MAESTROGUARD®

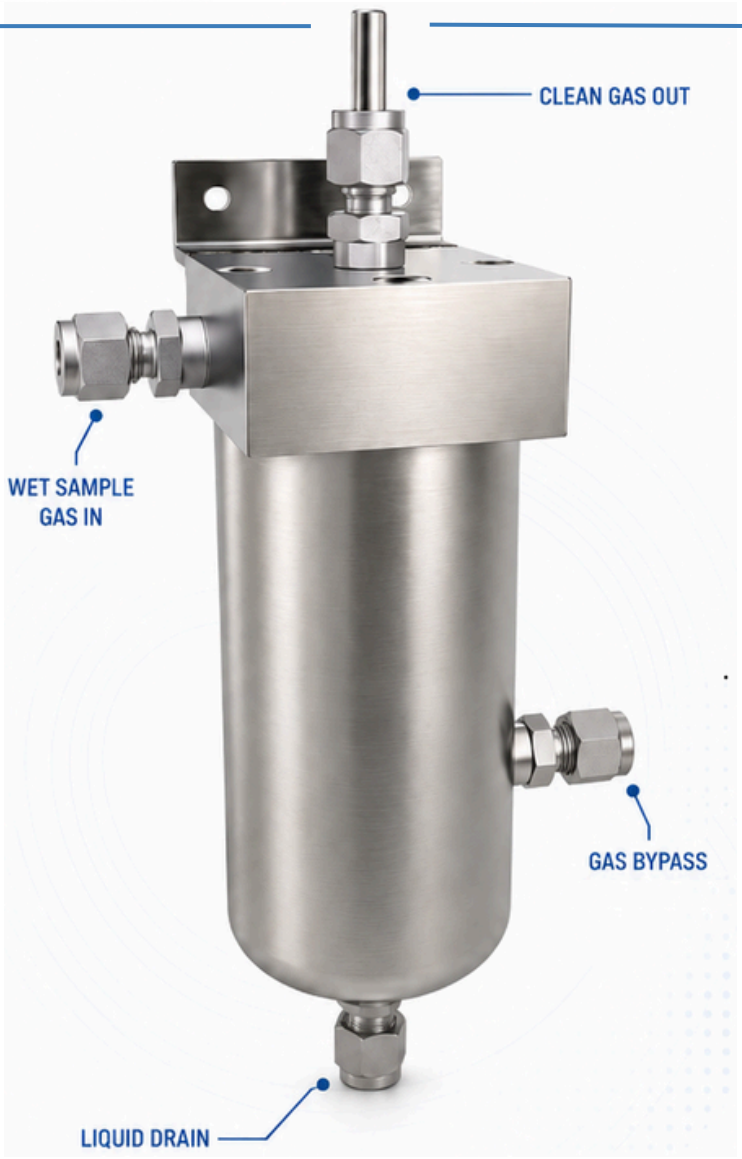
ANALYZER PROTECTION FILTERS

CLLS-30

Cyclonic Liquid & Load Separator

High-capacity pre-separation for wet sample gas streams

The MaestroGuard® CLLS-30 is designed for sample gas applications with high liquid carry-over, condensate and aerosols. A controlled cyclonic flow separates bulk liquid from the gas before it reaches sensitive downstream filtration and analyzer components.



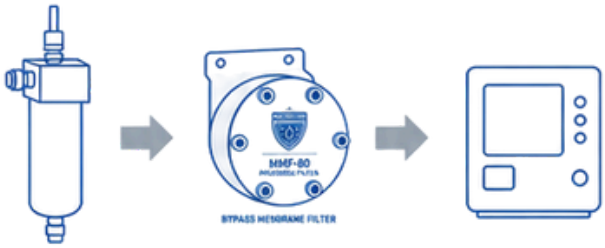
HOW IT WORKS

1. Wet sample gas enters tangentially and creates a high-velocity vortex.
2. Centrifugal forces move liquid droplets toward the housing wall.
3. Separated liquid is discharged through the drain / return section.
4. Conditioned gas leaves through the central vortex finder.

KEY BENEFITS

- High liquid handling capacity
- Continuous separation
- Low maintenance
- No disposable cyclone element
- Separate liquid drain
- Reduced downstream filter load
- 316L stainless-steel construction

IDEAL PRE-SEPARATION STAGE



CLLS-30 → MMF-80 / MF-100 → Analyzer

Advanced Sample Gas Protection

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