

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. With strict safety regulations, Fäth ensures the safe handling of flammable, toxic, corrosive and liquid gases.



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/ft ³ > 0.3 µm size: 0 ptc/ft ³
Moisture	< 10 ppb
Oxygen	< 10 ppb
Dimensions	W 800 x D 591 x 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

Safe cylinder changing with
system guided purge procedure

Continuous gas supply
due to redundant design

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 liquefied gases
- Flame detection
- Gas detection
- Cylinder-, panel- and processline heating
- Exhaust air monitoring



PRODUCT TYPES

Duplex

Locus

Mixtura

Tubulato

Dispensato

Double exchange tank system

Disposal system

Mix system

Extraction panels

Gas Distribution

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