



DESCRIPTION

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.

CONSTRUCTION

Filter consists of 3 mm thick flanged steel casing, adequately stiffened, with dust tight 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 mats.

Dimensions $A \times B$ 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.

MATERIAL

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

Retaining frame, grid, guides - stainless steel

Access cover - mild steel.

Bolts of hinges, nuts - stainless steel

TECHNICAL DATA

Recommended velocity of air related to face area $B \times H$ of filter is 2 -7 m/s, what is equal to velocity 0,7-3 m/s through the filtering mats.

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

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 mats could be cleaned with compressed air or replaced with new ones.

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

MARKING

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

AIR FILTER FW-630x500