

# SDC

## Symlicity™ UHP Auto-Switchover Panel

### System Features

- FlexPowr™ Controller
- Scale or pressure based auto - switchover
- Multiple Outlets
- Adjustable primary regulator
- Indicating cylinder pressure switches
- Delivery pressure gauge
- HP vent check valves to prevent back streaming
- Minimized DEAD LEG process gas path
- All UHP/Semiconductor grade components, 10Ra

### FlexPowr™ Controller Features

- PLC control of all critical functions
- Color touch screen, 4"
- Proven auto-sequenced routines for all aspects of operations and maintenance
- User settable limits for all process and alarm parameters
- On screen warnings, alarms, prompting and instructions
- EMO and EGO inputs
- Alarm outputs
- Multi-level password protection

The Symlicity™ UHP Auto-Switchover Panel is an Ultra-High-Purity (UHP) gas panel designed for uninterrupted supply of gas to one or more points-of-use. The heart of this cost-effective panel is the FlexPowr™ Controller and centrally located 4" touch screen interface.

When the primary supply container becomes depleted to the user-settable low pressure limit or low scale weight limit, the Symlicity automatically switches to the standby cylinder. The depleted cylinder can now be replaced without affecting delivery from the new primary cylinder. This automatic feature delivers true zero downtime.

The Symlicity is available in standard ¼" and HI-FLOW ½" models with a standard ten 10Ra surface finish.



Standard Symlicity™



Calibration Screen: PANEL A  
(Sample screen-shot)

# Symlicity™ UHP Auto - Switchover Panel

## Standard Source Configurations

- 1-cylinder x 1-cylinder
- 1-dewar x 1-dewar
- 1-dewar x 1-cylinder

## Options

- HIGH FLOW model
- Cylinder or dewar scales
- Filtration
- Purification
- 316L flexhose
- Multi-cylinder pigtails
- Cylinder pak pigtails

## Dimensions

- 24"H x 24" W

## 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 Ergonomics/Human Factors



OEM discounts and private-labeling services available.

Process purity levels are ensured through the use of top quality 316L SS or VIM/VAR 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



Symlicity™ UHP  
Auto-Switchover Panels  
mounted on a FastRack™

## FACILITIES REQUIREMENTS

Pneumatic Supply	adjustable to 90 psig	1 slm max.
Power	115V/3A	N/A
Vent	—	—