W-FILTER

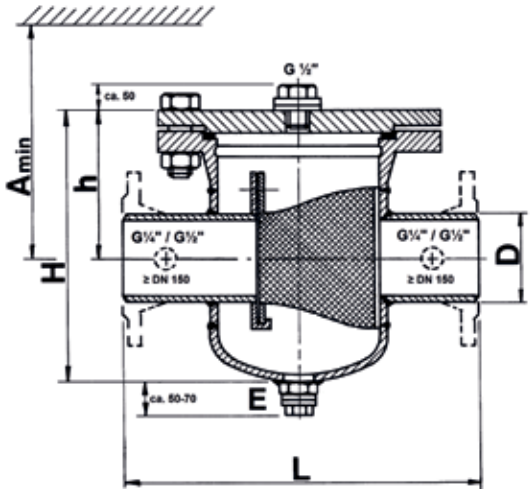
Filter Type W

Technical Data

Made in Germany

Filter Type W

≤ DN 500



DN	dimension [mm] 1)						weight [approx. kg]							
							Type SS (welded ends)					add. weight per flange		
	D	L	H	h	A_{min}	E[“]	PN 16	PN 25	PN40	PN 63	PN 100	PN 16	PN 25	PN 40
50	60,3	230	295	145	290	G 1/2	15	20		order specific 2)		2,5	2,9	
65	76,1	290	295	145	290	G 1/2	16	21				3,0	3,7	
80	88,9	310	335	160	320	G 1/2	24	31				3,9	4,8	
100	114,3	350	375	175	370	G 1/2	34	44				4,6	6,5	
125	139,7	400	460	210	450	G 1/2	56	69	80			6,3	8,9	
150	168,3	480	485	250	530	G 1/2	75	94	123			7,8	11,7	
200	219,1	600	550	285	680	G 1/2	105	138	189			11,5	17,1	21,0
250	273,0	730	625	315	750	G 3/4	165	215	277			16,7	24,3	34,2
300	323,9	850	720	360	880	G 3/4	244	310	430			22,1	31,8	47,6
350	355,6	980	805	400	980	G 3/4	312	399	483			32,8	48,8	69,3
400	406,4	1100	870	430	1100	G 1	424	510	624			41,1	63,3	98,0
450	457,0	1200	1005	500	1230	G 1	651	762	1072			50,6	76,0	105,0
500	508,0	1250	1005	500	1230	G 1	681	795	1124			75,3	97,0	130,0

sieve DN	**50**	**65**	**80**	**100**	**125**	**150**	**200**	**250**	**300**	**350**	**400**	**450**	**500**
F [cm^2]	155	155	250	360	620	1010	1520	1930	2600	3350	4450	5380	5380
ζ (Zeta) 3)	0.70	0.80	1.00	1.15	1.30	1.50	1.70	1.80	1.85	1.90	1.92	1.93	1.94
Kv	142	221	272	422	599	818	1288	1969	2788	3315	4266	5448	6699

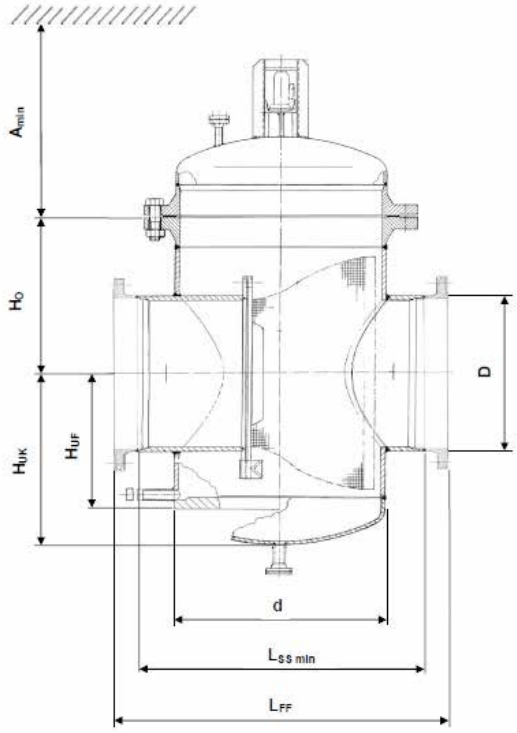
sieve mesh-size (MW), standard	0.5 mm	1.0 mm	2.0 mm
correction factor for zeta-value (ζ)	1.0	0.7	0.5
open sieve area in % of F	39%	44%	48%

These data are based on material: body P235-265GH, sieve 1.4401. Additional materials are available upon request.
Technical and design changes are permitted.

1. Dimensions are acc. to DIN EN 558-1 and flanges acc. to EN 1092-1. Tolerances in acc. with norms DIN 8570 and DIN 28005. Vertical measures (H, h, Amin) are based on PN 16. Customised dimension and designs are available.
2. Weight of the strainers can only be determined after the order is placed, due to the dimensioning of the strainer body in connection with the planned operating pressures. Generally, the weights can differ from the mentioned ones.
3. The mentioned zeta-value (ζ) needs to be increased by 20%, if the strainer comes with a double-layered sieve. Generally, this is the case with strainers ≥ DN 250 and a mesh-size (MW) of 0.5 mm.

Filter Type W

≥ DN 500



(illustration shows options)

DN	dimension [mm] [1]									weight [approx. kg]						
										Type SS (welded ends)				add. weight per flange		
	D	d	L_{SSmin}	L_{FF}	H_{UF}	H_{Uk}	H_o	h	A_{min}	PN 10	PN 16	PN 25	PN 40	PN 10	PN 16	PN 25
500	508	610	700	1250	395	505	440	440	700	479	719	888	order specific [2]	41	75	97
600	609	711	1100	1450	550	680	610	606	1000	765	1055	1147		53	97	121
700	711	914	1300	1650	605	780	670	670	1100	1133	1449	1956		76	104	155
800	812	1060	1400	1850	710	900	790	812	1300	1556	2084	2846		102	122	205
1000	1016	1420	2000	2300	820	1095	910	930	1500	2555	3388	4453		161	233	338

sieve DN	**500**	**600**	**700**	**800**	**1000**
F [cm^2]	5380	7410	13660	14880	23310
ζ (Zeta) [3]	1.94	1.96	2.00	2.05	2.10
Kv	6783	9778	13194	16996	26294

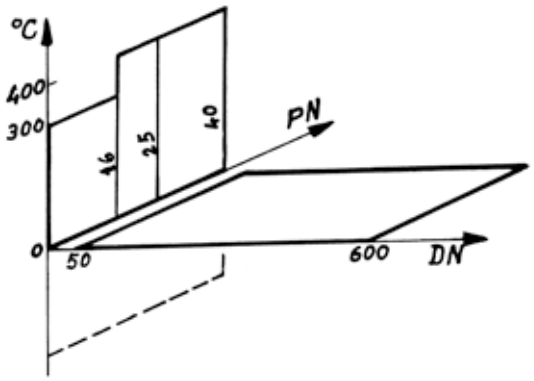
sieve mesh-size (MW), standard	0.5 mm	1.0 mm	2.0 mm
correction factor for zeta-value (ζ)	1.0	0.7	0.5
open sieve area in % of F	39%	44%	48%

These data are based on material: body P235-265GH, sieve: 1.4401. Additional materials are available upon request.
Technical and design changes are permitted.

1. Dimensions are acc. to DIN EN 558-1 and flanges acc. to EN 1092-1. Tolerances in acc. with norms DIN 8570 and DIN 28005. Vertical measures (H_{UF}, H_{UK}, H_O, h, Amin) are based on PN 16. Customised dimension and designs are possible.
2. Weight of the strainers can only be determined after the order is placed, due to the dimensioning of the strainer body in connection with the planned operating pressures. Generally, the weights can differ from the mentioned ones.
3. The mentioned zeta-value (ζ) needs to be increased by 20%, if the strainer comes with a double-layered sieve. Generally, this is the case with strainers ≥ DN 250 and a mesh-size (MW) of 0.5 mm.

strainers • double filters • start-up sieves

Area of application (standard):



(additional areas upon request)

Flanges:	DIN, ANSI tongue, groove RF, RTJ
Dimension:	DIN/EN, ANSI customised
Material (standard):	
• Body	P235GH-P265GH
• Flanges	P250GH
• Cover	P250GH
• screen plate	S235JR
• screen cloth	1.4401 / X5CrNiMo17-22-2
• Seals	SIL-C 4400 (asbestos free)
further material:	
• 1.4541	X6CrNiTi18-10
• 1.4571	X6CrNiMoTi17-12-2
• 15Mo3	16Mo3+NT
• 13CrMo44	13CrMo4-5
mesh width: (standard)	100 µ - 5.0 mm 0.5 / 1.0 / 2.0 mm

Quality Engineering Solutions

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