

Reverse Flow Pocket Filter
 For Gas Turbine Inlet Air Filtration

DATA

G4
 EN 779

Dimensions: 592x592x360mm
 Air flow rate : 3400 m³/h
 Filter class: G4 acc. EN 779
 Average arrestance: ≥90%
 Initial pressure drop: 30 Pa



Reverse Flow Pocket Filter



REVERSE FLOW

In EMW® Reverse Flow pocket filters, air flow is in the reverse direction as compared to conventional designs, i.e. from the outer side of the pockets inwards. Accordingly, they are installed on the filter wall with the pockets facing outwards, providing room for additional filter elements in the free space behind. EMW® Reverse Flow pocket filters, when used in combination with EMW® GT Compact Filters, team up to provide big benefits.



Schematic illustration showing air flow direction through EMW® reverse flow filter.

EFFICIENCY

EMW® Reverse Flow pocket filters are class G4 filters according to EN779 which are equipped with 6 synthetic-medium pockets. The progressively structured filter medium is specially designed for high efficiency in coarse particulate removal. A continuous connecting seal to the plastic frame ensures superb airtightness. All in all, EMW® Reverse Flow pocket filters provide highly effective protection and prolonged service life of downstream filter modules.



Seamless continuous seal for outstanding airtightness and reliability.

PRESSURE DROP

Reverse flow filters are subjected to particularly high aerodynamic forces. These high forces can collapse filter pockets, causing increased pressure drop. EMW® Reverse Flow pocket filters have high flexural strength, providing sustained resistance to deformation. In addition they are equipped with internal stabilizers providing further long-term stability. The result: the pockets are held reliably in their original configuration, preventing additional pressure drop due to pocket collapse.



Stabilizers maintain pocket shape even in heavy-duty service.