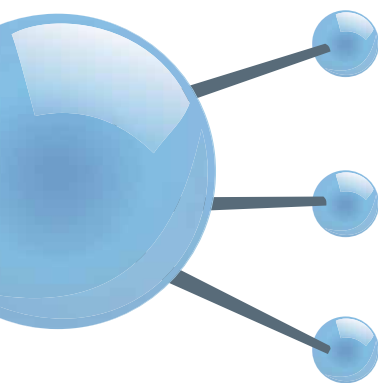


FabStream™ BGDS

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 unsurpassed liquefied gas flow with high 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 sources.

The controller performs an automatic purge cycle prior to a source change to enable a reliable, efficient and safe source change without contamination.



✓ Unsurpassed flow

✓ 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

✓ Joule-Thomson heater



Product description

Features

- Compatible with all type of bulk sources
- Autoswitch for continuous supply
- Maintain source gas purity
- Automatic purge sequences for source change and maintenance
- Double stage pressure regulation
- Modular panel design
- Pigtail design for purge efficiency and purge gas cost saving
- PLC and 10" color touch screen
- Dynamic real-time information: schematic, pressure, weight and alarms with user-friendly HMI
- TCP/IP Ethernet Communication on all controllers

Options

- Dedicated purge panel
- Patented induction heating system
- Patented AVP (All Vapor Phase) regulation system
- Filters
- EFS (Excess Flow Switch)
- Weight scale for liquefied gas level controlling
- Double containment pipe pressure management
- Several communication protocol available
- Z-purge for the system controller
- Scrubber
- Pigtail box
- Start-up assistance and training

Safety features

- Exhaust flow alarm
- Gas leak detection
- Several alarm settings and parameters
- High level of security with multi-level user passwords
- Automatic dispense and purge minimizing human errors
- Audible and visual warning and alarms
- Emergency gas shutdown

Reliability

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

*Mean Time Between Failure

** Mean Time To Repair

Technical specifications

Utility 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
Gas Cabinet BGDS	1,827mm (Gas Cabinet)	740mm 1,040 with heating box	510mm (Gas Cabinet)
Gas Cabinet BGDS extended (gas panel size)	2,087mm with electrical box	1,091mm 1,391 with heating box	710mm with electrical box
Rack BGDS	1,803mm (Gas rack)	714mm 1,014 with heating box	475mm (Gas rack)
Rack BGDS extended (gas panel size)	2,065mm with electrical box	1,241mm 1,541 with heating box	694mm with electrical box
			480mm (Gas rack)
			702mm with electrical box

Certifications

- CE Mark
- Other upon request



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