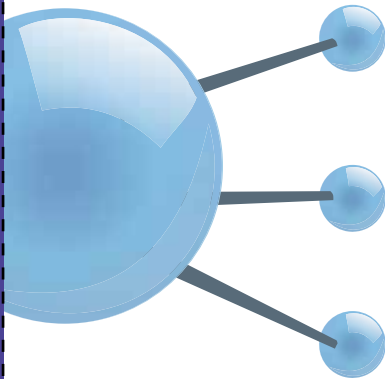


FabStream™ BGDS™: Bulk Gas Delivery System



FabStream™ BGDS™ is designed to provide end users with a continuous supply of gas from bulk sources: bundles, ton tank, truck trailers.

The full automatic BGDS™ is designed for all process gas applications. Switchover panels with in-house purge operation sequences allow to maintain the quality and the purity of the gas.

FabStream™ BGDS™ with Patented AVP (All Vapor Phase) is designed to sustain up to 6,000 slpm liquefied gas delivery with unsurpassed reliability.



→ Applications

Industries and processes requiring high purity high reliability gas delivery systems supplied by bulk container.

→ Operation

The FabStream™ BGDS™ delivers an uninterrupted supply of process gas via the auto-switchover of two supply cylinders. The controller performs an automatic purge cycle prior to a cylinder change to enable a reliable, efficient and safe cylinder change without contamination.



- Up to 6,000 slpm flow rate
- Up to 6,000 slpm flow rate
- High Reliability
- Patented AVP (All Vapor Phase) technology to handle high flow liquefied gas dispense
- PLC controlled system
- Redundancy of the process valves for augmented safety
- JT Heater

Product description

Features

- Compatible with all type of bulk sources
- Autoswitch for continuous supply
- Maintain quality and purity specifications using process gas on site
- Double stage pressure regulation
- Modular panel design
- Pigtail design for purge efficiency and purge gas cost saving
- Automatic purge sequences validated with live ESG
- PLC and 10" color touch screen
- Dynamic real-time information: schematic, pressure, weight and alarms with user-friendly HMI
- All controllers include TCP/IP Ethernet Communication
- Weight scale for liquefied gas level controlling

Options

- Filters
- EFS (Excess Flow Switch)
- Pigtail box
- Dedicated purge panel
- Induction patented AVP (All Vapor Phase)
- Scrubber

Reliability

- MTBF*: 3 years
- MTTR**: <2 hours
- Uptime: 99.999%

*Mean Time Between Failure

** Mean Time To Repair

Safety features

- Valves redundancy
- Exhaust flow alarm
- Several alarm settings and parameters
- Precise alarm messages
- Multilevel password protection to restrict access to critical functions
- Increase safety and eliminate human hazards during container changes
- Emergency gas shutdown
- Temperature alarms associated with AVP models
- N₂ purge and vacuum pressure indications

Technical specifications

Utilities requirements

Venturi Service Nitrogen	6 bar, 50 slpm
UHP Purge Nitrogen	6 bar, 10 slpm
Clean Dry Air (pneumatic for valves)	6 bar, 10 slpm
Vent	Connected to scrubber
Electricity (power & ground)	110-240 VAC, 50/60 Hz
Electricity for heaters (power & ground)	Single phase, 110VAC, 32A, 60Hz, 220VAC, 6A, 50Hz

Dimensions

	Height	Width	Depth
2-panel design	2,109mm	1,065mm	776mm
3-panel design	2,109mm	1,700mm	776mm

Certifications

CE Mark
Other on request

Contacts

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