



FlexGas™ Cylinder Gas Cabinet

Cylinder Cabinet

Standard Configurations

- 1-cyl, [1-process]
- 2-cyl [1-process, 1-purge]
- 2-cyl [2-process]
- 3-cyl [3-process]
- 3-cyl [2-process, 1-purge]

* Optional Purge Sidecar

Gas Panel/Manifold Purity

Standard Configurations

- UHP construction: orbitally welded/VCR® 316L SS or VIM/VAR
- UHP regulator (non-tied diaphragm standard)
- UHP diaphragm valves (10 Ra standard)

UHP Gas Panels

Standard Configurations

- 1,2,3,4,5 and 6-Valve designs

UHP Gas Panel options

- Dual stage regulators
- Outlet filters (0.003 um)
- DISS cylinder fittings
- Pressure relief

The FlexGas™ Gas Cabinet is designed to cover a wide range of cylinder gas delivery applications. In its simplest form, the FlexGas Gas Cabinet houses 1, 2 or 3 gases, and includes a high purity, manual gas panel for each gas. Modular FlexGas™ Panels are available in 1, 2, 3, 4, 5 and 6-Valve designs for Process and Instrumentation Diagrams. Each panel may be tailored to the specific gas and application.

With the addition of the optional FlexPowr™ Controller, the FlexGas Cabinet can support a myriad of automated features such as: Auto-Switchover, Excess Flow Sensors, Low Cylinder Pressure Alarms, High Delivery Pressure Alarms, Gas Leak Sensors, Scales and more. The FlexPowr Controller also supports user-settable alarm inputs and user-settable alarm outputs. EMO slambutton and Exhaust Pressure Sensor are standard with the FlexPower controller option.



2-Cylinder Model
w/ UHP Gas Panels and optional
FlexPowr™ Controller

SDC, A Total Solutions Provider for Your Gas and Chemical Management Needs

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Optional FlexPowr™ Controller

- Automatic shutdown of process gas panels
- Up to 10 user-definable alarm inputs
- Up to 2 user-definable alarm outputs
- Audible/visible alarm indication
- EMO button
- Multilevel password protection

FlexPowr™ Control Options

- LOW cylinder pressure switch
- HI or LOW delivery pressure switch
- Integrated gas leak detection
- Integrated UVIR sensor
- Excess flow sensor

Other Equipment Options

- Adjustable cylinder shelves
- Vesta heat control system
- Outlet splitters
- Cylinder scales
- Coax jacket monitor
- Restrictive flow orifices

Dimensions

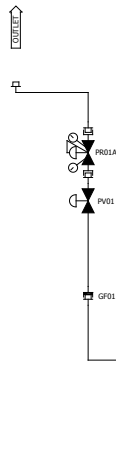
- 1-cyl: 18"W x 72"H x 19"D
- 2-cyl: 24"W x 72"H x 19"D
- 3-cyl: 36"W x 72"H x 19"D

SDC

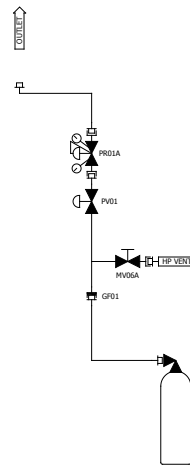
OEM discounts and private-labeling services available.

FlexGas™ Cylinder Gas Cabinet

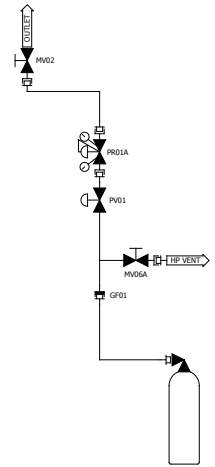
1-Valve



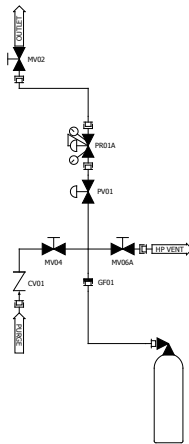
2-Valve



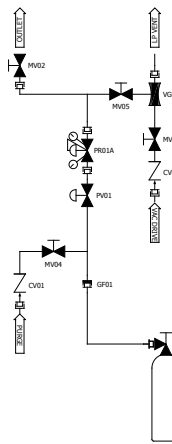
3-Valve



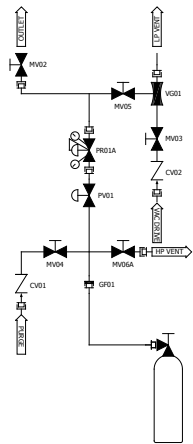
4-Valve



5-Valve



6-Valve



FACILITIES REQUIREMENTS

¹ Pneumatic Supply	Adjustable to 90 psig	1 slm max.
² Process Purge	Adjustable to 85 psig	30 slm max.
³ Vacuum Drive	Adjustable to 60 psig	70 slm max.
⁴ Process Vent	>1.0" WC	100 slm
¹ Power	115V/3A	N/A
Sprinkler [if used]	30 psig	31 gpm
Exhaust	>0.15" WC	300 scfm (2-cyl)
	>0.15" WC	450 scfm (3-cyl)

¹Needed only with optional FlexPowr™ Controller

²Needed only with 4, 5 and 6-Valve gas panel configurations

³Needed only with 5 and 6-Valve gas panel configurations

⁴Needed only with 3, 4, 5 and 6-valve gas panel configurations

⁵Damper must be adjusted to meet 200 fpm face velocity as required by UFC

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