



16 (12, 10) bar
operating pressure

75 to 21120 Nm³/h
volume flow rate

Ø13 to Ø219,1
connections

up to +150°C
operating temperature range

stainless steel 1.4404-standard
stainless steel 1.4301-option
material

DESCRIPTION

WFIW welded stainless steel filter housings have been specifically developed for filtration of compressed air as well as many other gases (for list of suitable gasses please contact us or your local dealer) 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.

Fluid group 1 on request.

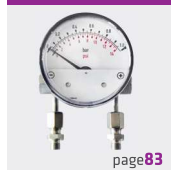
APPLICATIONS

- Biotechnology
- Breweries
- Chemical industry
- Petrochemical industry
- Dairies
- Fermentation processes
- Pharmaceutical industry
- Hospitals

WFIW SERIES

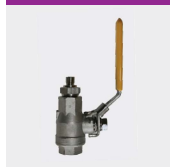
WELDED STAINLESS STEEL FILTERS - WELDING END CONNECTIONS

MDHI 50 KIT



PI	1; 20 µm	PIW	1; 20 µm
PN	5; 25 µm	PP	3 µm
PR	1 µm	PM	0,1 µm
PS	0,01 µm	PA	activated carbon

Drain valve



MCDI



page113

AOK 20SS



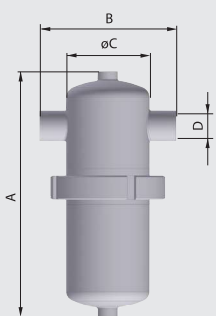
page108

TD16Mcr



page104



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	
	[ø, mm]		bar	Nm³/h	scfm	A	B	C										D
WFIW 005	13,5	16	75	44	202	116	76,1	1/2"	1,7	0310 PI	0310 PIW	0310 PN	0310 PP	0310 PR	0310 PM	0310 PS	0310 PA	
WFIW 010	14,2	16	150	88	230	125	76,1	1/2"	1,9	0420 PI	0420 PIW	0420 PN	0420 PP	0420 PR	0420 PM	0420 PS	0420 PA	
WFIW 018	21,3	16	225	132	254	125	76,1	1/2"	2,0	0520 PI	0520 PIW	0520 PN	0520 PP	0520 PR	0520 PM	0520 PS	0520 PA	
WFIW 030	26,9	16	315	185	275	136	88,9	1/2"	2,6	0525 PI	0525 PIW	0525 PN	0525 PP	0525 PR	0525 PM	0525-PS	0525 PA	
WFIW 047	33,7	16	420	247	337	155	88,9	1/2"	3,0	0725 PI	0725 PIW	0725 PN	0725 PP	0725 PR	0725 PM	0725 PS	0725 PA	
WFIW 070	48,3	16	600	353	386	180	114,3	1/2"	4,3	0730 PI	0730 PIW	0730 PN	0730 PP	0730 PR	0730 PM	0730 PS	0730 PA	
WFIW 094	60,3	16	900	530	457	180	114,3	1/2"	4,8	1030 PI	1030 PIW	1030 PN	1030 PP	1030 PR	1030 PM	1030 PS	1030 PA	
WFIW 150	60,3	16	1260	742	583	180	114,3	1/2"	5,3	1530 PI	1530 PIW	1530 PN	1530 PP	1530 PR	1530 PM	1530 PS	1530-PA	
WFIW 175	76,1	16	1680	989	740	224	139,7	1/2"	9,0	2030 PI	2030 PIW	2030 PN	2030 PP	2030 PR	2030 PM	2030 PS	2030 PA	
WFIW 200	88,9	12	2400	1413	1004	224	139,7	1/2"	10,8	3030 PI	3030 PIW	3030 PN	3030 PP	3030 PR	3030 PM	3030 PS	3030 PA	
WFIW 240	88,9	12	3600	2119	1029	252	168,3	1/2"	16,2	3050 PI	3050 PIW	3050 PN	3050 PP	3050 PR	3050 PM	3050 PS	3050 PA	
WFIW 450	114,3	10	5040	2966	986	410	219,1	1"	45	3x2030 PI	3x2030 PIW	3x2030 PN	3x2030 PP	3x2030 PR	3x2030 PM	3x2030 PS	3x2030 PA	
WFIW 600	114,3	10	6720	3955	1240	410	219,1	1"	46	3x3030 PI	3x3030 PIW	3x3030 PN	3x3030 PP	3x3030 PR	3x3030 PM	3x3030 PS	3x3030 PA	
WFIW 900	168,3	10	9600	5650	1311	480	273,0	1"	70	4x3030 PI	4x3030 PIW	4x3030 PN	4x3030 PP	4x3030 PR	4x3030 PM	4x3030 PS	4x3030 PA	
WFIW 1200	168,3	10	13440	7910	1351	540	323,9	1"	80	6x3030 PI	6x3030 PIW	6x3030 PN	6x3030 PP	6x3030 PR	6x3030 PM	6x3030 PS	6x3030 PA	
WFIW 1800	219,1	10	17280	10171	1496	660	406,4	1"	135	8x3030 PI	8x3030 PIW	8x3030 PN	8x3030 PP	8x3030 PR	8x3030 PM	8x3030 PS	8x3030 PA	
WFIW 2000	219,1	10	21120	12431	1496	660	406,4	1"	135	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 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)	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
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		

Replace filter element at least every 12 months or follow the instructions for specific filter element. Change the sealing when you disassemble filter housing. Once per year make a visual check of filter housing and make sure there is no visual damage.