



MaestroGuard® Analyzer Protection Filters

*Reliable gas analysis
starts with a clean sample*

**100% PTFE
Membrane
Technology**

In process gas analysis, the quality of the measurement depends directly on the quality of the sample reaching the analyzer. Even small amounts of liquid carry-over, aerosols, condensate or particles can lead to unstable measurements, analyzer contamination, blocked lines, increased maintenance and unplanned downtime.

More than a filter

- Designed specifically for analyzer protection in gas sampling systems.
- Protects analyzers from free liquids, aerosols, condensate and particles.
- Suitable for demanding industrial and OEM sample-conditioning applications.

Bypass-based separation concept

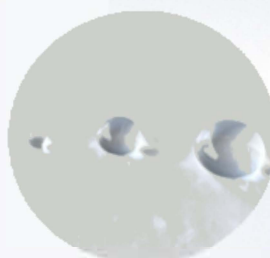
- Unlike conventional dead-end liquid-stop filters, MaestroGuard® is typically operated with a small bypass / fast-loop.
- Separated liquids are continuously removed before they can reach the analyzer.
- The protected gas sample continues to the instrument with reduced risk of contamination.

Why 100% PTFE matters

- ✓ Excellent hydrophobic and oleophobic properties
- ✓ High chemical inertness for challenging gas-analysis duties
- ✓ High temperature capability compared with many supported polymer membrane concepts
- ✓ Low adsorption / desorption behaviour for better sample integrity
- ✓ No additional polymer support layer in the active membrane area



light oil



water



potassium hydroxide



heavy crude

MaestroGuard® protects what measures.

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Haldatec

Phone: +61 3 9872 5822 Email: sales@haldatec.com.au Website: www.haldatec.com.au