SECUROX® ST

FILTER CARTRIDGE HOUSING

For food and industrial applications

FILTROX
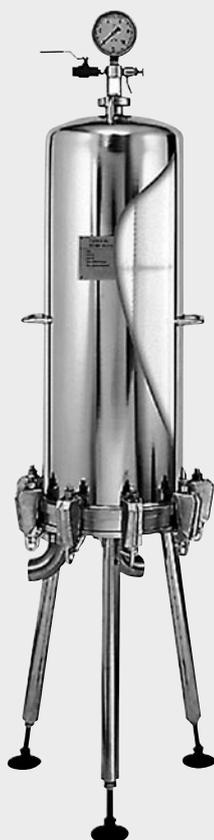
– adaptable to desired performance with
  possibility to add filter area
– short period of time for regeneration and sterilisation
– integrity test for cartridges (sterile filtration)
– easy replacement of the cartridges
– base plate to accomodate standard filter cartridges with
  bayonet adapter and double O-ring
– Also available as compact, movable system. Custom design
  versions for the pre-, final and sterile filtration

Closing mechanism

Closing mechanism with swing bolts.

FILTROX quality assurance
FILTROX assures the best quality control according to international
standards:
– ISO 9001 (Quality management)

Characteristics
The SECUROX® is a high precision stainless steel filter housing for
filter cartridges, designed and manufactured for heavy duty use –
24/7.
The enclosed system allows high capacity filtration with no drip
loss (no edge leaking).

Applications
SECUROX® series filters are made for a broad field of solid liquid se-
paration applications. The technology is designed for high service
life of filter media and equipment.
Its high filtration performance, top manufacturing quality and com-
prehensive set of certificates meet the high standards of sensitive
applications such as:
– Wine, beer
– Fruit juices, cider
– Spirits, destillates, liquors
– Water, mineral water
– Sugar sirup
– Herbal extracts
– Enzymes
– Cosmetics

Advantages of the SECUROX® – cartridge system
– vertical construction
– smaller volume of the unit

Certificates and special documentation
Typically for pharmaceutical or near pharmaceutical applications
we provide the following documents on 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
Optional 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® is available in many options:
– Connections can be triclamp (sanitary), or dairy (DIN).
– Gaskets: EPDM (standard), silicone, viton® or teflon® encapsuled

Standard variations:

Variation A
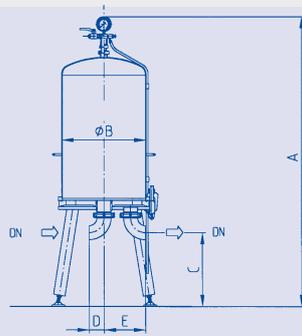
Material of housing: 1.4571 (AISI 316 TI)

Air vent assembly	
Product inlet:	tub bend 90°
	Thread up to 5/3, others tub bend 90°
Product outlet:	Thread up to 5/3, others tub bend 90°

Variation B
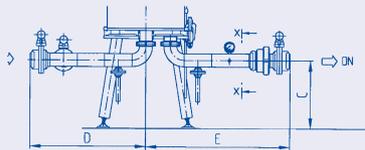
Air vent assembly	
Product inlet:	Butterfly valve (product)
	Butterfly valve (water)
	Drainage valve
Product outlet:	Drainage valve
	Pressure gauge
	Sample cock
	Non-return valve
	Butterfly valve

Variation C
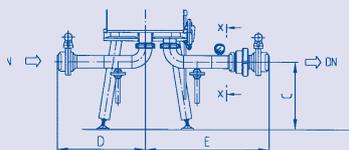
Air vent assembly	
Product inlet:	Butterfly valve
	Drainage valve
Product outlet:	Drainage valve
	Pressure gauge
	Non-return valve

SECUROX®	A	B	C	D		E	Pipe system diameter DN
1/1	930	104	600	**Variation**			25
1/3	1760	104	600	A	133	121	25
				B	330	440	
				C	215	360	
3/3	1820	178	600	A	210	210	40
				B	425	575	
				C	425	500	
5/3	1840	219	600	A	250	250	50
				B	550	640	
				C	485	600	
30/8	1700	306	450	A	90	250	50
				B	570	590	
				C	430	510	
40/12	1700	406	450	A	90	250	50
				B	630	700	
				C	490	620	
40/16	1700	406	450	A	90	250	50
				B	760	950	
				C	560	820	
50/24	1700	508	450	A	90	250	80
				B	760	950	
				C	560	820	
60/36	1700	609	450	A	90	250	100
				B	800	950	
				C	600	820	

Technical data:

SECUROX®	1 / 3	3 / 3	5 / 3	30 / 8	40 / 12	50 / 24	60 / 36	
Operating pressure	10	10	10	10	10	10	10	Bar
Operating temperature	140	140	140	140	140	140	140	°C
Capacity	6.6	17	30	59	108	169	251	L
Weight (empty) var. A	7	19	27	65	90	180	191	kg
Weight (full)	14	26	57	125	200	350	442	kg
floor loading per foot	5	12	20	50	70	120	150	kg

33.8513.00913 Ms/bpr