

PUMP & FILTRATION SYSTEMS >



multinex

Filter candles for large area
screen changers



MAAG multinex candle filter elements are tailor-made for use in continuously or discontinuously operating screen changers. Compared to typical round screen plates, they increase the active screening area up to 60 times, thus reducing significantly ΔP and the flux rate. At the same time, an up to 60 times longer service life of the filter until the next screen change is achieved.

Your benefits

- Optimized for high viscosities
- Reusable candle bodies
- Economic perforated sleeve exchange
- Screen mesh or fiber metal felt (FMF)
- Filter fineness 5 μm

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Selection of typical materials

- ABS
- EVA
- HDPE
- PA6
- PA 66
- PB
- PE
- LDPE
- LLDPE
- PEEK
- PET
- PBT
- PP
- PS
- PC

Options

- High pressure design
- High temperature design
- Stainless steel design
- Special screw-in thread

Accessories

- Candle carrier plates
- Installation tools
- Candle bodies
- Different screen sleeves

Technical specifications:

Candle diameter: 20 mm to 80 mm

Filter fineness: 5 µm

Filter medium:

- Screen mesh
- Fiber metal felt (FMF)

Technology:

- Reusable candle body
- Exchangeable perforated sleeves

The exchangeable screen sleeves are made application-specifically from several layers of filter medium, where, depending on the task at hand, and the required filter fineness either screen meshes are used for separation of solids, or metal fiber fleece for gel-filtration.

The carrier pipe on the inside and the cover screws guarantee due to their rheologically optimized design a melt processing free from dead spot in connection with the melt channel geometry of the screen changer.

The entire module can be re-used as often as desired and as a result, after therm./chem. cleaning of the entire candle bundle, only the economic screen sleeves need to be exchanged.

Application limits:

Temperature: up to 350 °C

Operating pressure: 350 bar

Pressure differential: 100 bar

