

HPF SERIES HIGH PRESS. STAINLESS STEEL PROCESS FILTERS

operating pressure	50 bar
volume flow rate	150 to 2400 Nm³/h
connections	1/2" to 3"
operating temp. range	up to 150 °C
material	stainless steel 1.4301

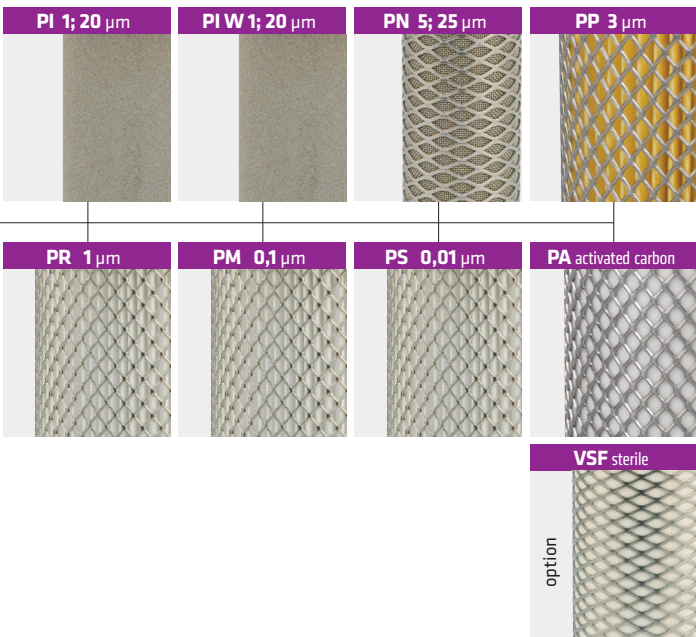
Housing material 1.4404 on request.
Fluid group 1 on request.

- ### APPLICATIONS
- packing industry
 - biotechnology
 - breweries
 - chemical industry
 - dairies
 - fermentation processes
 - food and beverage industry
 - pharmaceutical industry
 - hospitals

DESCRIPTION

HPF process filter housings are designed for applications in process industry, where the risk for corrosion of compressed air⁽¹⁾ system components is very high. To meet the required compressed air quality⁽²⁾ appropriate filter element must be installed into filter housing. HPF process filter housing can be used in variety of applications. For applications not listed please contact producer or your local distributor.

⁽¹⁾ For any other technical gas please contact producer or your local distributor.
⁽²⁾ For oil removal, coalescing filter element must be installed and flow direction inside-out must be provided. General arrangement is filter head on top and filter bowl on bottom.





TECHNICAL DATA									FILTER ELEMENTS								
Filter housing size	Pipe size	Oper. press.	Flow rate at 7 bar(g), 20 °C		Dimensions [mm]			Mass kg	PI prefilter	PIW prefilter	PN prefilter	PP prefilter	PR prefilter	PM microfilter	PS microfilter	PA activated carbon	
	inch		bar	Nm ³ /h	scfm	A	B		C	1; 20 µm	1; 20 µm	5; 25 µm	3 µm	1 µm	0,1 µm	0,01 µm	
HPF 010/50	1/2"	50	150	88	231	125	76,1	2,5	0420 PI	0420 PIW	0420 PN	0420 PP	0420 PR	0420 PM	0420 PS	0420 PA	
HPF 018/50	3/4"	50	225	132	253	125	76,1	2,6	0520 PI	0520 PIW	0520 PN	0520 PP	0520 PR	0520 PM	0520 PS	0520 PA	
HPF 030/50	1"	50	315	185	274	136	88,9	3,4	0525 PI	0525 PIW	0525 PN	0525 PP	0525 PR	0525 PM	0525 PS	0525 PA	
HPF 047/50	1 1/4"	50	420	247	336	155	88,9	3,9	0725 PI	0725 PIW	0725 PN	0725 PP	0725 PR	0725 PM	0725 PS	0725 PA	
HPF 070/50	1 1/2"	50	600	353	387	180	114,3	5,6	0730 PI	0730 PIW	0730 PN	0730 PP	0730 PR	0730 PM	0730 PS	0730 PA	
HPF 094/50	2"	50	900	530	453	180	114,3	6,2	1030 PI	1030 PIW	1030 PN	1030 PP	1030 PR	1030 PM	1030 PS	1030 PA	
HPF 150/50	2"	50	1260	742	580	180	114,3	6,9	1530 PI	1530 PIW	1530 PN	1530 PP	1530 PR	1530 PM	1530 PS	1530 PA	
HPF 200/50	3"	50	2400	1413	1005	224	139,7	14,1	1030 PI	3030 PIW	3030 PN	3030 PP	3030 PR	3030 PM	3030 PS	3030 PA	
									quality class - solids (ISO 8573-1)	-	-	-	6	3	2	1	1 ¹⁾
									quality class - oils (ISO 8573-1)	-	-	-	-	-	2	1	1
									pressure drop - new element-dry [mbar]	≤2600; ≤60	≤2600; ≤60	10	10	20	50	80	60
									filter media	sintered INOX 1.4404	sintered INOX 1.4404	stainless steel mesh 1.4301	acrylic fibres, cellulose		borosilicate micro fibres		borosilicate micro fibres, activ. carbon
									pleated version	-	-	-	✓	✓	✓	✓	-
									wrapped version	-	-	✓	-	-	-	-	✓
									sintered version	✓	✓	-	-	-	-	-	-
									min. operating temperature (°C / °F)	0 / 32	0 / 32	0 / 32	1,5 / 35	1,5 / 35	1,5 / 35	1,5 / 35	1,5 / 35
max. operating temperature (°C / °F)	150 / 302	150 / 302	150 / 302	65 / 149	120 / 248	120 / 248	120 / 248	45 / 113									

CORRECTION FACTORS					
Operating pressure [bar]	7	20	30	40	50
Operating pressure [psi]	100	290	435	580	725
Correction factor	1	2,63	3,88	5,13	6,38

¹⁾ Valid if "S" filter cartridge is installed upstream.