



MICROPURE® FILTRATION

Sterile Filter Type PSF

PSF Sterile Filter is used for 100% contamination free filtration of air, compressed air, CO₂ and other gases.

Micropure Sterile Filters are equipped with the variable Ecofilter element and PTFE media.

Micropure Sterile Filter membranes are made of PTFE which have an extremely high pore distribution (95%) which allows for high through-put and very little pressure loss.

Micropure PTFE media are hydrophobic, so no bacteria growth is possible.

Micropure Sterile Filters make 100% reverse flow filtration possible. Standard equipment is a stainless steel glycerin filled pressure gauge and drain hole plugs. Micropure Sterile Filters are designed for upstream and downstream sampling as well as draining condensate.

Micropure Sterile Filters can be sterilized in place using steam up to 140°C for six minutes in both directions up to 150 times

Technical Data	Filter Capacity @		Housing Connections		Weight of unit		Replacement Media	Max. Pressure of Housing	
	7 bar Nm ³ /h	100 psig Scf/m	DN	in	Kgs	Lbs		Bar	psig
Filter Type									
PSF-0602	40	24	15	½	3.8	8	FMT-06-S20	16	232
PSF-0604	80	48	15	½	4	9	FMT-06-S20	16	232
PSF-0606	120	72	15	½	4.2	9	FMT-06-S20	16	232
PSF-0802	120	72	25	1	6.4	14	FMT-08-S20	16	232
PSF-0804	240	144	25	1	6.6	15	FMT-08-S20	16	232
PSF-0806	360	216	40	1 ½	6.8	15	FMT-08-S20	16	232
PSF-0808	480	288	40	1 ½	7.2	16	FMT-08-S20	16	232
PSF-0810	600	360	40	1 ½	7.4	16	FMT-08-S20	16	232
PSF-1008	680	408	50	2	13.4	30	FMT-10-S20	16	232
PSF-1010	850	510	50	2	13.8	30	FMT-10-S20	16	232
PSF-1012	1020	612	50	2	14.2	31	FMT-10-S20	16	232
PSF-1014	1190	714	50	2	14.6	32	FMT-10-S20	16	232
PSF-1408	1360	816	50	2	20	44	FMT-14-S20	16	232
PSF-1410	1700	1020	50	2	20.5	45	FMT-14-S20	16	232
PSF-1412	2040	1224	50	2	21.5	48	FMT-14-S20	16	232
PDF-1414	2380	1428	50	2	22.5	50	FMT-14-S20	16	232
PSF-1416	2720	1632	65	2 ½	24.5	54	FMT-14-S20	16	232
PSF-1418	3060	1836	65	2 ½	25.5	556	FMT-14-S20	16	232
PSF-1420	3400	2040	80	3	26.5	58	FMT-14-S20	16	232
PSF-1426	4420	2652	80	3	28	62	FMT-14-S20	16	232
PSF-1432	5440	3264	80	3	29.5	65	FMT-14-S20	16	232

Working Pressure	Bar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	PSI	15	30	45	58	72	87	100	115	130	145	160	174	189	203	217	232
Conversion Factor		.25	.38	.5	.65	.75	.88	1	1.13	1.25	1.38	1.5	1.6	1.75	1.88	2.0	2.13

Filter housing Material: Stainless steel aisi 304

Filter Element Material: Stainless steel aisi 304

Material Warranty: 5 years except membranes

Retaining rate of media: .02 micron (nominal)

.2micron (absolute)

Recommended sterilization procedures

Saturated steam: 20 minutes at 121°C

10 minutes at 130°C

6 minutes at 140°C

Hot air:

12 hours at 121°C