

WFIT SERIES WELDED STAINLESS STEEL FILTERS - THREADED

operating pressure	16 (12) bar
volume flow rate	75 to 3600 Nm³/h
connections	1/4" 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.

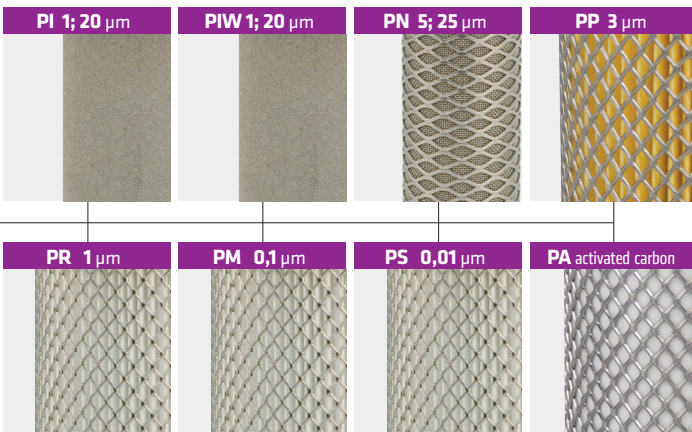
APPLICATIONS

- biotechnology
- breweries
- chemical industry
- petrochemical industry
- dairies
- fermentation processes
- pharmaceutical industry
- hospitals

DESCRIPTION

WFIT welded stainless steel filter housings with threaded connections have been developed for filtration of compressed air as well as many other gasses where the risk for corrosion is very high or where stainless steel housing is required.

To meet the required gas quality appropriate filter element must be installed into filter housing.



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TECHNICAL DATA										FILTER ELEMENTS							
Filter housing size	Pipe size	Oper. press.	Flow rate at 7 bar(g), 20°C		Dimensions [mm]				Mass	PI prefilter 1; 20 µm	PIW prefilter 1; 20 µm	PN prefilter 5; 25 µm	PP prefilter 3 µm	PR prefilter 1 µm	PM microfilter 0,1 µm	PS microfilter 0,01 µm	PA activated carbon
	inch		bar	Nm³/h	scfm	A	B	C									
WFIT 005	1/4"	16	75	44	202	116	76,1	1/2"	1,9	0310 PI	0310 PIW	0310 PN	0310 PP	0310 PR	0310 PM	0310 PS	0310 PA
WFIT 007	3/8"	16	105	62	232	120	76,1	1/2"	2,2	0410 PI	0410 PIW	0410 PN	0410 PP	0410 PR	0410 PM	0410 PS	0410 PA
WFIT 010	1/2"	16	150	88	230	125	76,1	1/2"	2,2	0420 PI	0420 PIW	0420 PN	0420 PP	0420 PR	0420 PM	0420 PS	0420 PA
WFIT 018	3/4"	16	225	132	254	125	76,1	1/2"	2,3	0520 PI	0520 PIW	0520 PN	0520 PP	0520 PR	0520 PM	0520 PS	0520 PA
WFIT 030	1"	16	315	185	275	136	88,9	1/2"	3,1	0525 PI	0525 PIW	0525 PN	0525 PP	0525 PR	0525 PM	0525 PS	0525 PA
WFIT 047	1 1/4"	16	420	247	337	155	88,9	1/2"	3,5	0725 PI	0725 PIW	0725 PN	0725 PP	0725 PR	0725 PM	0725 PS	0725 PA
WFIT 070	1 1/2"	16	600	353	386	180	114,3	1/2"	4,8	0730 PI	0730 PIW	0730 PN	0730 PP	0730 PR	0730 PM	0730 PS	0730 PA
WFIT 094	2"	16	900	530	457	180	114,3	1/2"	5,4	1030 PI	1030 PIW	1030 PN	1030 PP	1030 PR	1030 PM	1030 PS	1030 PA
WFIT 150	2"	16	1.260	742	583	180	114,3	1/2"	6,1	1530 PI	1530 PIW	1530 PN	1530 PP	1530 PR	1530 PM	1530 PS	1530 PA
WFIT 175	2 1/2"	16	1.680	989	740	224	139,7	1/2"	9,2	2030 PI	2030 PIW	2030 PN	2030 PP	2030 PR	2030 PM	2030 PS	2030 PA
WFIT 200	3"	12	2.400	1.413	1004	224	139,7	1/2"	11,5	3030 PI	3030 PIW	3030 PN	3030 PP	3030 PR	3030 PM	3030 PS	3030 PA
WFIT 240	3"	12	3.600	2.119	1029	252	168,3	1/2"	15,1	3050 PI	3050 PIW	3050 PN	3050 PP	3050 PR	3050 PM	3050 PS	3050 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]	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
Operating pressure [psi]	29	44	58	72	87	100	115	130	145	160	174	189	203	218	232		
Correction factor	0,38	0,50	0,63	0,75	0,88	1	1,13	1,25	1,38	1,50	1,63	1,75	1,88	2,00	2,13		

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