

SDC

Symplcity™ UHP Manual Switchover Panel

Standard Features

- Expandable to eight (8) points-of-use
- Primary regulation
- Indicating pressure switches or gauges for each cylinder
- Delivery pressure gauge
- Pigtail vent to remove potential contamination during cylinder change-out. (For systems purchased without the PURGE/EVAC option)
- Vent check valves to prevent back streaming
- Minimized DEAD LEG process gas path
- UHP 316L SS or VAR components, fittings, and tubing

Options

- P-Vac™ manifold
- HIGH FLOW model
- Point-of-use regulation (up to 8)
- Dual stage primary regulator
- Optional filtration

SDC's Non-Haz Gas Management Product Line expands the possibilities of your Ultra-High-Purity process gas distribution with the redesigned Symplcity™ Manual-Switchover Panel. Its modular system design supports up to eight (8) points-of-use with minimal additional capital equipment investment. The Symplcity is ideal for manual-switchover of cylinders and dewars.

The Symplcity UHP Non-Haz Gas Panel safely and conveniently delivers a wide variety of gases in a user friendly, cost conscious package. The simple layout allows for easy operation of all gas panel functions. All valves are clearly marked to ensure accurate panel function. All plumbing assemblies are mounted to an aluminum backplane that is easily mounted to SDC's FastRack™ or a Customer supplied structure.

When the primary supply cylinder becomes depleted, the customer



**Symplcity™
UHP Manual Switchover Panel**

can effortlessly switch to the reserve cylinder. The depleted cylinder can now be replaced without affecting delivery from the new primary cylinder, greatly reducing costly downtime.

Symlicity™

UHP Manual Switchover Panel

Process Benefits

- Reserve of process gas
- Ultra Pure package design
- Expandability
- Clean cylinder change-out with pigtail vent
- Ultra-Pure cylinder/dewar change-out with P-Vac™ option

Dimensions

- 24"W x 25"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
- Semi S8-95 Safety Guidelines for Ergonomical/Human Factors Engineering of Semiconductor Manufacturing



OEM discounts and private-labeling services available.

The Symlicity™ features PURGE/EVAC capability with the optional P-Vac™ manifold. Either cylinder can be evacuated all the way to the CGA fitting with SDC's proprietary mini-venturi tee while the complimentary cylinder is still online! Ultrahigh Purity change-out of cylinders can now be performed with a constant UHP N₂ purge of the pigtail. Again, this procedure can be done while the opposite cylinder continues to provide an uninterrupted supply of UHP gas to process.

Process purity levels are ensured through the use of top quality 316L and VAR SS tubing and components. All UHP wetted flow paths including purge panels, pigtails, and other dynamic pressure bearing components are welded by ASME Section IX Certified Weld Technicians. SDC's Certified 3rd party orbital Welding Procedure includes:

- Procedure Qualification of Record
- Welding Procedure Specifications
- Welder Performance Qualifications

FACILITIES REQUIREMENTS

Description	Pressure	Flow
PURGE/EVAC gas (w/ P-vac™ option only)	adjustable to 75 psig	85 slm max.
Process Vent	0.1" - 2.0" WC or ambient	100 slm max.