

SDC

Symlicity™ HP

High Purity Auto-Switchover Panel

Standard Features

- Pressure based auto-switchover and gas delivery of 2 cylinders
- Primary switchover regulator (set delivery pressures of 50, 100, 150, 200 psig)
- Maximum inlet pressure up to 3000 psig
- Cylinder pressure indication (SIDE A and SIDE B)
- Inlet isolation valves and check valves (SIDE A and SIDE B)
- Outlet shutoff valve
- SIDE A and SIDE B pigtails with CGA (1/4" SS bellows w/SS overbraid standard)
- System customized for each gas and application
- Wall mountable

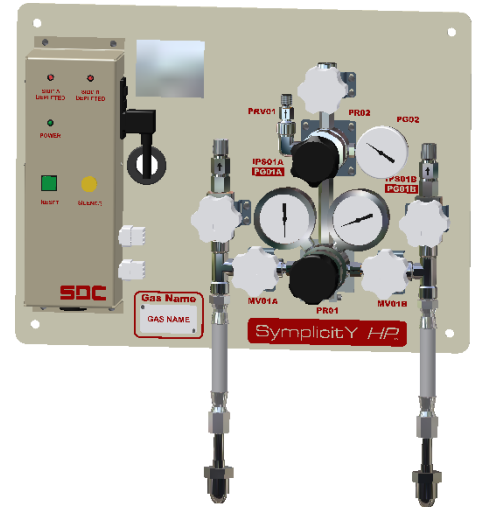
Optional Controls Features

- Hard-wired relay logic
- Status LEDs for SIDE A and SIDE B cylinder depleted
- Audible alarm
- Silence button
- ON/OFF switch
- Remote outputs for cylinder depleted and delivery pressure (type: Form C contacts)

SDC's Symlicity™ HP provides

High Purity (HP) process gas delivery in an auto-switchover design for uninterrupted gas supply. With its modular system design, the Symlicity HP supports up to four (4) points-of-use with minimal additional capital equipment investment. Here SDC applies its extensive Ultrahigh Purity chemical and gas delivery expertise to lower purity, industrial applications. The Symlicity HP is ideal for auto-switchover of cylinders and dewars.

The heart of this cost-effective process gas panel is the changeover regulator. When the primary supply cylinder comes close to depletion, the changeover regulator automatically begins intake from the second cylinder while delivering at a slightly lower



Symlicity™ HP
w/optional StatBox™ and
Pigtail Vent Valves

delivery pressure. This pressure is raised by simply rotating the regulator handle 180 degrees. The depleted cylinder can now be replaced without affecting delivery from the new primary cylinder. SDC surrounds this regulator with a HP Design that offers safety, purity and performance in a budget minded package.

Symlicity™ HP

High Purity Auto-Switchover Panel

Options

- Secondary adjustable regulation and delivery pressure indication
- Pigtail vent valves to remove potential contamination during cylinder changeout.
- Vent check valves included to prevent back-streaming
- Controls package (must be accompanied by the indicating pressure switches option)
- Indicating pressure switches
- SDC's FastRack™ panel mounting system
- Cylinder restraint system
- Cylinder shelf
- Upgrade to all 316L SS construction

Dimensions:

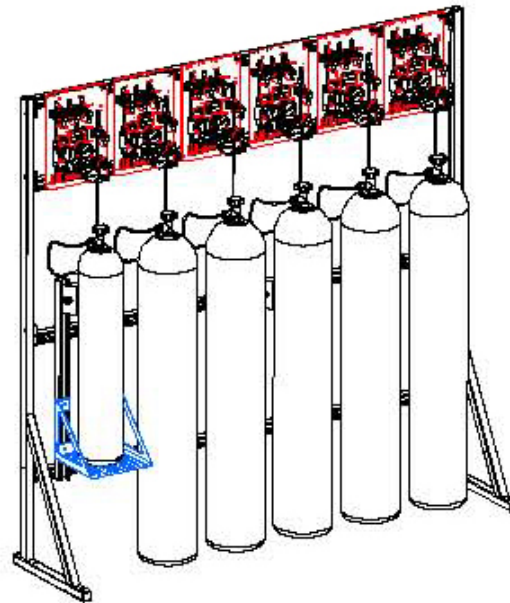
- 20"W x 15"H

Codes and Standards Referenced

- ASME Section IX
- OSHA 29 CFR 1910, subparts S and H
- NFPA® 79 Electrical Safety for Industrial Machinery
- Semi S2 Safety Guidelines for Semiconductor Manufacturing Equipment



OEM discounts and private-labeling services available.



FastRack™ Cylinder Support Frames

- Modular design
- Field expandable
- Optional micro-adjustable cylinder shelf for shorter cylinders
- Easily assembled and shippable via standard methods

The optional StatBox™ provides an audible and visual alarm when any one of the cylinders reaches its' preset depletion limit. ONLINE, SIDE "A" DEPLETED, and SIDE "B" DEPLETED LED's provide quick visual status while the piezo audibly alarms when activated.

Process purity levels are ensured through the use of top quality 316L SS or Ni plated brass tubing and components. The flow paths include the switchover regulator, valves, gauges, fittings, CGA's, optional check valves and secondary regulator. The flex pigtails are SS w/SS overbraid.