

Sterile Filters FT-PSF

Permanent operational safety, economically and environmentally friendly

The revolutionary segment filter system is the economical and safe solution to filtration requests in the food- and beverage industry as well as in the chemical-, pharmaceutical or electronic industry.



The all metal design of stainless steel prevents bursting or a collapse of the filter candle from pressure shocks, vibration or hot steam sterilization, as with traditional simple filter candles. The filter membranes guarantee a one hundred per cent sterile filtration, even to the most stringent standards. The sandwich construction provides an individual adaptation of performance in all areas of filtration of gases or liquids.

A reduction of the operational filtration costs (up to 70%) and a simplification of the spare part stock are the result of the interchangeability of the filter membranes.

Endurance tests by independent and neutral institutes have shown that the sterile filters for more than 150 sterilization cycles performed without any claim! The filter media membranes also act as a seal between the stainless steel segments in the sandwich design of the filter. The direction of flow can thus be reversed without any problems. Changing the filter media is a simple and quick operation.

New filtration technology for all ranges of filtration

The segment filter system **enables** an absolutely safe filtration in all ranges of gas-, air-, compressed air-, steam- and liquid filtration.

The economical kit system

The filter media, easy and simple replaceable by the user, reduces the operational costs compared to conventional filter candles up to 70 %. An additional advantage is the essential simplification of the spare part stock.

The great filtration range

The filter material is available with retention rates from 0,2 to 300 micron. Mainly used is a chemical resistant material like teflon, polysulfone and stainless steel.

Sterilization

Sterile filters can be sterilized in-line with hot steam up to 150 times.

Highest operational safety

The filter components made solely of stainless steel 1.4301 or 1.4571 in Germany.

Guarantee

5-years material warranty for all stainless steel filter components.

Operation control / check up

Used filter membranes can be tested by the user for analysis of withhold particles.

Filter housings

All filter housings of the standard series like PSF and PDF (except 602 –606) have 2 drain ports at the filter housing bottom, which can be used for primary/secondary condensate draining, resp. for sample collection.



Filters PSF

Filter membranes

Model	Flow		Connection G/DIN 11851 Milkpipe	Connection BSP / R"	Element Type SF	Part no.	Model	Quantity	Part no.
	nom.	max.							
	(m ³ /h)	(m ³ /h)							
602 FT-PSF	40	60	15	1/2	60/02	9000600	EM-60/3T	2	9000624
604 FT-PSF	80	120	15	1/2	60/04	9000601	EM-60/3T	4	9000624
606 FT-PSF	120	180	15	1/2	60/06	9000602	EM-60/3T	6	9000624
6002 FT-PSF	40	60	15	1/2	60/02	9000603	EM-60/3T	2	9000624
6004 FT-PSF	80	120	15	1/2	60/04	9000604	EM-60/3T	4	9000624
6006 FT-PSF	120	180	15	1/2	60/06	9000605	EM-60/3T	6	9000624
8202 FT-PSF	120	180	25	1	82/02	9000606	EM-82/3T	2	9000630
8204 FT-PSF	240	360	25	1	82/04	9000607	EM-82/3T	4	9000630
8206 FT-PSF	360	540	40	1 1/2	82/06	9000608	EM-82/3T	6	9000630
8208 FT-PSF	480	720	40	1 1/2	82/08	9000609	EM-82/3T	8	9000630
8210 FT-PSF	600	900	40	1 1/2	82/10	9000610	EM-82/3T	10	9000630
1008 FT-PSF	680	1020	50	2	100/08	9000611	EM-100/3T	8	9000637
1010 FT-PSF	850	1275	50	2	100/10	9000612	EM-100/3T	10	9000637
1012 FT-PSF	1020	1530	50	2	100/12	9000613	EM-100/3T	12	9000637
1014 FT-PSF	1190	1785	50	2	100/14	9000614	EM-100/3T	14	9000637
1408 FT-PSF	1360	2040	50	2	140/08	9000615	EM-140/3T	8	9000638
1410 FT-PSF	1700	2250	50	2	140/10	9000616	EM-140/3T	10	9000638
1412 FT-PSF	2040	3060	50	2	140/12	9000617	EM-140/3T	12	9000638
1414 FT-PSF	2380	3570	65	2 1/2	140/14	9000618	EM-140/3T	14	9000638
1416 FT-PSF	2720	4080	65	2 1/2	140/16	9000619	EM-140/3T	16	9000638
1418 FT-PSF	3060	4590	65	2 1/2	140/18	9000620	EM-140/3T	18	9000638
1420 FT-PSF	3400	5100	80	3	140/20	9000621	EM-140/3T	20	9000638
1426 FT-PSF	4420	6630	80	3	140/26	9000622	EM-140/3T	26	9000638
1432 FT-PSF	5440	8160	80	3	140/32	9000623	EM-140/3T	32	9000638

Notes

Flow at 1 bar (a) and 20°C at 7 bar (g) working pressure
 Design pressure 10 / 16 bar (g)
 Material filter housings: stainless steel 1.4301

Recommended sterilization procedures

Saturated Steam: 20 minutes at 121°C
 Hot Air: 12 hours at 121°C

Pressure Stages

602 FT-PSF - 606 FT-PSF: 10 bar ü
 6002 FT-PSF - 1432 FT-PSF: 16 bar ü

- Technical details to change without notice -