

# SECUROX® BF

## FILTER CARTRIDGE HOUSING

For particle and final filtration of beer after precoat filters



### Characteristics

The SECUROX® BF is a high precision stainless steel filter housing for filter cartridges, designed and manufactured especially for the brewing industry.

The enclosed system allows high capacity filtration with no drip loss. Its unique two chamber design allows an efficient cleaning of the cartridges at the end of the filtration cycle.

### Applications

SECUROX BF series filters are especially designed to be integrated within automated beer filtration lines. Their construction guarantees long service life of both filter media and equipment for heavy duty use in a industrial 24/7 operation. The technology is designed for high service life of filter media and equipment.

Its high filtration performance, top manufacturing quality and comprehensive set of certificates meet the high standards of the brewing industry.

### Advantages of the SECUROX®BF – cartridge system

- 2 chamber-system for optimised cleaning procedure
- vertical construction
- small volume of unit
- adaptable to desired performance with possibility to

- add filter area
- short regeneration and sterilization cycles
- easy replacement of the cartridges
- perforated plate to accommodate standard filter cartridges with bayonet adapter and double o-ring
- also available as compact, movable system. Custom design versions for the pre-, final and sterile filtration



Closing mechanism with swing bolts.

### FILTRIX quality assurance

FILTRIX ensures the best quality control according to international standards:

- ISO 9001, ISO 14001
- Pressure vessel certificates DGR 97/23/EG Art. 3 Abs. 3
- AD-2000
- Manufacturing according to good engineering practice
- FILTRIX employs only certified welders and all pressure vessel welds are X-rayed

### Certificates and special documentation

As a standard, we provide the following documentations upon request.

- FDA certificate
- EU guideline 89/392/EWG
- Material certificate 2.2 or 3.1 B (only for material in direct contact with the product)
- Surface roughness (< 0.8 µm[ra])

### Optional certificates

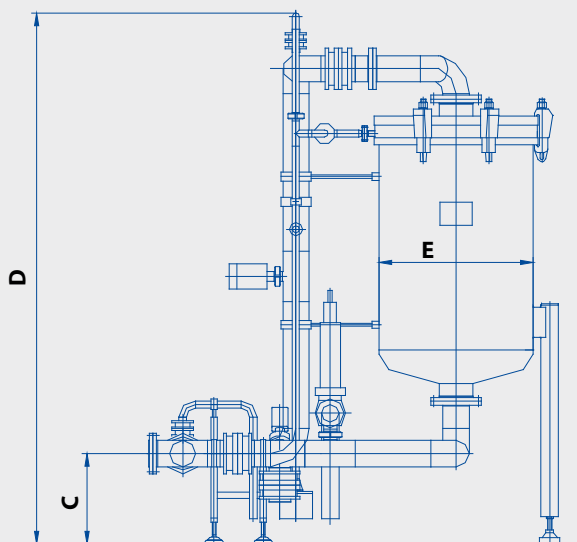
Optionally we can provide the following certificates:

- ASME (U-Stamp)
- Guideline AtEx 94/9/EG
- Pressure vessel guideline DGr 97/23/EG
- Ferrite measurements
- Welder certificate

### Options

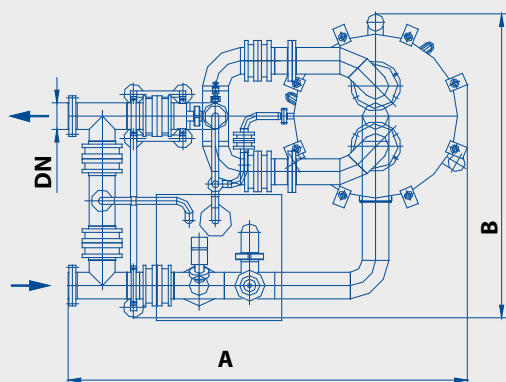
The typical setup requires gauges and valves, as well as a check valve. SECUROX® BF is available in many options:

- Connections can be triclamp (sanitary), or dairy (DIN).
- Gaskets: EPDM (standard), silicone, viton® or teflon® encapsuled

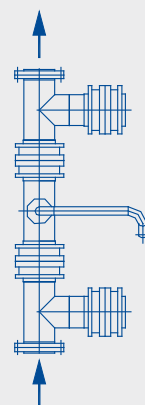


Inlet and Outlet connections

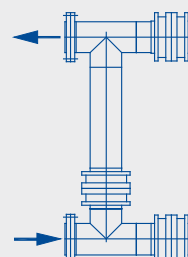
**Variation A**



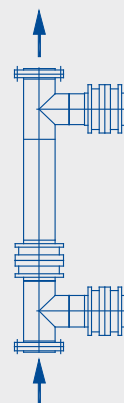
**Variation B**



**Variation C**



**Variation D**



**Technical data, Var. A**

SECUROX® BF	30 / 10	40 / 14	40 / 20	60 / 32	60 / 46	
Max. operating pressure	7	7	7	7	7	bar
Max. operating temperature	100	100	100	100	100	°C
Volume of filter - without pipe system	70	152	152	275	275	l
Weight of perforated plate - with cartridges	40	56	56	103	103	kg
Number of cartridges	10	14	20	32	46	pcs
Material quality filter	316 L	316 L	316 L	316 L	316 L	
Material quality gaskets	EPDM	EPDM	EPDM	EPDM	EPDM	
Material quality pipe system, valves, etc.	1.4301	1.4301	1.4301	1.4301	1.4301	
Option 316L						
A	1190	1430	1430	1825	1825	mm
B	910	1130	1130	1450	1450	mm
C	360	360	360	360	360	mm
D	1840	1955	1955	2110	2110	mm
E	324	450	450	610	610	mm
DN	65	65 / 80 / 100		100 / 125		mm