

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®
- All components and fittings are UHP grade 316L SS or VAR (20 Ra standard)

Standard Configurations

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

Options

- 10 Ra surface finish
- Pressure relief
- Vent check valve [HP]
- Vent RFO [HP]
- Outlet filter [30 or 150 slm, 0.003 micron]
- DISS cylinder fittings
- 2 or 3-Position outlet splitter

MicroLine™ UHP Manual Gas Panels

are designed for high and low pressure, 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 plumbing design ensures low entrapped volumes and minimized dead-legs for increased purity. First Nano'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.



MicroLine™
3-Valve Panel

Regulator Options

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

Other Equipment Options

- Pre-regulator filter [0.3 micron]
- Cylinder scales [with LCD digital indicator]
- Cylinder scales [with LCD digital indicator and setpoint alarm]
- CGA/DISS torque wrenches
- ESO valve
- Panel mounted solenoid for ESO Valve
- Pressure switches

Dimensions

- 10.5"W x 15.5"H

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

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OEM discounts and private-labeling services available.

MicroLine™ UHP Manual Gas Panels

1-Valve	2-Valve	3-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]
4-Valve	4-Valve - Deep Purge	6-Valve
<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] 	<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 DEEP PIGTAIL PURGE capability • Adds LOW PRESSURE VENT & venturi EVAC CAPABILITY [MV05, VG01, MV06, CV02]

SDC, A Total Solutions Provider for Your Gas and Chemical Management Needs

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