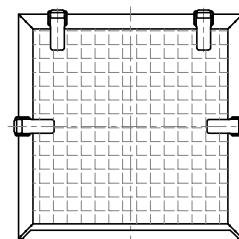
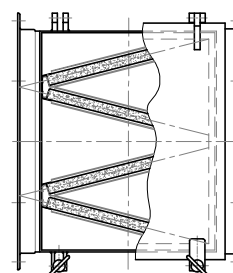


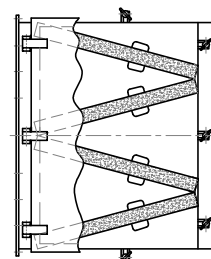
Casette air filters AF



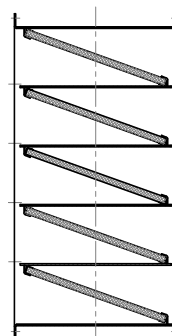
Casette air filters FW

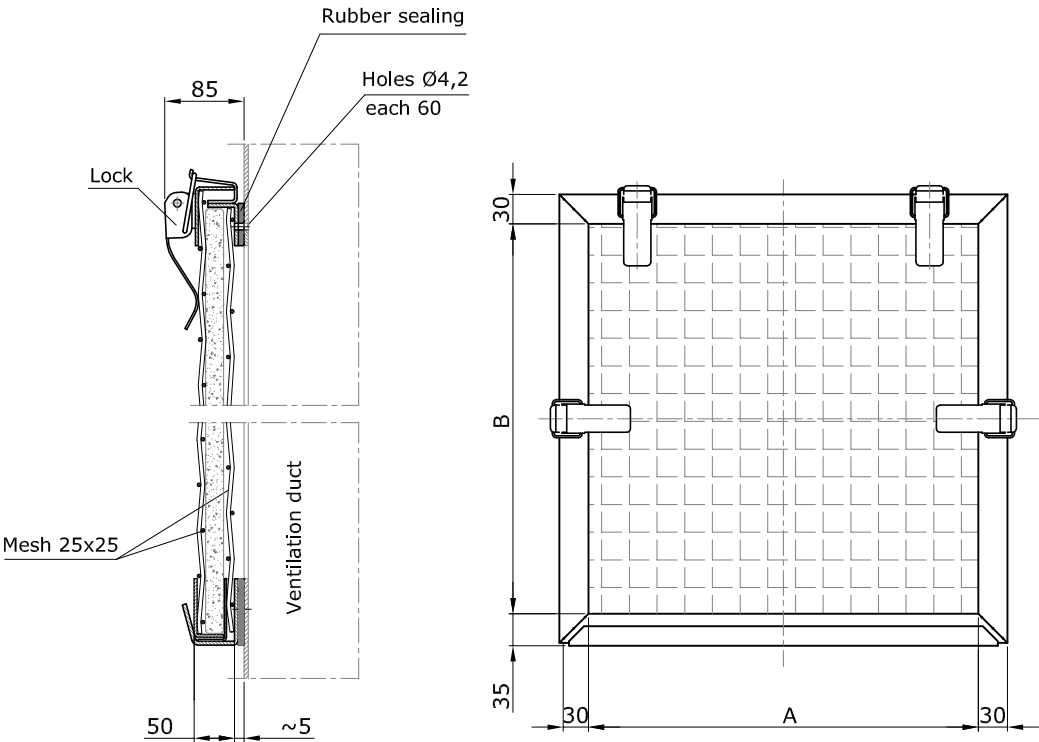


Engine air filters FG



Casette air filters FT





1. DESIGNATION

Air filters FA type are destined for installation on air supply openings of ventilation ductwork serving the compartments of increased requirements for dusts contents in supplied air. They also can be fastened on aspirating units of outdoor air.

2. CONSTRUCTION

The AF filters consist of the inner frame riveted to the ventilation duct, detachable outer frame and the inserted between synthetic material of EU3 class. Internal and external surface of filter is protected with wire mesh 25x25 mm.

3. MATERIAL

Inner and outer frames as well as lock made of galvanised steel sheet, bended.
Protective wire guard - stainless steel.

4. INSTALLATION

Cut-out in ventilation duct to be equal to AxB dimensions of filter. Inner frame to be riveted to ventilation duct with 4x12 rivets.

5. WORKING PARAMETERS

The velocity of air related to filter AxB face area shall not exceed 2 m/s.
Pressure drop of clean filter is than approximately 90 Pa.
The recommended final air flow resistance is 150 Pa.

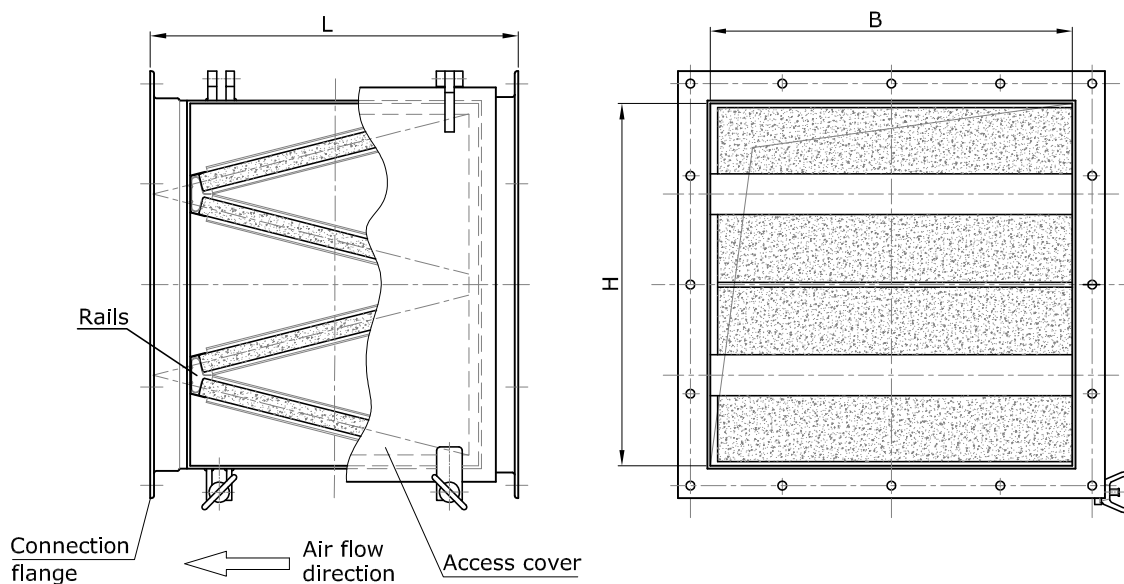
Dimensions and weights, kg

B \ A	mm				
	200	300	400	500	600
200	1,50	1,74	2,02	2,30	2,54
300	1,74	2,04	2,30	2,54	2,88
400	2,02	2,30	2,55	2,88	3,14
500	2,30	2,55	2,88	3,14	3,42
600	2,55	2,88	3,14	3,42	3,78

6. MARKING

AF air filters are manufactured of A and B dimensions from 200 to 600, each 100 mm.
On request the AF filters can be supplied with the other dimensions, agreed with the manufacturer.
Marking of AF filters of the dimension A=500 and B=600 mm:

AIR FILTER AF-500x600



1. DESTINATION

Cassette air filters FW-type are destined for installation in ventilation systems on seagoing ships and offshore objects.

FW are of compact and heavy duty construction. They separate dust and sand from air supplied to ventilated spaces.

2. CONTRUCTION

Filter consists of 3 mm thick flanged steel casing, adequately stiffened, with dusttight hinged access cover. Inside the filter, on air-sealed guiding rails, a number of retaining frames are fitted.

Frames are filled up with EU3 filtering matts.

Dimensions AxB of filter as well as type of connecting flange as per standard PN-79/3723-13. Other standards on request.

Length of the filter to be determined by the formula $L = 0,9 \times B$.

Recommended installation position - suction side of the fan.

3. MATERIAL

Casing - mild steel, painted with marine paints, galvanised on request.

Retaining frame, grid, guides - stainless steel

Access cover - mild steel.

Bolts of hinges, nuts - stainless steel

4. TECHNICAL DATA

Recommended velocity of air related to face area BxH of filter is 2 -7 m/s, what is equal to velocity 0,7-3 m/s through the filtering matts.

Technical data of filter mat:

- class acc. to Eurovent	EU3
- type	I/Sm 5205/1
- material	synthetic latex
- thickness	12 ± 2 mm
- initial pressure loss at velocity 3 m/s	98 Pa
- initial pressure loss at velocity 0,7 m/s	26 Pa
- filtration efficiency at velocity 0,7 m/s	93,7 %
- final pressure loss	300 Pa
- dust contents at final pressure loss	935 g/m^2

5. MAINTENANCE

Initial pressure drop on filters is approximately 100 Pa. Recommended final pressure drop is 200 Pa. At this value filters are to be cleaned.

Filter matts could be cleaned with compressed air or replaced with new ones.

If replaced the mat of similar physical data may be applied.

6. MARKING

of FW type filter of dimensions B=630 and H=500 mm:

AIR FILTER FW-630x500

1. DESTINATION

High-efficiency cassette air FG-type are designed as prefilter of combustion air for engines, turbines, compressors etc.

2. CONTRUCTION

Filter consists of 3 mm thick flanged steel casing, adequately stiffened, with dusttight hinged access cover. Inside the filter, on air-sealed guiding rails, a number of retaining frames are fitted. Frames are filled up with AmerKleen 80 fibreglass filtering matt.

Dimensions AxB of filter as well as type of connecting flange to be specified by the Customer. Length of the filter to be determined by the formula $L = 0,9 \times B$.

3. MATERIAL

Casing - mild steel, painted with marine paints, galvanised on request.

Retaining frame, grid, guides - stainless steel

Access cover - steel or aluminium, depending on weight.

Bolts of hinges, nuts - stainless steel

3. TECHNICAL DATA

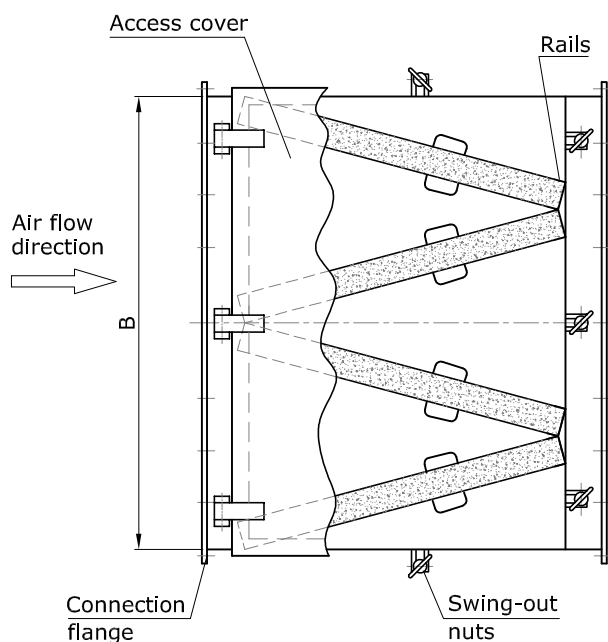
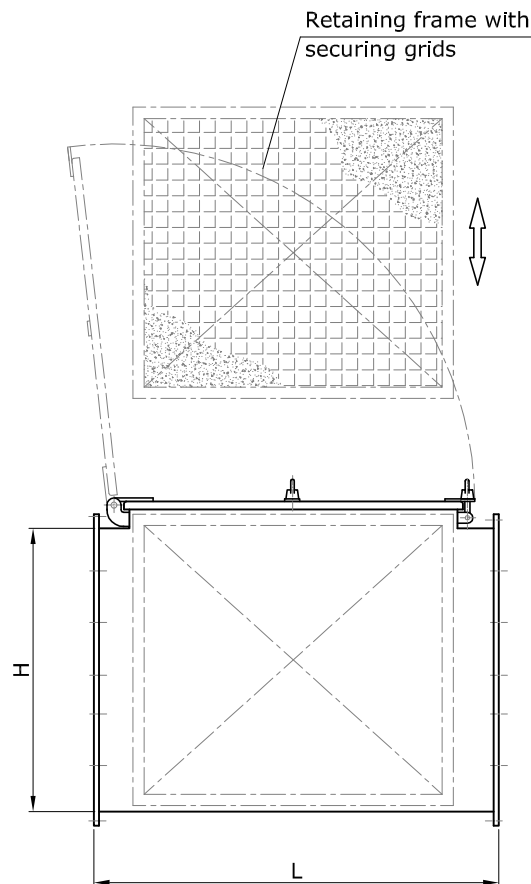
Recommended velocity of air related to face area BxH of filter is 10 m/s.

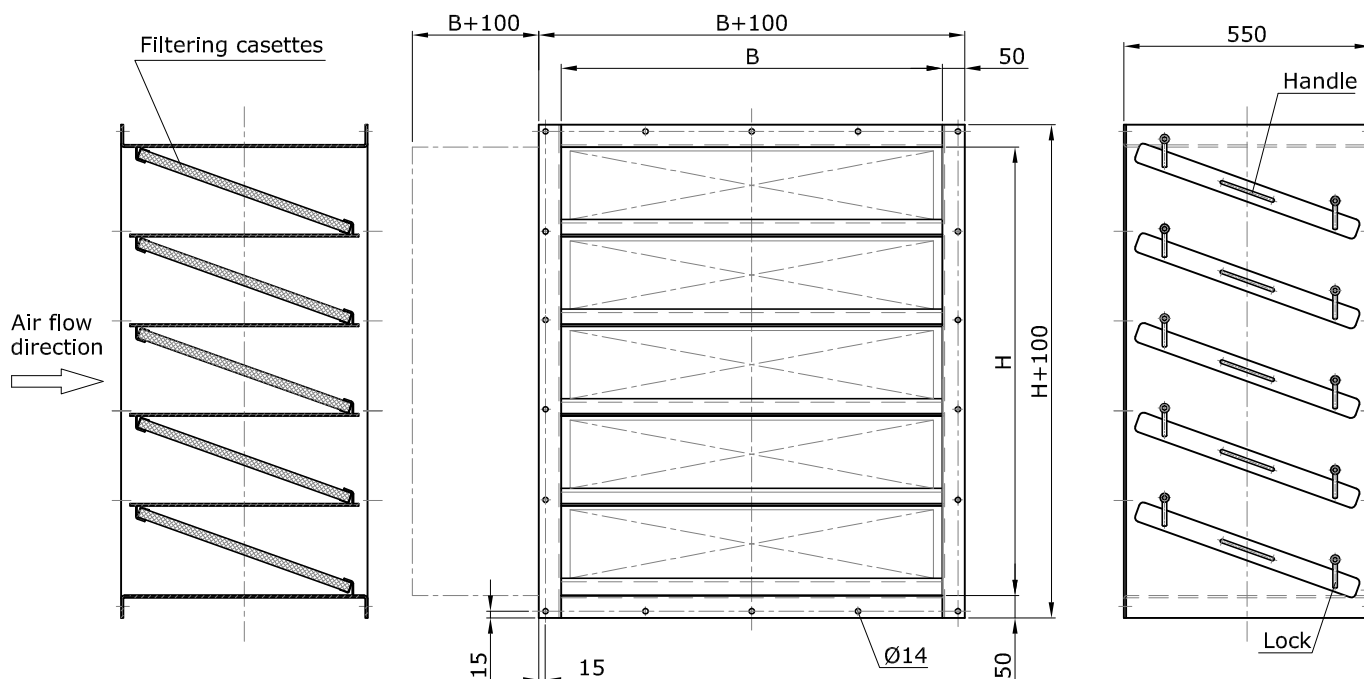
Recommended final pressure drop across the filter is 370 Pa.

4. MARKING

of FG type filter of dimensions B=1600 and H=1000 mm:

AIR FILTER FG-1600x1000





1. DESTINATION

Cassette air filters FT-type are destined for installation in ventilation systems on seagoing ships and offshore objects.

They separate dust and sand from air supplied to ventilated spaces.

2. CONTRUCTION

Filter consists of 3 mm thick flanged steel casing, adequately stiffened, with dusttight access covers. Inside the filter, on air-sealed guiding rails, a number of retaining frames are fitted.

Frames are filled up with G3 filtering matts.

Dimensions BxH of filter as well as type of connecting flange as per standard PN-79/3723-13.

Other standards on request.

Recommended installation position - suction side of the fan.

3. MATERIAL

Casing - mild steel, painted with marine paints, galvanised on request.

Retaining frame, grid, guides - stainless steel

Access cover - mild steel.

Bolts, nuts - stainless steel

4. TECHNICAL DATA

Recommended velocity of air related to face area BxH of filter is 4 m/s.

- class acc. to EN779	G3
- type	Viledon P15/350
- material	polyestre

- thickness	10±1 mm
- initial pressure loss	25 Pa
- filtration efficiency (atmospheric duct)	85 %
- final pressure loss	200 Pa
- dust contents at final pressure loss	380 g/m ²

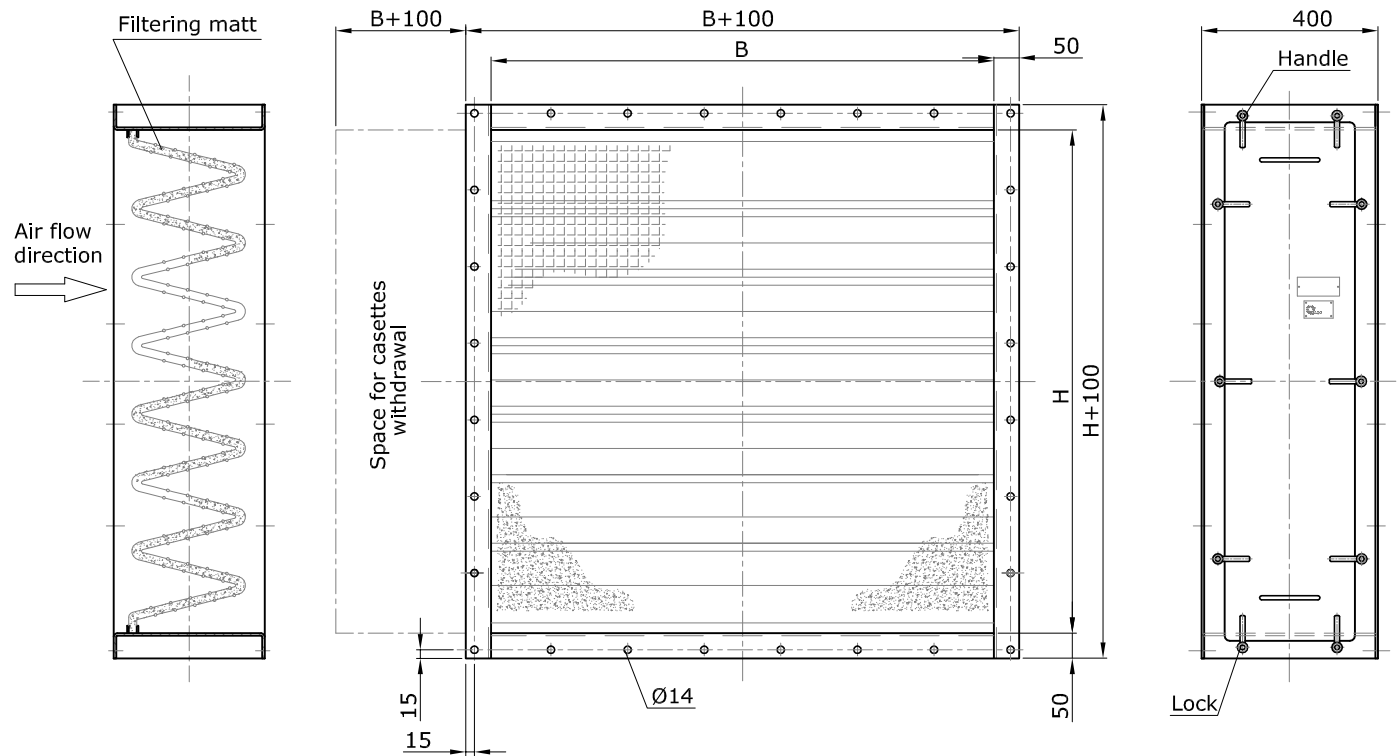
5. MAINTENANCE

Filter matts can be cleaned with compressed air or water.

6. MARKING

of FT type filter of dimensions B=800 and H=1500 mm:

AIR FILTER FT-800x1500



1. DESTINATION

Cassette air filters AFL-type are destined for installation in ventilation systems on seagoing ships and offshore objects. They separate dust and sand from air supplied to ventilated spaces.

2. CONTRUCTION

Filter consists of 3 mm thick flanged steel casing, adequately stiffened, with dusttight access covers. Inside the filter, on air-sealed guiding rails, a filtering matt both sides secureds with wire guard

Dimensions BxH of filter as well as type of connecting flange as per standard PN-79/3723-13. Other standards on request. Recommended installation position - suction side of the fan.

3. MATERIAL

Casing - mild steel, painted with marine paints, galvanised on request.
Retaining frame, grid, guides - stainless steel
Wire guard - stainless steel
Access cover - mild steel.
Bolts, nuts - stainless steel

4. TECHNICAL DATA

Recommended velocity of air related to face area BxH of filter is 4 m/s.

- class acc. to EN779	G3
- type	Viledon P15/350
- material	polyestre
- thickness	10 ± 1 mm
- initial pressure loss	25 Pa
- filtration efficiency (atmospheric duct)	85 %
- final pressure loss	200 Pa
- dust contents at final pressure loss	380 g/m^2

5. MAINTENANCE

Filter mats can be cleaned with compressed air or water.

6. MARKING

of FT type filter of dimensions B=800 and H=1500 mm:

AIR FILTER AFL-800x1500

