

HAFFMANS CPM[®]-PFF LIQUID FILTER

GENERAL PRODUCT INFORMATION

CPM liquid filters feature an innovative design that offers significant advantages over traditional filter cartridges used in food, beverage, and other process applications. Each CPM filter is rigorously tested to ensure exceptional performance, delivering maximum reliability, extended service life, and cost-effective operation.

Effective liquid filtration, to prevent contamination, spoilage and product loss, is an essential part of your production process. In addition, it serves as protection for the liquid line instruments and valves.

The CPM liquid filter, type PFF, is a validated liquid filter for up to 100 percent particle-free filtration of water. Equipped with the patented, flexible Ecofilter element, consisting of filter membranes in between segmented stainless steel disks, the PFF offers the highest filtration efficiency and security.

The PFF's filter membranes are made of woven stainless steel threads that assure absolute filtration. CPM liquid filter membranes can be supplied in a variety of pore sizes to meet your special requirements and allow for high flow capacities against very little pressure loss.

The innovative filter design makes up to 100 percent reverse flow filtration possible.

CPM liquid filters can be steam sterilized in situ up to 200 °C (392 °F).



CUSTOMER BENEFITS

- **Robust design:** Stainless steel segmented elements ensure long-lasting durability.
- **Quick maintenance:** Cost-effective filter membranes are easy to replace, minimizing downtime.
- **Lower costs:** Reduced inventory and waste cut both expenses and environmental impact.
- **Sustainable:** Only the membrane is replaced, reducing material waste.
- **CIP-compatible:** Clean-in-place design eliminates the need for disassembly.

APPLICATIONS

- Particle-free filtration of water for a wide range of industrial applications.

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ADVANCED MODULAR DESIGN

CPM liquid filters have the most advanced design of filters for liquid filtration on the market today. All CPM filters have been thoroughly tested and proven effective with the greatest reliability and longest life at an economical cost.

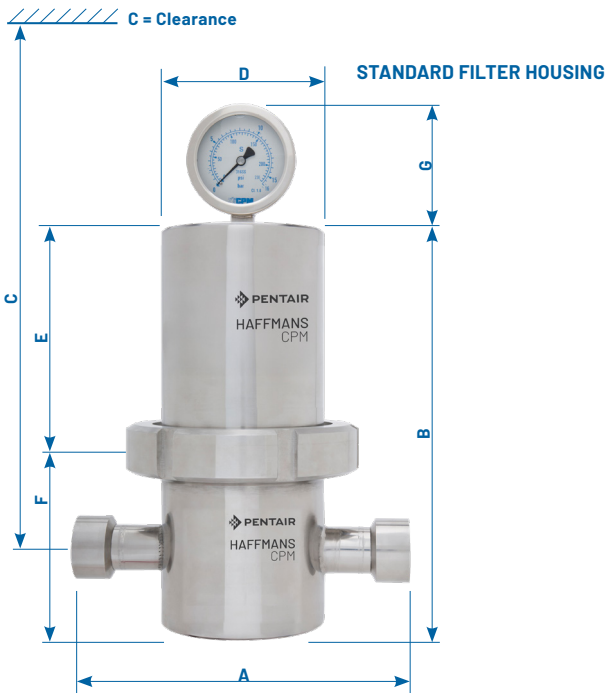
CPM liquid filters use an innovative membrane technology that allows for up to 100 percent particle-free filtration of water. The filter membranes are available in various sizes. Other pore sizes are dependent on availability.



STANDARD FILTER HOUSINGS

CPM[®] standard filter housings are designed for upstream and downstream sampling as well as in-line testing of the filter element with a suitable filter tester.

LIQUID FILTER TYPE, DIMENSIONS IN MM							
Type	A	B	C	D	E	F	G
6002	160	235	310	70	143	100	85
6004	160	235	330	70	143	100	85
6006	160	235	350	70	143	100	85
8202	210	248	320	104	143	115	85
8204	210	248	340	104	143	115	85
8206	210	248	360	104	143	115	85
8208	210	293	430	104	188	115	85
8210	210	293	450	104	188	115	85
1008	330	397	500	154	237	170	85
1010	330	397	520	154	237	170	85
1012	330	397	540	154	237	170	85
1014	330	397	560	154	237	170	85
1408	330	392	500	154	234	170	85
1410	330	392	520	154	234	170	85
1412	330	392	540	154	234	170	85
1414	330	455	610	154	234	185	85
1416	330	455	630	154	234	185	85
1418	330	508	710	154	335	185	85
1420	330	508	730	154	335	185	85
1426	330	657	940	154	484	185	85
1432	330	657	1000	154	484	185	85



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LIQUID FILTER

TECHNICAL DATA

Filter	Capacity clear water	Filter housing, connection		Weight		Segmented filter element	Replacement membranes		Filter housing, max. pressure	
Type	ΔP 0.2 bar	BSP	DIN-11851			Type	Quantity	Type		
	l/h	G	DN	kg	lbs				barg	psig
PFF-6002	60	½"	15	3.8	8	SF-60/02	2	EM-60/32S	20	290
PFF-6004	120	½"	15	4.0	9	SF-60/04	4	EM-60/32S	20	290
PFF-6006	180	½"	15	4.2	9	SF-60/06	6	EM-60/32S	20	290
PFF-8202	200	1"	25	6.4	14	SF-82/02	2	EM-82/32S	20	290
PFF-8204	400	1"	25	6.6	15	SF-82/04	4	EM-82/32S	20	290
PFF-8206	600	1½"	40	6.8	15	SF-82/06	6	EM-82/32S	20	290
PFF-8208	800	1½"	40	7.2	16	SF-82/08	8	EM-82/32S	20	290
PFF-8210	1000	1½"	40	7.4	16	SF-82/10	10	EM-82/32S	20	290
PFF-1008	1800	2"	50	14.4	32	SF-100/08	8	EM-100/32S	16	232
PFF-1010	2250	2"	50	13.8	30	SF-100/10	10	EM-100/32S	16	232
PFF-1012	2700	2"	50	14.2	31	SF-100/12	12	EM-100/32S	16	232
PFF-1014	3150	2"	50	14.6	32	SF-100/14	14	EM-100/32S	16	232
PFF-1408	4000	2"	50	20.0	44	SF-140/08	8	EM-140/32S	16	232
PFF-1410	5000	2"	50	20.5	45	SF-140/10	10	EM-140/32S	16	232
PFF-1412	6000	2"	50	21.5	47	SF-140/12	12	EM-140/32S	16	232
PFF-1414	7000	2½"	65	22.5	50	SF-140/14	14	EM-140/32S	16	232
PFF-1416	8000	2½"	65	24.5	54	SF-140/16	16	EM-140/32S	16	232
PFF-1418	9000	2½"	65	25.5	56	SF-140/18	18	EM-140/32S	16	232
PFF-1420	10000	3"	80	26.5	58	SF-140/20	20	EM-140/32S	16	232
PFF-1426	13000	3"	80	28.0	62	SF-140/26	26	EM-140/32S	16	232
PFF-1432	16000	3"	80	29.5	65	SF-140/32	32	EM-140/32S	16	232

Filter housing material: Stainless steel AISI 304
Segmented filter element material: Stainless steel AISI 304
Filter membrane material: Stainless steel AISI 304
Standard pore size: 32 µm

Pore sizes in µm	3	10	25	32	50	75/100
Conversion factor	0.5	0.6	0.8	1.0	1.5	2



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