

# SDC

## Rack System

Standard Configurations:

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

## Gas Panel Purity

Standard Configurations:

- UHP: panels & manifolds are orbitally welded/VCR® construction, 316L SS [20Ra]

## UHP Gas Panels

Standard Configurations:

- 3-Valve design [HP vent]
- 4-Valve design [adds PURGE]
- 5-Valve design [adds LP VENT]
- 6-Valve design [adds EVAC]

## UHP Gas Panels

Options:

- 10 Ra surface finish
- Dual stage regulators
- Outlet filters
- DISS cylinder fittings

## Industrial Gas Panels

Standard Configurations:

- 3-Valve process gas panel [adds HP vent, 1-Valve is standard]

# FlexGas™

## Non-Haz Gas Rack

Sister product and non-haz counterpart to the widely successful FlexGas™ UHP Gas Cabinet, the FlexGas™ Gas Rack is designed to cover the widest range of cylinder gas storage & delivery applications. SDC, a time-proven manufacturer of safe, high quality non-haz gas farms & gas delivery systems for the 1st-Tier semiconductor industry, has seen the need for similarly safe & clean systems in other industries. As codes, local regulations and insurance guidelines tighten, more sophistication and control is required from what was once a “strap a cylinder to the wall” philosophy! Airgas’ modular design concept allows the customer to tailor each system to meet their safety, process, purity AND budgetary goals.



FlexGas™ 2-Cylinder  
Non-Haz Gas Rack

The simplest industrial shop system may be configured with a 1-Valve brass gas panel in an exhausted enclosure. More complex systems may include up to 3 UHP grade gas panels with manual PURGE/EVAC capability, gas leak detection & ESO control.

### FlexPowr™ Controller

- Touch Screen Display
- Up to 8 user-definable inputs
- 8 spare “user configurable” INPUTS
- 8 spare “user configurable” OUTPUTS
- EMO button

### Control Components w/FlexPowr Controller only:

- Exhaust pressure switch
- HI cylinder pressure switch
- HI delivery pressure switch
- Integrated gas leak detection

### Other Equipment Options

- Adjustable cylinder shelves
- Restrictive flow orifices
- Cylinder scales
- CGA torque wrenches

### Dimensions

- 1-cyl: 24”W x 72”H x 17”D
- 2-cyl: 24”W x 72”H x 17”D
- 3-cyl: 36”W x 72”H x 17”D



OEM discounts and private-labeling services available.

## FlexGas™ Non-Haz Gas Rack

FlexGas™ 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 ..... “no more paying way too much for a system that far-and-away exceeds your requirements.” Start by choosing one of several “rack” configurations. Begin customizing right at the gas panel level by selecting the gas panel purity. From the standard 3-Valve UHP panel, you can choose to add PURGE capability (4- Valve) or PURGE/EVAC capability (6-Valve). 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 ESO Controller supports up to 4 dry-contact alarm inputs. Exhaust pressure switch, gas leak detection, & 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 for 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

|                                     |                       |             |
|-------------------------------------|-----------------------|-------------|
| <sup>1</sup> CDA                    | Adjustable to 90 psig | 1 slm max.  |
| <sup>2</sup> Purge N <sub>2</sub>   | Adjustable to 85 psig | 85 slm max. |
| <sup>3</sup> Venturi N <sub>2</sub> | Adjustable to 60 psig | 30 slm max. |
| Process Vent                        | >1.0” WC              | 100 slm     |
| <sup>1</sup> Power                  | 115V/3A               | N/A         |

<sup>1</sup>Needed only with optional ESO Controller

<sup>2</sup>Needed only with 4-Valve, 5-Valve, 6-Valve gas panel configurations

<sup>3</sup>Needed with 6-Valve gas panel configuration