SDC

FlexGas™ Mini-Purge
Cylinder Gas Cabinet

Cylinder Cabinet
Standard Configurations

➤ 1-cyl, [1-process]

Gas Panel/Manifold Purity
Standard Configurations

➤ UHP construction: orbitally welded/VCR® 316L SS or VIM/VAR

➤ UHP grade regulator

➤ UHP grade diaphragm valves

HP Gas Panels
Standard Configurations

➤ 3-Valve design [HP vent]

➤ 4-Valve design [adds PURGE]

➤ 6-Valve design [adds EVAC]

Gas Panels/Options
Standard Configurations

➤ 10 Ra surface finish

➤ Dual stage regulators

➤ Outlet filters (0.003 um)

➤ DISS cylinder fittings

The FlexGas™ Mini-Purge Gas Cabinet is a re-packaged wall-mount version of the widely successful full-size FlexGas™. This miniature semi/manual gas cabinet boasts all of the same features, component quality and UHP construction of the FlexGas™. Housing one process cylinder (up to 19"H x 8"D). With the addition of the optional FlexPowr™ Controller, the FlexGas™ Mini-Purge Cabinet can support a myriad of automated ALARM and panel SHUTDOWN options such as: Excess Flow Sensors, Low Cylinder Pressure Alarms, High Delivery Pressure Alarms, Gas Leak Sensors, Scales and more. The FlexPowr™ Controller can support up to eight (8) user-settable alarm inputs and eight (8) user-settable alarm outputs. EMO slam button and Exhaust Pressure Sensor are included with the FlexPowr™ Controller option.

Standard 1-cylinder configuration with external purge

From the "Fab to the Lab," SDC puts first tier semiconductor grade safety and quality within reach. For more hazardous applications, be sure to see the Ciphercon™ Fully Automated wall mount gas cabinet.

Optional FlexPowr™ Controller

➤ Automatic shutdown of process gas panels

➤ Up to 8 user-definable inputs

➤ Up to 8 user-definable outputs

➤ Audible/visible alarm indication

➤ EMO button

➤ Multilevel password protection

FlexPowr™ Control Components

➤ Exhaust pressure switch

➤ HI cylinder pressure switch

➤ HI delivery pressure switch

➤ Integrated gas leak detection

➤ UVIR detection

➤ Excess flow sensor

Other Equipment Options

➤ Adjustable cylinder shelves

➤ Restrictive flow orifices

➤ Cylinder scales

➤ CGA torque wrenches

Dimensions*

➤ 1-cyl: 18"W x 38"H x 17"D

* Includes optional FlexPowr™ controller.

Codes and Standards Referenced

➤ ASME Section IX

➤ CGA®

➤ CE®

➤ Semi S2®

➤ NFPA®

➤ UL®

FlexGas™ Mini-Purge
Cylinder Gas Cabinet

FlexGas™ Mini-Purge makes it easy to meet your exact gas delivery needs. Our modular design concept allows you to use a building-block method to configure a gas cabinet to your specifications. Add safety and peace-of-mind by purchasing the optional FlexPowr™ Controller. Simply select which panels you want to shutdown on ALARM, and they will be fitted with a normally-closed ESO Valve for automatic shutdown. The FlexPowr™ Controller supports up to 8 dry contact alarm inputs. Exhaust pressure switch, gas leak detection, and UVIR are just some of the optional controls components available to prompt shutdown.

Please note that manual and/or semi-automated systems like the FlexGas are not recommended fur use in all applications. SDC recommends that FULLY AUTOMATED SYSTEMS be used for toxics, corrosives, pyrophorics, and other highly hazardous gases/ liquified gases.

FACILITIES REQUIREMENTS

[1]Pneumatic Supply	Adjustable to 90 psig	1 slm max.
[2]Process Purge	Adjustable to 80 psig	30 slm max.
[3]Vacuum Drive	Adjustable to 85 psig	85 slm max.
[4]Process Vent	>1.0" WC	100 slm
[1]Power	115V/3A	N/A
Sprinkler [if used]	30 psig	31 gpm
[5]Exhaust	>0.15" WC	150 scfm

[1]Needed only with optional FlexPowr™ Controller
[2]Needed only with 4-Valve, 6-Valve gas panel configurations
[3]Needed with 6-Valve gas panel configurations
[4]Needed with 3, 4, 6-Valve gas panel configurations
[5]Damper must be adjusted to meet 200 fpm face velocity as required by UFC

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