

SDC

MicroLine™ UHP Manual Gas Panels

Standard Features:

- UHP orbitally welded/VCR®
- UHP 1/4 turn diaphragm valves
- Precision UHP grade regulator
- High and low pressure gauges
- Welded pigtail with CGA®
- Electropolish, 10Ra

Standard Configurations:

- 1-Valve [pre-regulator shut-off]
- 2-Valve [adds HP vent]
- 3-Valve [adds post-regulator shutoff]
- 4-Valve [adds PURGE CIRCUIT]
- 4-Valve DP [adds DEEP PURGE PIGTAIL]
- 6-Valve [adds LP vent and EVAC CIRCUIT]
- 6-Valve DP [adds DEEP PURGE PIGTAIL]

Options:

- Pressure relief
- Vent check valve [HP]
- Vent RFO [HP]
- Outlet filter [30, 100, 150 slm, 0.003 micron]
- DISS cylinder fittings
- 2 or 3-Position outlet splitter
- Flexible Pigtail (non-UHP)

MicroLine™ UHP Manual Gas Panels

are designed for high and low pressure, High Purity (HP) and Ultra-High-Purity (UHP) gas delivery. Typically used for non-hazardous purge and process gas delivery applications, the MicroLine Series offers 1, 2, 3, 4 and 6-Valve designs. The manifold design ensures low entrapped volumes and minimized dead-legs for increased purity. SDC's modular design concept allows the customer to tailor each system to meet their safety, process, purity and budgetary goals.

The product configurations range from the simplest 1-Valve design for non-hazardous use up to a 6-Valve design that offers HIGH PRESSURE VENT, LOW PRESSURE VENT, DEEP PURGE and venturi assisted EVAC. MicroLine™ Series UHP Gas Panels can also be fitted with a myriad of options including pressure relief, filtration, restrictive flow orifices, flexible pigtails and more. SDC also offers free-standing gas rack platforms to consolidate your gas panels and/or controls. See back page for a photograph of SDC's rack system.



MicroLine™
3-Valve Panel
(no options)

Dimensions:

- 10.5"W x 15.5"H
- 10.5"W x 27"H with FlexPowr™ Controller

FlexPowr™ Controller Options:

- For automatic shutdown of MicroLine™ panel
- Color touch screen display
- User configurable – INPUTS / OUTPUTS
- EMO
- SCADA compliant using Modbus® or other open protocol over Ethernet®

Regulator Options:

- Single stage [tied-diaphragm]
- Dual stage [non-tied]
- Dual stage [tied]
- Absolute Pressure Regulator
- Hastelloy® Trim
- Pressure ranges [30, 60, 100, 250, 500, 1000 psig]

Other Equipment Options:

- Pre-regulator filter [0.4 micron]
- Cylinder scales [with LCD digital indicator]
- Cylinder scales [with LCD digital indicator and setpoint alarms]
- CGA/DISS torque wrenches
- ESO valve
- Panel mounted solenoid for ESO Valve
- Pressure switches

All welding and assembly is performed in a 4000 ft² CLASS 100 CLASS 10 clean room facility by ASME® Section IX. Certified Weld Technicians.



OEM discounts and private-labeling services available.

MicroLine™ UHP Manual Gas Panels

1-Valve	2-Valve	3-Valve	4-Valve
<ul style="list-style-type: none"> • Single Stage Regulator • Regulator Isolation Valve • High & Low Pressure Gauge • Pigtail w/CGA 	<ul style="list-style-type: none"> • Adds High Pressure Vent Valve [MV02] 	<ul style="list-style-type: none"> • Adds High Pressure Vent Valve [MV02] • Adds Process Outlet Isolation Valve [MV03] 	<ul style="list-style-type: none"> • Adds High Pressure Vent Valve [MV02] • Adds Process Outlet Isolation Valve [MV03] • Adds Purge Inlet Iso. Valve [MV04] • Adds Purge Inlet Check Valve [CV01]
4-Valve - Deep Purge	6-Valve	6-Valve - Deep Purge	
<ul style="list-style-type: none"> • Adds High Pressure Vent Valve [MV02] • Adds Process Outlet Isolation Valve [MV03] • Adds Purge Inlet Iso. Valve [MV04] • Adds Purge Inlet Check Valve [CV01] • Adds DEEP PIGTAIL PURGE capability 	<ul style="list-style-type: none"> • Adds High Pressure Vent Valve [MV02] • Adds Process Outlet Isolation Valve [MV03] • Adds Purge Inlet Iso. Valve [MV04] • Adds Purge Inlet Check Valve [CV01] • Adds LOW PRESSURE VENT & venturi EVAC CAPABILITY [MV05, VG01, MV06, CV02] 	<ul style="list-style-type: none"> • Adds High Pressure Vent Valve [MV02] • Adds Process Outlet Isolation Valve [MV03] • Adds Purge Inlet Iso. Valve [MV04] • Adds Purge Inlet Check Valve [CV01] • Adds DEEP PIGTAIL PURGE capability • Adds LOW PRESSURE VENT & venturi EVAC CAPABILITY [MV05, VG01, MV06, CV02] 	



MicroLine™ Panel with FlexPowr™ Controller and ESO Valve

MicroLine™ UHP Gas Panel with FlexPowr™ Controller mounted on a FastRack™