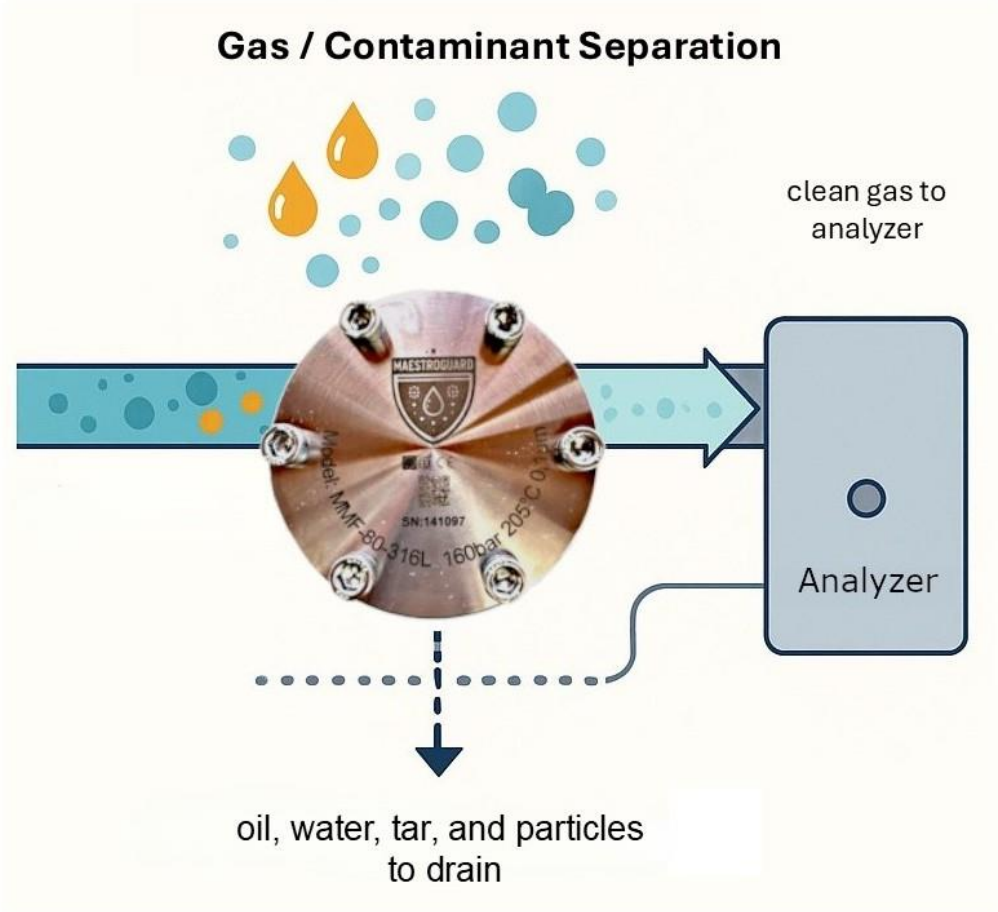
MaestroGuard® – The Guardian of Measurement Integrity

Advanced Filtration for Natural Gas Sampling Systems
MaestroGuard® – Membrane Filter Separator

European manufacturer of high-performance gas and liquid sample conditioning filters

The MaestroGuard™ filter series is engineered for the world's most demanding natural gas applications — providing absolute protection against liquid aerosols, oil mist, and particulates. Every model equipped with a MaestroGuard® membrane reliably stops **water and oil**, while allowing **clean gas to pass freely**, ensuring analyzer accuracy and long-term stability in field and laboratory installations.

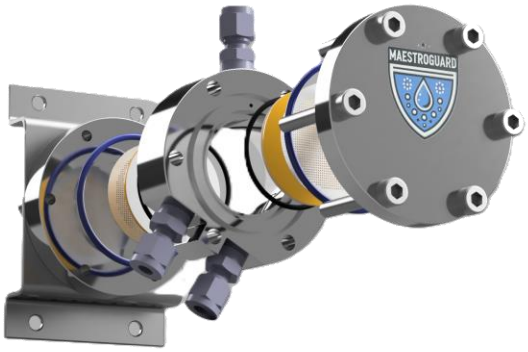


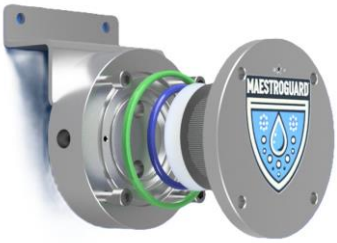
Analytical Filters Engineering KFT
+36 1 901 0620 | info@analytical-filters.com

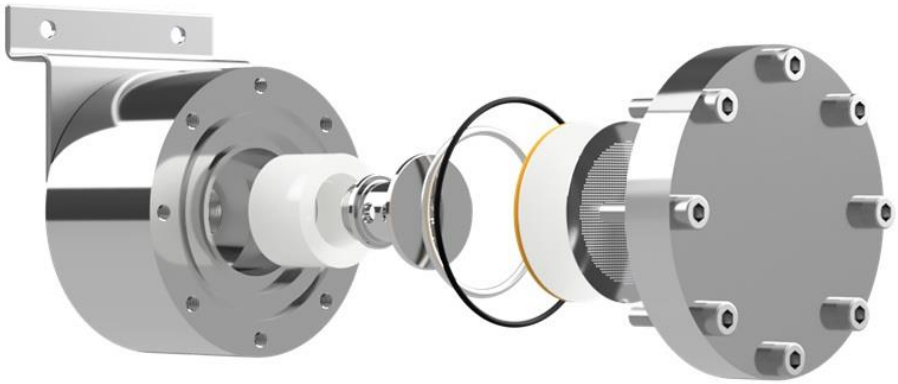
MaestroGuard® – The Guardian of Measurement Integrity

Key Benefits

- MaestroGuard® Enhanced Membrane
- Dual-stage separation
  - Coalescing Pre-Separation + membrane
  - Inertial cyclone effect Pre-Separation + membrane
- Compact 316L stainless steel construction
- Compliant with ATEX/IECEx • PED • ISO 11114-4 • ISO 15156 / NACE MR0175
- Reliable protection against water, oil, and aerosols
- Very low internal volume – fast response and minimal dead space
- High flow capability for extremely fast analyzer update times
- Reusable & eco-friendly – only the membrane is replaced







Analytical Filters Engineering KFT
+36 1 901 0620 | info@analytical-filters.com

MaestroGuard® – The Guardian of Measurement Integrity

For System Integrators & Analyzer OEMs

All MaestroGuard® filters share the same design philosophy: reliable separation of water, oil, and aerosols from the sample gas — without adsorption or loss of analyte integrity. They integrate seamlessly into sampling systems for gas chromatographs, moisture and dew-point analyzers, calorimeters, and continuous gas-quality monitoring systems.

Model Overview

Model	Max Pressure	Function	Recommended Use
MF-60-316L-50	50 bar	Compact MaestroGuard® membrane filter	Portable / OEM analyzer systems
MF-100-316L-100	100 bar	MaestroGuard® membrane filter	General sample gas protection
MCF-100-316L-220	220 bar	MaestroGuard® membrane + coalescer	High-pressure analyzer systems
MMF-80-316L-160	160 bar	Dual MaestroGuard® membranes + Inertial centrifugal bypass	Moist / multiphase gas flows
CF-50-316L-160	160 bar	Particle + Coalescer (no membrane)	Upstream / bulk separation

Customized solutions available – up to 700bar

Applications

- Natural gas composition and impurity analysis
- Moisture and hydrocarbon dew-point measurement
- Hydrogen blending and fuel gas quality control
- Gas chromatographs (C6+, BTU) and high-flow systems requiring fast update times
- Analyzer shelters, field stations, and mobile systems

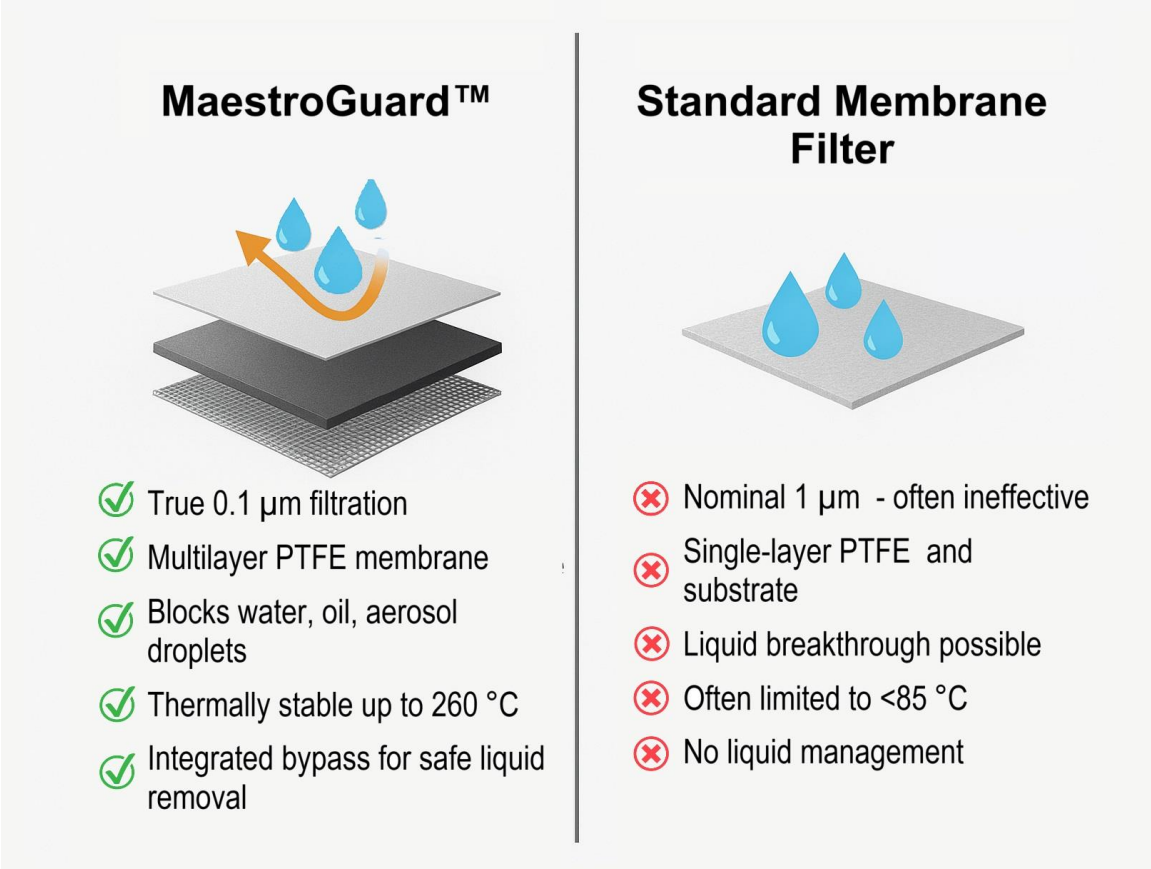
Compliance & Safety

Compliant with: ATEX/IECEx • PED • ISO 11114-4 • ISO 15156 / NACE MR0175

Analytical Filters Engineering KFT
+36 1 901 0620 | info@analytical-filters.com

MaestroGuard® – The Guardian of Measurement Integrity

(All models with prefix "M" include the MaestroGuard® Enhanced Membrane that reliably stops water and oil while allowing clean gas to pass.)



About Analytical Filters Engineering

Analytical Filters Engineering Kft develops and manufactures high-performance filters and sample-conditioning components for gas and liquid analysis. All MaestroGuard® products are designed and assembled in the EU, combining robust construction with the highest analytical precision.

Contact us today for application-specific guidance or a sample demonstration.

Analytical Filters Engineering KFT
walter.huber@analytical-filters.com
(HU): +36 1 901 0620
(AT): +43 681 107 372 45
(BE): +32 475 385 687

Company Info
www.analytical-filters.com
Registered in Hungary
EU-VAT No.: HU32722053