

Filter box

AFD



Description

AFD filter boxes are used for supply air cleaning with wire type cleaning filters inside, pre-filter class ISO Coarse 70%, according to ISO 16890. The filter is easily replaced with the top cover removed. AFD type filter boxes are designed for installation in circular duct systems.

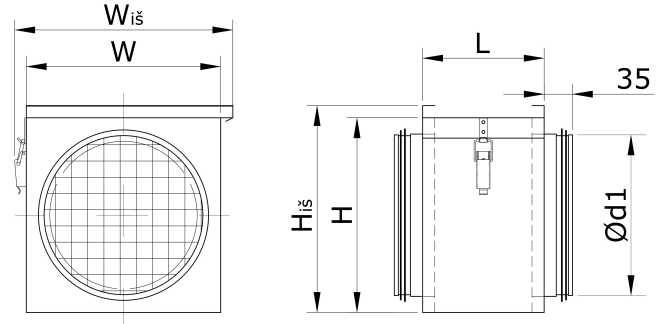
The products can be made of: galvanized steel sheet - corrosion class C3-L / C2-M; sheet with aluminium zinc coating - corrosion class C4-M / C3-H; stainless steel sheet AISI 304 (1.4301) or AISI 316L (1.4404) - corrosion class C5. Filter box is made with double seal gasket EPDM with self-slip material inside. Tightness class C according to LST EN 1506 and LST EN 12237. The filter box can be used at temperatures from -45 to +70 °C with appropriate insulation.

Ordering code

Galvanized steel - AFD100Coarse
AISI 304 - NP	
AISI 316L - 316NP	
Aluminium zinc - AZ	
Product	
Size	
With filter	

Sample: AFD100Coarse – made of galvanized steel sheet, filter box with connection 100 mm with filter inside, class - Coarse 70%.

Dimensions



Ød1 [mm]	W [mm]	H [mm]	L [mm]	W _i [mm]	H _i [mm]	Mass [kg]
100	200	200	150	230	215	1,7
125	200	200	150	230	215	1,7
160	200	200	150	230	215	1,7
200	240	240	150	270	255	2,2
250	300	300	150	330	315	2,8
315	360	360	150	390	360	3,3
355	400	400	150	430	415	4,2
400	450	450	150	480	465	4,9

Technical data

It is recommended to install the filter box as the first element of the system that will clean the air from dust and other components in the system (fan block, damper, electric or water heater) to protect against dirt. According to the standard LST EN 13779, permissible pressure losses through the filter Coarse - 100 Pa. The lower the pressure, the lower the electricity consumption will be in the ventilation system.

Product	Air flow [m ³ /h]	Pressure drop [Pa]
AFD100Coarse	180	50
	250	100
AFD125Coarse	200	50
	300	100
AFD160Coarse	220	50
	400	100
AFD200Coarse	350	50
	700	100
AFD250Coarse	600	50
	950	100
AFD315Coarse	800	50
	1350	100
AFD355Coarse	1100	50
	1700	100
AFD400Coarse	1400	50
	2200	100