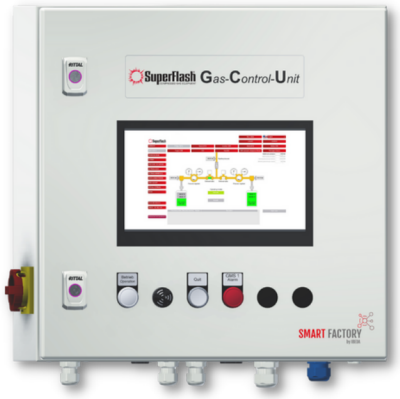
Gas Manifold Systems

Gas Control Unit: GCU

Gas Control Unit for controlling and monitoring of gas manifold systems



Highlights

- Reduces process costs
- Reduces cylinder inventories and rental costs with electronic inventory notifications
- Real-time alerts sent via email
- Continuous monitoring of lines prevents gas loss due to leakage and increases safety
- Electronic monitoriing of pressure regulators prevents gas loss due to venting
- Can be RETROFITTED to existing manifolds
- Maintenance reminders
- Monitor and Control via web
- Provides statistical analysis via MQTT and OPC-UA
- Record pressure information
- Optimization of regenerated gas resources

Use in explosive areas:

- The GCU must always be installed outside the potentially explosive area.
- Alarm devices (pressure transmitters) installed within a potentially explosive atmosphere must be controlled via an ATEX-approved switch amplifier.
- When ordering, the number of gas manifold systems that are operated in the explosion protection area must be supplied.
- The appropriate numbers of switch amplifiers are integrated into the GCU based on a number of manifold systems.

Technical Data:

Model:	GCU-1	GCU-2	GCU-3	GCU-4	GCU-5	GCU-5
Number of connectable gas manifold systems	1	2	3	4	5	5
Size [LxWxH mm]	535 x 535 x 223			635 x 635 x 263	635 x 835 x 313	
Voltage:	110 – 230 V/50 – 60 Hz					
Max power input:	1,3 A					
Safety class:	IP55					
Analogue inputs 4-20mA:	3	6	9	12	15	18
Digital outputs 24 V/DC max 500 mA/outlet:	2	4	6	8	10	12

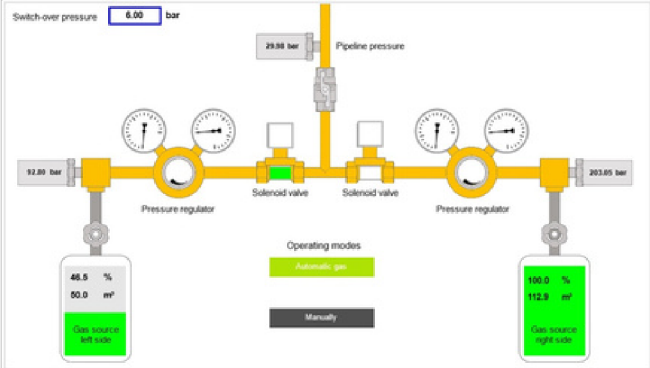
Further versions upon request.

1-888-327-7306
www.oxyfuelsafety.com I sales@oxyfuelsafety.com
28825 Ranney Parkway, Cleveland, OH 44145

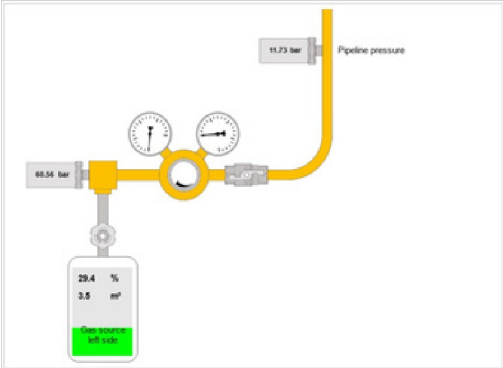
Gas manifold systems

Type*:* GCU

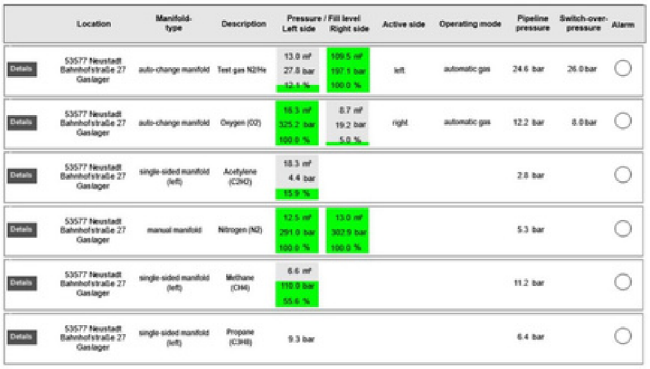
Picture:
Electrically controlled auto-change gas manifold system



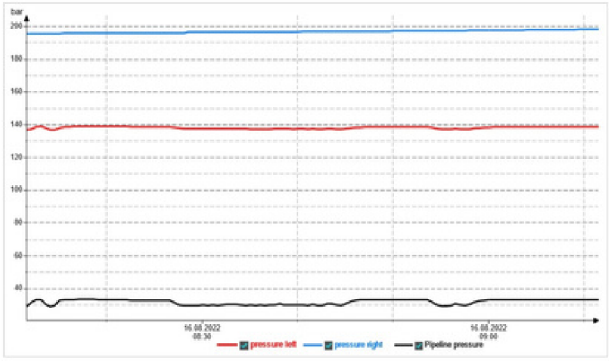
Picture:
Single-sided gas manifold system



Picture
Overview of all connected gas manifold systems



Picture:
Trend-chart of a gas manifold system



Certification/ Technical Standards/ Rules

TRBS German Technical rules for operation safety, DVS German Association for Welding, Cutting and Allied Processes, DGUV German Employer´s liability insurance association rules and regulations.

Standards/ Approvals

Standards/ Approvals

Company certified according to ISO 9001:2000,
CE-marking according to: Directive 2014/35/EU

(Subject to change without notice)

1-888-327-7306
www.oxyfuelsafety.com I sales@oxyfuelsafety.com
28825 Ranney Parkway, Cleveland, OH 44145