

## Mass Flow Controllers and Liquid Flow Meters

### Features

#### **Baratron Capacitance Manometers & Valves**

- All pressure devices are calibrated on automated MKS Vacuum Diagnostic Systems.
- These systems allow our technicians to test from 10 Mtorr to 5000 Torr with +/- .08% of reading accuracy.
- Provide a complete service, including sensor and PCB replacement if needed.
- Re-ranging service for all manometers as well as calibration of pressure controllers and pressure devices is available.
- Our exacting rebuild process starts with dismantling of each valve, which is subsequently cleaned and inspected.
- Using a proprietary system purpose built for testing valve functions, Semigroup analyzes motor function.
- Checks valve positioning, validates leak integrity and tests flapper assembly functions on every valve.
- Based upon test results each valve is rebuild as needed to conform to manufacture's specifications.
- New seal and bearing kit is installed in every valve.
- Teflon recoating is applied as needed.
- Prior to packaging, a three phase quality assurance test represents the final phase of our rebuilding process.

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SemiGroup is The Leader in After-Market Semiconductor Equipment Support and Industrial Manufacturing Equipment!

SemiGroup's technical expertise assures you the highest quality of new and refurbished parts and assemblies available on the market. All parts and assemblies are configured to meet or exceed the OEM (Original Equipment Manufacturer's) Specifications.

Semigroup also offers Refurbishment Services on an array of products and services ranging from Printed Circuits Boards, Robot Assemblies, Servo Motors, Servo Motor Controllers, Servo Motor Drivers, Servo Packs, Consumable Parts, Gate Assemblies or Slit Valves, Elevator Indexer Assemblies, Lead Screws and Ball Screws, Lifter Assemblies, Temperature Controllers, Harmonic Drives, Gap Drive Assemblies, Arm Assemblies, User Interfaces and Human Interface Devices, Maintenance Kits, Standard and Custom Bellows Assemblies, Temperature Controls Units, Heat Exchangers, Chillers, Solid State Chillers, Thermoelectric Recirculating Chillers, CMP Assemblies, Chemical Mechanical Planarization Parts and Services, Pad Conditioner Arms, Rotary Unions, Custom Cases, Interface Units, Power Supplies, High Voltage Power Supplies, DC Power Supplies, Custom Power Supplies, Vacuum Pumps, Scroll Pumps, RF Generators, RF Matches, Turbo Pumps, Turbo Pump Controllers, High Vacuum Valves, Throttle Valves, Pressure Controllers, Mass Flow Controllers, Impellers, Filters and much more!

For a more detailed list of products and services provided, please visit us at [www.semigroup.com](http://www.semigroup.com).