

Filter Type W-TW



Technical Data

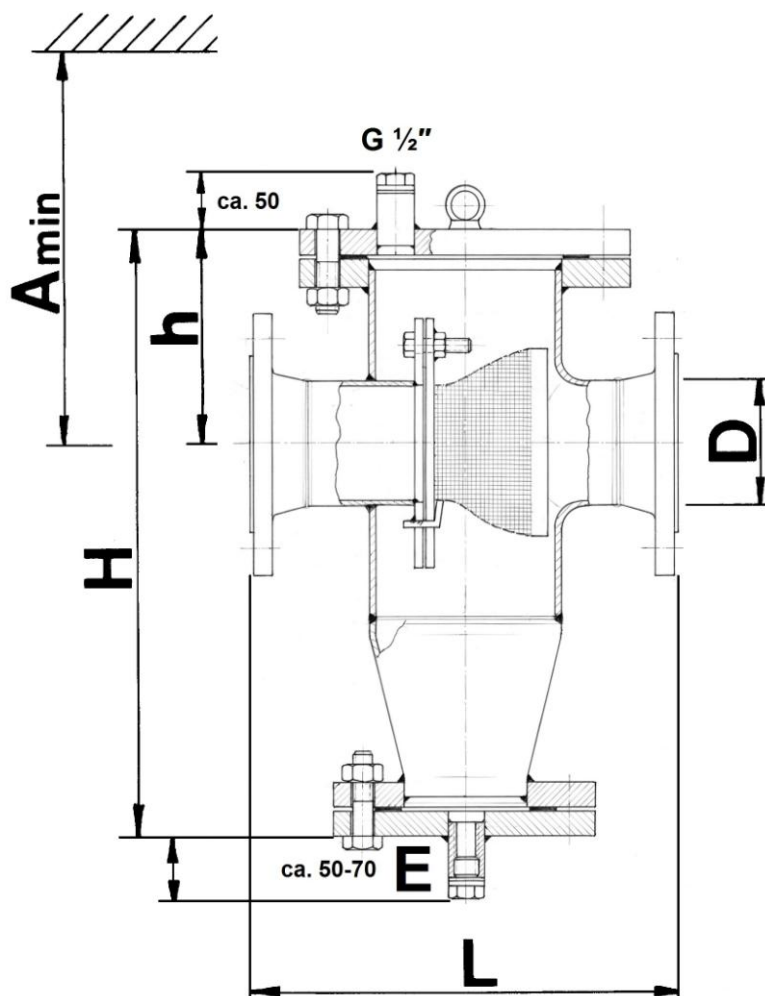


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Filter Type W-TW - Technical Data (\leq DN 125)

Drinking Water Application



DN	dimension [mm] ¹⁾						weight [approx. kg] ²⁾			sieve		
	D	L	H	h	A _{min}	E ["]	Type FF (Flange connection)			F [cm ²]	ζ (zeta)	Kv
							PN 16	PN 25	PN 40			
50	60,3	230	415	145	290	G 1/2	21	22		155	0.70	142
65	76,1	290	415	145	290	G 1/2	23	23		155	0.80	221
80	88,9	310	485	160	320	G 1/2	34	36		250	1.00	272
100	114,3	350	535	175	370	G 1/2	46	49		360	1.15	422
125	139,7	400	620	210	450	G 1/2	75	79	90	620	1.30	599

sieve mesh-size (MW), standard	0.5 mm	1.0 mm	2.0 mm
correction factor for zeta-value (ζ)	1.0	0.8	0.7
open sieve area in % of F	37%	44%	48%

These data are based on material: body P235-250GH (epoxy coated – W270), sieve: 1.4401.

Technical and design changes are permitted.

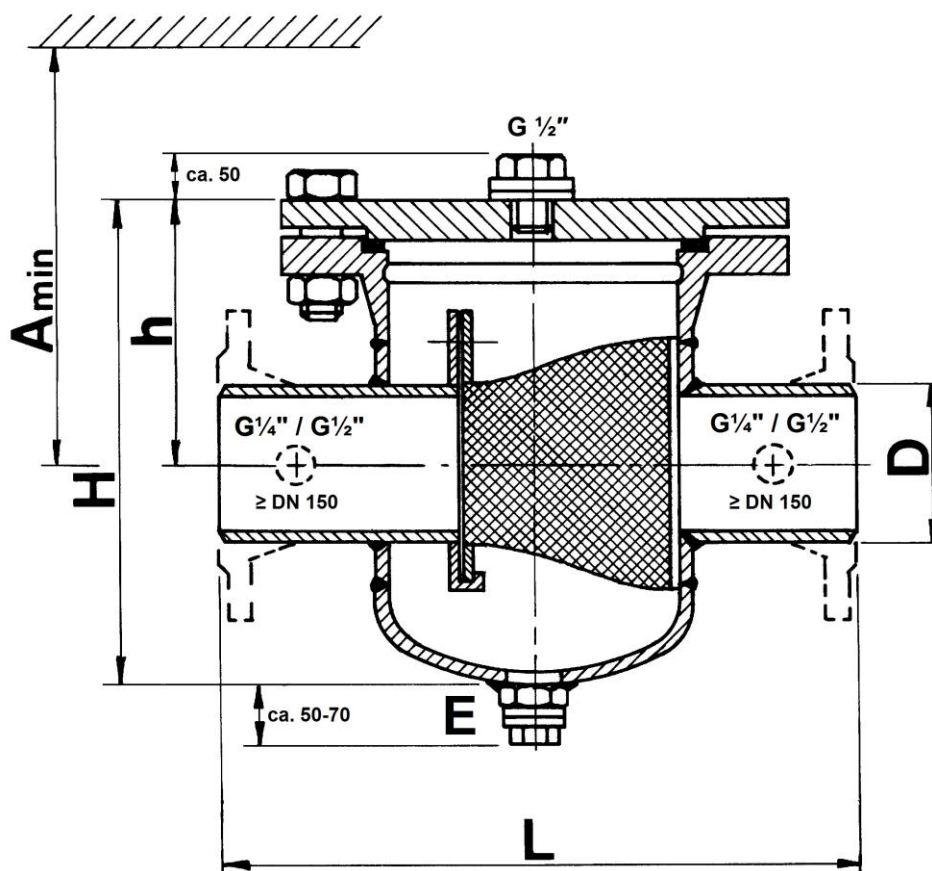
- 1) Dimensions are acc. to DIN EN 558-1 and flanges acc. to EN 1092-1. Tolerances in acc. with norms DIN 8570 and DIN 28005. Vertical measures (H, h, A_{min}) are based on PN 16. Customised dimension and designs are possible.
- 2) Weight of the strainers can only be determined after the order is placed, due to the dimensioning of the strainer body in connection with the planned operating pressures. Generally, the weights can differ from the mentioned ones.





Filter Type W-TW - Technical Data (\geq DN 150)

Drinking Water Application



DN	dimension [mm] ¹⁾						weight [approx. kg] ²⁾			sieve		
	D	L	H	h	A _{min}	E ["]	Type FF (Flange connection)			F [cm ²]	ζ (zeta) ³⁾	Kv
							PN 16	PN 25	PN 40			
150	168,3	480	485	250	530	G 1/2	91	118	147	1010	1.50	818
200	219,1	600	550	285	680	G 1/2	128	172	231	1520	1.70	1288
250	273,0	730	625	315	750	G 3/4	199	240	345	1930	1.80	1969
300	323,9	850	720	360	880	G 3/4	288	374	525	2600	1.85	2788
350	355,6	980	805	400	980	G 3/4	378	497	622	3350	1.90	3315
400	406,4	1100	870	430	1100	G 1	506	637	820	4450	1.92	4266
450	457,0	1200	1005	500	1230	G 1	752	914	1282	5380	1.93	5448
500	508,0	1250	1005	500	1230	G 1	832	989	1384	5380	1.94	6699

sieve mesh-size (MW), standard	0.5 mm	1.0 mm	2.0 mm
correction factor for zeta-value (ζ)	1.0	0.8	0.7
open sieve area in % of F	37%	44%	48%

These data are based on material: body P235-265GH (epoxy coated – W270), sieve: 1.4401.

Technical and design changes are permitted.

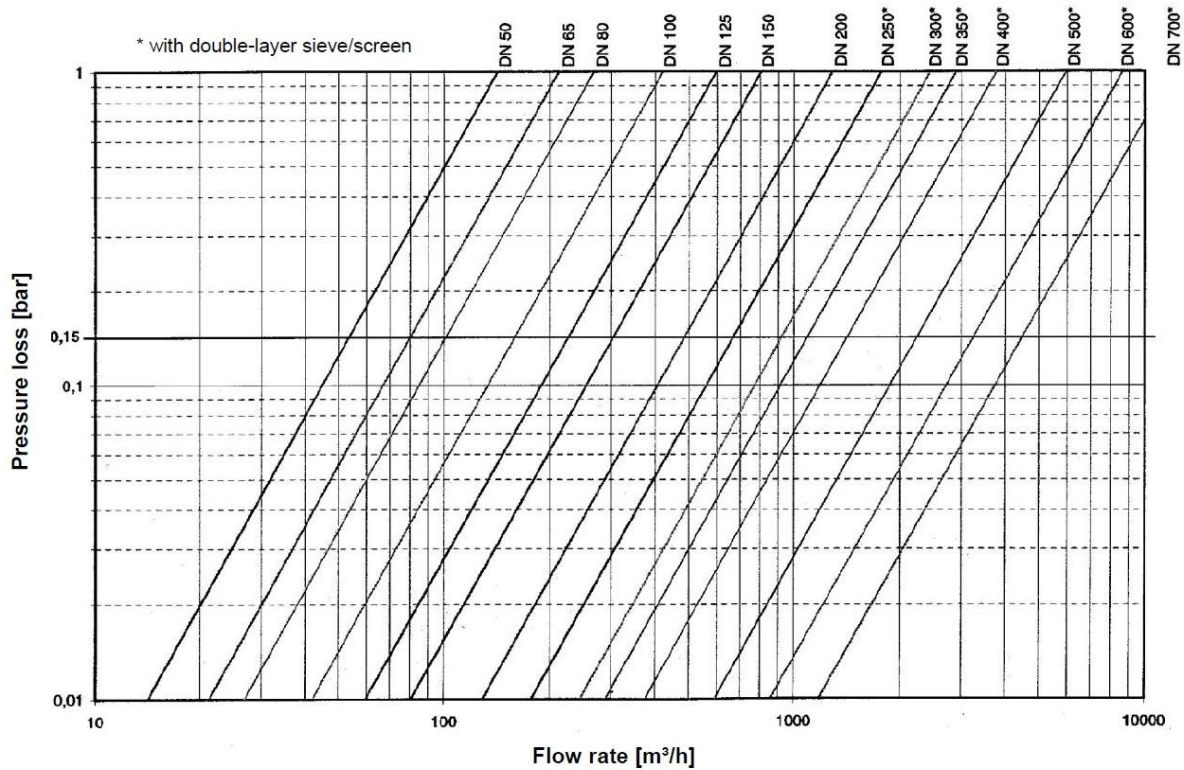
- 1) Dimensions are acc. to DIN EN 558-1 and flanges acc. to EN 1092-1. Tolerances in acc. with norms DIN 8570 and DIN 28005. Vertical measures (H, h, A_{min}) are based on PN 16. Customised dimension and designs are possible.
- 2) Weight of the strainers can only be determined after the order is placed, 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 \geq DN 250 and a mesh-size (MW) of 0.5 mm.





Filter Type W-TW – sieve/screen pressure loss

The data in the diagram are based on the application of water (density $\rho = 1 \text{ kg/dm}^3$) at a maximum permissible flow rate of $v = 4 \text{ m/s}$ and a mesh width of 0.5 mm .



Area of application (standard):

(additional areas are available)

Flange:	DIN, ANSI tongue / groove RF, RTJ
Dimension:	DIN, ANSI customised
Material (standard):	<ul style="list-style-type: none"> • Body P235GH-P265GH • Flange P250GH • Cover P250GH • Screen plate S235JR • Screen cloth 1.4401 / X5CrNiMo17-22-2 • Sealing SIL-C 4400 (asbestos free)
Additional material:	<ul style="list-style-type: none"> (1.4541) X6CrNiTi18-10 (1.4571) X6CrNiMoTi17-12-2 (15Mo3) 16Mo3+NT (13CrMo44) 13CrMo4-5
Mesh width:	100 μ - 5.0 mm
(Standard:	0.5 / 1.0 / 2.0 mm)
Options (additional upon request):	<ul style="list-style-type: none"> • Davit / Cover lifting device: Swivel (horizontal), Swing arm (vertical) • Stand / base • Manometer • Venting valve • Magnetic insert

