

Isys Micro

**Rockwell
Automation**

**Encompass™
Product Partner**

Americas • Europe

Customer Value Proposition:

- Compact valve manifold with high flow
- Preferred Connectivity to Rockwell Logix™ Architecture
- Fieldbus ready for centralized or decentralized applications
- Order as a complete assembly with valves, fittings, and mufflers installed
- Bus expansion reduces hardware cost
- Reduced machine size and complexity

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Product Features:

- The Isys Micro is designed with an innovative back-to-back valve mounting style with a 42mm wide manifold holding 4 valves while offering a 0.35 Cv flow.
- Mount 32 valves on a single manifold and daisy chain 4 manifolds off a single fieldbus node. Combine with Isysnet input and output modules to get a full 256 input and 256 output.
- With an IP65 rating on the valves and IP67 rating on the communication module and I/O, the Isys Micro valve solution with Isysnet fieldbus package is great for “Point-of-Use” applications, out on the machine next to the process.



ENGINEERING YOUR SUCCESS.

Isys Micro Valve:

Parker's newest and most innovative valve design offers functionality for every machine configuration.

- **25 Pin D-sub** wiring for smaller machines with discrete outputs on the PLC.
- **Moduflex fieldbus** offers simple node connections for larger machines using fieldbus, with no additional inputs and outputs at the valve manifold.
- **Isysnet fieldbus** offers full functionality for large, complex machines using many valves, inputs, and outputs. By incorporating **bus expansion capability**, the Isys Micro with Isysnet is able to take full advantage of fieldbus systems. Up to 4 Valve Driver Modules, controlling 32 valves each, can be coupled to a single fieldbus node. With additional input and output modules at each expansion point, a full 256 inputs and 256 outputs can be connected, offering a simple wiring solution for the machine.

Isysnet Fieldbus:

By partnering with Rockwell Automation, Parker is able to provide a fieldbus solution with Preferred Connectivity to the Rockwell Automation Logix™ Architecture. Because all the information needed for the device profile is already loaded into the Allen Bradley RSLogix5000™ software, **configuration time is reduced by up to 70%.**

The process, when using Rockwell products, is reduced from **4 clicks and 7 data fields to merely 3 clicks, with no additional values for the user to find and enter.** This means there are no installation manuals to search through, no chance of entering incorrect information, and you can work with confidence knowing the device is configured properly.

Applications:

- Packaging
- Process Control
- Alternative Energy Systems
- Semiconductor
- Automated Assembly
- Dairy Systems
- Fixturing Systems
- Water Treatment Systems

