



micronex

Filter candles for large area screen changers



micronex filter candles are tailor-made for use in continuously and discontinuously operating screen changers. Compared to typical round screen plates, they increase the active screening area up to 200 times, thus reducing significantly ΔP and the flux rate. We offer standard designs or customized candles regarding:

- Type of mesh
- Number of pleats
- Pleat height
- Filter area
- Number of layers
- Layer configuration

Your benefits

- Filter elements designed for individual processes
- Optimized polymer flow
- Maximized filter area
- Lowest possible pressure loss
- Designed to retain hard and deformable particles
- Screen mesh or fiber metal felt (FMF)
- Filter fineness 3 μm

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Typical Polymers handled

- ABS
- PET
- EVA
- PC
- HDPE
- PA 6, PA 66
- PB
- PE, LDPE, LLDPE
- PEEK
- PBT
- PP
- PS, HIPS
- PLA

Options

- High pressure design
- High temperature design
- Special screw-in thread
- Flow optimized diameters



Special candle design ...

Technical specifications:

Candle diameter: 20 mm - 63 mm

Filter fineness: 3 µm

Filter medium:

- Screen mesh
- Fiber metal felt (FMF)

Technology:

- Reusable candle
- Bubble point tested

When we design elements for our customers, we look at the filtration system to optimize the flow and maximize the filter area. All fiber metal felt and mesh media elements are bubble point tested to ensure specified filter rate.

Filter Design Choices

Maag offers hard or soft sintered fiber metal felt, or wire mesh media supported on both sides by a protective screen. The media can be pleated or flat wrap; pleated media considerably increases filter area per element and flat wraps are better for very high filtration rates.

End fittings can have internal or external hex. Threads can be constructed of non-galling materials.

The hardware and wire mesh used in our elements are 316 or 316L stainless steel. Fiber metal felt media is primarily 316L. Other metallurgies such as Hastelloy are also available.

Application limits:

Differential pressure: 75 bar

Operating pressure: 350 bar

Temperature: up to 350 °C



... to mount tool to easily exchange candle package for cleaning.

