

SINBRAN® Modules for Installation on the Raw-gas or the Clean-gas side

Durability and Performance

SINBRAN® filter elements combine the strengths of membrane filtration with those of rigid body filtration. The ePTFE membrane ensures a high membrane-filtration performance coupled with a low differential pressure. The rigid substrate ensures a high degree of durability that cannot be achieved with fabric filtermedia.

Simple and Reliable

The combination of the rigid body and membrane also offers other advantages:

- › **ePTFE Membrane is an easy-to-clean surface:**
SINBRAN® elements operate extremely reliable in jet-pulse systems, as powder rarely sticks to the ePTFE membrane surface.
- › **Easy removal of sticky or crusty filter cake:**
The rigid body of SINBRAN® is easy to remove and clean.
Please follow cleaning instructions!
- › **Cleaning-In-Place**
The non-stick ePTFE surface offers ideal cleanability.
- › **Electrical Discharge**
SINBRAN® filter elements are also available as antistatic versions.

Advantages at a Glance

- › **Low emissions:** The microfine structure of the ePTFE membrane ensures filtration efficiency > 99,9 % (DIN EN 60335-2-69).
- › **Low pressure drop:** Double throughput possible at same strain.
- › **100 % PTFE membrane:** The material with the best anti-adhesive properties.
- › **Long life:** An operating life in excess of several years is not a rarity.

Technical Data

Tubes	Porous HD PE (High Density Polyethylene)
Membrane	100 % ePTFE
Flange	Polyethylene, Stainless Steel, Polyethylene with embedded carbon black
Installation	Raw-gas side or Clean-gas side
Standard Versions	8, 12 or 18 Tubes per module
Other Variation	On Request
Length	Minimum length 495 mm, maximum length 1500 mm
Washable	Yes. Please follow instructions!
Continuous operating temperature	70 °C (without chemical attack, vertical installation only)
Peak temperature	75 °C (< 10 minutes)
Differential Pressure	Double throughput possible at same strain
Antistatic version	Surface resistance < 10 ⁸ Ω (IEC 60079-1 und -2)

All data expressed are typical values. This technical data is subject to change. Please contact Sinbran GmbH. www.sinbran.com

Installation Information

- › Clean-gas side or Raw-gas side filter elements available.
- › Vertical installation is standard, horizontal installation is possible under certain conditions.
- › Compatibility with other rigid-body filter elements. Dimensions needs to be checked carefully.
- › Using different element-sizes allows the maximum filtration area to be fit into a round bag house.