

GasServant-800

Gas supply system

GasServant-800 by Fäth Group is a fully automated supply system for emptying from cylinders with liquefied and compressed gases. The redundant design allows a continuous gas flow and automatic switch over between both supply lines.

Continuous monitoring of all process parameters guarantees maximum supply reliability. The cylinder connection via 3-way-purge-blocks and an implemented purge program allow highest degree of safety for the operator – with lowest purge gas consumption at the same time. Safety features to protect against leaks, overpressure and fire hazard guarantee maximum safety for personnel and infrastructure. By being made in Germany and using high-quality components, our gas cabinet achieves the highest quality standards.

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 591x H 2280 (mm)



Characteristics

- 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



Continuous gas supply due to redundant design

Safe cylinder changing with system guided purge procedure

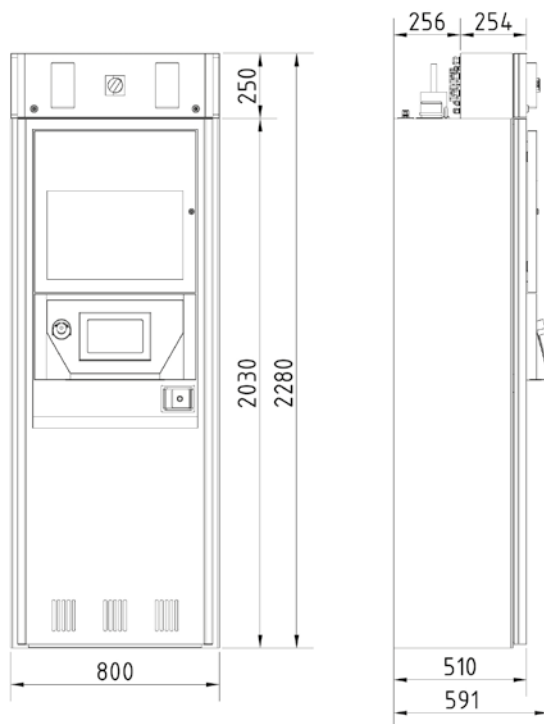
Tests and qualification

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
- TRGS
- 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



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