

# HAFFMANS CPM®-PDF STEAM FILTER

## GENERAL PRODUCT INFORMATION

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

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

The PDF's filter membranes are made of woven stainless steel threads that assure absolute filtration. CPM steam 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.



## 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 steam filtration in all industries.

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## ADVANCED MODULAR DESIGN

CPM steam filters have the most advanced design of filters for steam 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 steam filters use an innovative membrane technology and allows for up to 100 percent particle-free steam filtration. The filter membranes are available in various sizes. Standard pore size delivered is 32 µm. Other pore sizes are dependent on availability.

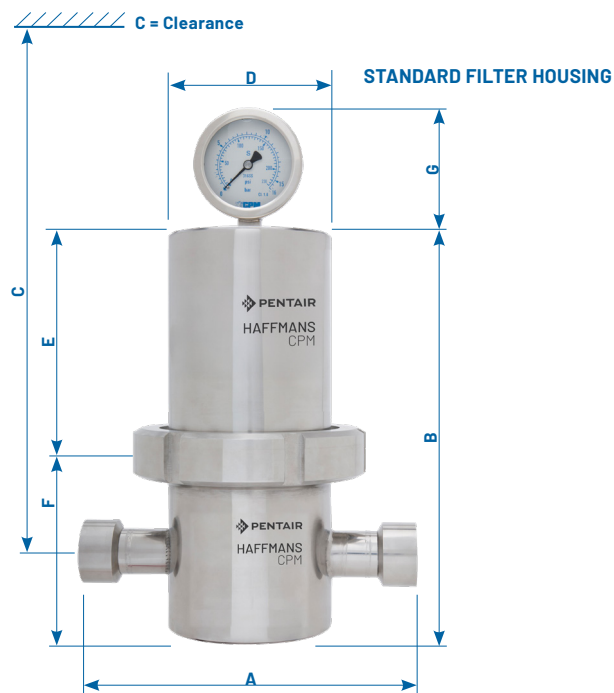


## STANDARD FILTER HOUSINGS

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.

STEAM 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



# HAFFMANS CPM®-PDF

## STEAM FILTER

### TECHNICAL DATA

Filter	Capacity steam 121°C		Filter housing, connection		Weight		Segmented filter element	Replacement membranes		Filter housing, max. pressure	
Type			BSP	DIN-11851			Type	Quantity	Type		
	kg/h	pds/m	G	DN	kg	lbs				barg	psig
PDF-6002	25	1	½"	15	3.8	8	SF-60/02	2	EM-60/32S	20	290
PDF-6004	50	2	½"	15	4.0	9	SF-60/04	4	EM-60/32S	20	290
PDF-6006	75	3	½"	15	4.2	9	SF-60/06	6	EM-60/32S	20	290
PDF-8202	90	4	1"	25	6.4	14	SF-82/02	2	EM-82/32S	20	290
PDF-8204	180	8	1"	25	6.6	15	SF-82/04	4	EM-82/32S	20	290
PDF-8206	270	11	1½"	40	6.8	15	SF-82/06	6	EM-82/32S	20	290
PDF-8208	360	13	1½"	40	7.2	16	SF-82/08	8	EM-82/32S	20	290
PDF-8210	450	16	1½"	40	7.4	16	SF-82/10	10	EM-82/32S	20	290
PDF-1008	500	20	2"	50	14.4	32	SF-100/08	8	EM-100/32S	16	232
PDF-1010	625	23	2"	50	13.8	30	SF-100/10	10	EM-100/32S	16	232
PDF-1012	750	30	2"	50	14.2	31	SF-100/12	12	EM-100/32S	16	232
PDF-1014	875	33	2"	50	14.6	32	SF-100/14	14	EM-100/32S	16	232
PDF-1408	1000	40	2"	50	20.0	44	SF-140/08	8	EM-140/32S	16	232
PDF-1410	1250	50	2"	50	20.5	45	SF-140/10	10	EM-140/32S	16	232
PDF-1412	1500	60	2"	50	21.5	47	SF-140/12	12	EM-140/32S	16	232
PDF-1414	1750	70	2½"	65	22.5	50	SF-140/14	14	EM-140/32S	16	232
PDF-1416	2000	80	2½"	65	24.5	54	SF-140/16	16	EM-140/32S	16	232
PDF-1418	2250	90	2½"	65	25.5	56	SF-140/18	18	EM-140/32S	16	232
PDF-1420	2500	100	3"	80	26.5	58	SF-140/20	20	EM-140/32S	16	232
PDF-1426	3250	130	3"	80	28.0	62	SF-140/26	26	EM-140/32S	16	232
PDF-1432	4000	160	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  
**Guaranteed retention rate:** 100% for specific pore size  
**Standard pore size:** 32 µm

Steam temperature	°C	121	140	160	180
Conversion factor		1.0	1.5	2	3

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



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