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AERION® - Gas Support Systems

AERION® gas supply systems ensure a safe, reliable and efficient supply of process gases at all required locations. They optimize operational processes, increase occupational safety and reduce the risk of gas accidents.

The modular AERION® systems are configured to meet the specific requirements of the application. Fäth thus ensures the safe handling of hazardous, flammable, toxic and corrosive gases with strict safety guidelines.

TECHNICAL DATA

Material	316L Stainless steel
Surface roughness	≤ 0.25 Ra µm Ave.
Helium leak test Leak rate (inside)	< 1 x 10-9 scc/s
Particle test	≤ 0.1 µm size: 5 ptc/ft3 > 0.3 µm size: 0 ptc/ft3
Moisture	< 10 ppb
Oxygen	< 10 ppb
Dimensions	W 800 x D 591x H 2280 (mm)

FEATURES

- VCR®-connection / Orbital welded
- Operation via touchpanel Siemens TP900
- Exhaust monitoring
- Pre- and fine filter
- Clean room assembled (ISO 6)
- Service ports for maintenance and tests

TESTS AND QUALIFICATION

The following tests were done on the whole system:

- Pressure test
- Helium leak test
- Particle test (optional)
- Moisture test (optional)
- Oxygen test (optional)

STANDARDS

- CE conformity
- RGS
- EIGA
- ATEX 2014/34/EU (optional)
- SEMI-Standards (optional)

OPTIONAL COMPONENTS

- Vacuum generator
- Height adjustable cylinder mounting
- Cleaning cartridge
- Rupture disk
- Cylinder scales for liquified gases
- Flame detection
- Gas detection
- Cylinder-, panel- and processline heating

PRODUCT TYPES

Duplex	Double exchange tank system
Locus	Disposal system
Mixtura	Mix system
Tubulato	Extraction panels
Dispensato	Gas Distribution

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