

Housing filter bag designed to remove high concentrations of solid particles present in the fluids.

BTC housing fits a wide range of filter bags; BEAFELT, BEAFINE and BEAMESH are available in different materials and filtration rating.

Swing eye bolts allow quick opening and closing of the housing for inspection and bag substitution.



Features

- Threaded and flanged inlet/outlet connections.
- Stainless steel restrainer baskets.
- Suitable for fluids of group 1 and 2 in accordance with (EC) No 1272/2008 classification

Materials

Housing: AISI 316L stainless steel
Eye-bolt closures: AISI 304 stainless steel
Gasket: Viton (standard)

Surface finishing

Inside: pickled and passivated
Outside: brushed

Design and construction

According to PED and ATEX Directives

Certification

UE Declaration of conformity and user guide.

| Model | IN-OUT Connections | Bag filter size | * Flow rate MAX l/min | Weight Kg. | Volume L | Vent |
|-----------------|--------------------|-----------------|-----------------------|------------|----------|------|
| BTC-F50-101-V-S | 2" BSP F | 01 | 320 | 26 | 17 | 1/4" |
| BTC-F50-102-V-S | 2" BSP F | 02 | 420 | 30 | 28 | |
| BTC-F80-102-V-S | 3" BSP F | 02 | 650 | 32 | 28 | |
| BTC-U50-101-V-S | DN 50-EN 1092 | 01 | 320 | 32 | 18 | |
| BTC-U50-102-V-S | DN 50-EN 1092 | 02 | 420 | 36 | 29 | |
| BTC-U80-102-V-S | DN 80-EN 1092 | 02 | 650 | 40 | 31 | |

* maximum recommended flow rate with water, pressure drop 0.1 bar

| Model | Nominal dimensions (mm) | | | | | |
|-----------------|-------------------------|-------------|-----|------------|-----------|-----|
| | Fig | A | B | C | D | E |
| BTC-F50-101-V-S | 1 | 845 ÷ 1095 | 105 | 540 ÷ 790 | 200 ÷ 450 | 135 |
| BTC-F50-102-V-S | | 1185 ÷ 1435 | 105 | 894 ÷ 1294 | 200 ÷ 450 | 135 |
| BTC-F80-102-V-S | | 1185 ÷ 1435 | 105 | 894 ÷ 1294 | 200 ÷ 450 | 135 |
| BTC-U50-101-V-S | 2 | 845 ÷ 1095 | 105 | 540 ÷ 790 | 200 ÷ 400 | 180 |
| BTC-U50-102-V-S | | 1245 ÷ 1445 | 105 | 894 ÷ 1294 | 200 ÷ 400 | 180 |
| BTC-U80-102-V-S | | 1245 ÷ 1445 | 105 | 894 ÷ 1294 | 200 ÷ 400 | 180 |

Selection table for ordering

| Serie | IN—OUT Connections | No. of bags | Bag filter size Ø x H | Gasket material | Finishing |
|------------|---------------------------|-------------|-----------------------|-----------------|---|
| BTC | F50 2" BSP F | 1 | 01 184x419 mm | V Viton | S Inside: pickled and passivated Outside: brushed |
| | F80 3" BSP F | | 02 184x813 mm | E EPDM | |
| | U50 DN50 EN 1092-1 | | | | |
| | U80 DN80 EN 1092-1 | | | | |

Example code to order

| | | | | | | | | |
|------------|---|------------|---|------------|---|----------|---|----------|
| BTC | - | F50 | - | 102 | - | V | - | S |
|------------|---|------------|---|------------|---|----------|---|----------|

Operating limits

| Fluid state | PED & ATEX Conformity | | |
|---------------------------------|------------------------------------|-------------------------------|---------------------------|
| Liquid & Gas Temp. max 120°C | Fluid group | PED Category | ATEX |
| 10 barg | 1 (dangerous) 2 (non dangerous) | Bag filter size 01 Cat.II | II 2G Ex h IIC T160°C Gb |
| | | Bag filter size 02 Cat.III | II 2D Ex h IIIC T160°C Db |

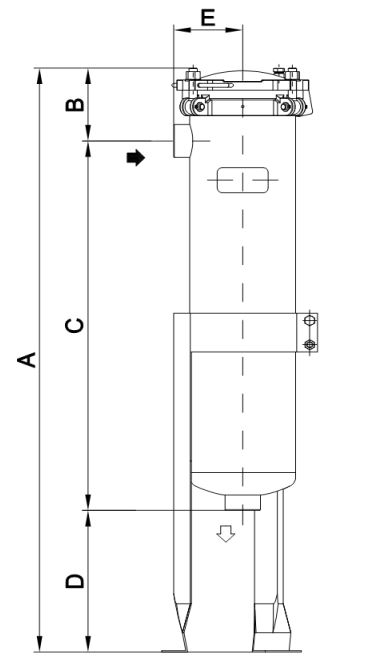


Fig.1

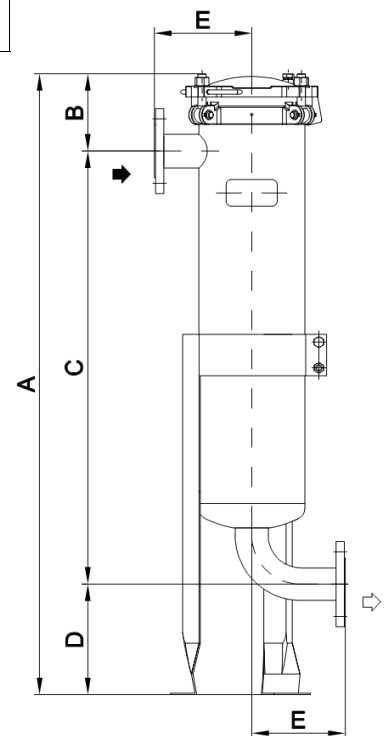


Fig.2

Data contained in this bulletin are informative and subject to change without notice.

User is responsible for determining whether the product is fit for particular purpose and suitable for User's method of application.



Bea Technologies Spa Via Newton, 4 - 20016 Pero (Milano) ITALY
 Tel +39 02 339271 FAX +39 02 3390713 e-mail: info@bea-italy.com
 web: www.bea-italy.com