



# WFIF SERIES

## WELDED STAINLESS STEEL FILTERS - FLANGED CONNECTIONS

**14 bar**  
operating pressure

**150 to 21.120 Nm<sup>3</sup>/h**  
volume flow rate

**DN15 to DN200**  
connections

**up to +150 °C**  
operating temperature range

**stainless steel 1.4404**-standard  
**stainless steel 1.4301**-option  
material

### DESCRIPTION

WFIF welded stainless steel filter housings with flange connections have been specifically 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.

For list of suitable gasses please contact us or your local dealer.

WFIF process filter housing can be used in variety of applications. For applications not listed please contact us or your local dealer.

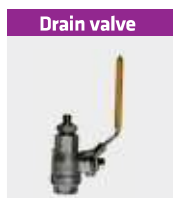
Fluid group 1 on request.

### APPLICATIONS

- General industrial applications
- Biotechnology
- Breweries
- Chemical industry
- Petrochemical industry
- Dairies
- Fermentation processes
- Pharmaceutical industry
- Hospitals



<b>PI</b>	<b>1; 20 µm</b>	<b>PIW</b>	<b>1; 20 µm</b>
<b>PN</b>	<b>5; 25 µm</b>	<b>PP</b>	<b>3 µm</b>
<b>PR</b>	<b>1 µm</b>	<b>PM</b>	<b>0,1 µm</b>
<b>PS</b>	<b>0,01 µm</b>	<b>PA</b>	<b>activated carbon</b>
<b>CKL-P separator</b>			





TECHNICAL DATA											FILTER ELEMENTS									
Filter housing size	Pipe size	Oper. press. bar/psi	Flow rate at 7 bar(g), 20 °C		Dimensions [mm]					Mass kg	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	CKL-P	
			Nm³/h	scfm	A	B	B*	C	E											
WFIF 010	DN15	14/203	150	88	230	195	217	76,1	1/2"	3,5	0420 PI	0420 PIW	0420 PN	0420 PP	0420 PR	0420 PM	0420 PS	0420 PA	0420 CKL-P	
WFIF 018	DN20	14/203	225	132	263	201	219	76,1	1/2"	4,3	0520 PI	0520 PIW	0520 PN	0520 PP	0520 PR	0520 PM	0520 PS	0520 PA	0520 CKL-P	
WFIF 030	DN25	14/203	315	185	279	216	244	88,9	1/2"	5,7	0525 PI	0525 PIW	0525 PN	0525 PP	0525 PR	0525 PM	0525 PS	0525 PA	0525 CKL-P	
WFIF 047	DN32	14/203	420	247	343	235	267	88,9	1/2"	6,6	0725 PI	0725 PIW	0725 PN	0725 PP	0725 PR	0725 PM	0725 PS	0725 PA	0725 CKL-P	
WFIF 070	DN40	14/203	600	353	391	260	290	114,3	1/2"	8,0	0730 PI	0730 PIW	0730 PN	0730 PP	0730 PR	0730 PM	0730 PS	0730 PA	0730 CKL-P	
WFIF 094	DN50	14/203	900	530	444	270	304	114,3	1/2"	9,8	1030 PI	1030 PIW	1030 PN	1030 PP	1030 PR	1030 PM	1030 PS	1030 PA	1030 CKL-P	
WFIF 150	DN50	14/203	1.260	742	571	270	304	114,3	1/2"	11,0	1530 PI	1530 PIW	1530 PN	1530 PP	1530 PR	1530 PM	1530 PS	1530 PA	1530 CKL-P	
WFIF 175	DN65	14/203	1.680	989	752	295	340	139,7	1/2"	14,2	2030 PI	2030 PIW	2030 PN	2030 PP	2030 PR	2030 PM	2030 PS	2030 PA	2030 CKL-P	
WFIF 200	DN80	14/203	2.400	1.413	978	306	340	139,7	1/2"	21,2	3030 PI	3030 PIW	3030 PN	3030 PP	3030 PR	3030 PM	3030 PS	3030 PA	3030 CKL-P	
WFIF 240	DN80	14/203	3.600	2.119	1041	332	368	168,3	1/2"	22,9	3050 PI	3050 PIW	3050 PN	3050 PP	3050 PR	3050 PM	3050 PS	3050 PA	3050 CKL-P	
WFIF 450	DN100	10/145	5.040	2.966	981	410	-	219,1	1"	55	3x2030 PI	3x2030 PIW	3x2030 PN	3x2030 PP	3x2030 PR	3x2030 PM	3x2030 PS	3x2030 PA	-	
WFIF 600	DN100	10/145	6.720	3.955	1288	410	456	219,1	1"	64	3x3030 PI	3x3030 PIW	3x3030 PN	3x3030 PP	3x3030 PR	3x3030 PM	3x3030 PS	3x3030 PA	-	
WFIF 900	DN150	10/145	9.600	5.650	1310	480	-	273,0	1"	87	4x3030 PI	4x3030 PIW	4x3030 PN	4x3030 PP	4x3030 PR	4x3030 PM	4x3030 PS	4x3030 PA	-	
WFIF 1200	DN150	10/145	13.440	7.910	1351	540	598	323,9	1"	110	6x3030 PI	6x3030 PIW	6x3030 PN	6x3030 PP	6x3030 PR	6x3030 PM	6x3030 PS	6x3030 PA	-	
WFIF 1800	DN200	10/145	17.280	10.171	1496	660	-	406,4	1"	200	8x3030 PI	8x3030 PIW	8x3030 PN	8x3030 PP	8x3030 PR	8x3030 PM	8x3030 PS	8x3030 PA	-	
WFIF 2000	DN200	10/145	21.120	12.431	1496	660	-	406,4	1"	200	10x3030 PI	10x3030 PIW	10x3030 PN	10x3030 PP	10x3030 PR	10x3030 PM	10x3030 PS	10x3030 PA	-	
											quality class - solids (ISO 8573-1)	-	-	-	6	3	2	1	1 <sup>1)</sup>	-
											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)	1,5 / 35	1,5 / 35	1,5 / 35	1,5 / 35	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	120 / 248

CORRECTION FACTORS													
Operating pressure [bar]	2	3	4	5	6	7	8	9	10	11	12	13	14
Operating pressure [psi]	29	44	58	72	87	100	115	130	145	160	174	189	203
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

<sup>1)</sup> Valid if "S" filter cartridge is installed upstream.  
 B = flange connection EN 1092-1/11 PN16  
 B\* = flange connection ANSI B16.5 WN CI 150