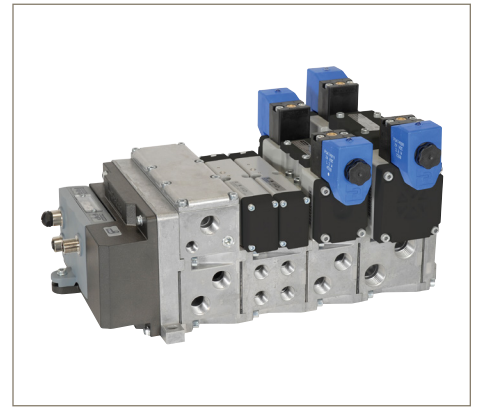


# Network Connectivity for H Series ISO

H Series ISO valve manifold features combined with network connectivity equals enhanced solutions.

Bulletin 0600-B101



## Customer Value Proposition:

Parker's H Series ISO valve manifold offers a host of network nodes (valve end plates) to connect to any industrial network protocol. Network connectivity provides several benefits both mechanically and from a controls and integration perspective for a reduced overall cost of ownership from installation to maintenance.

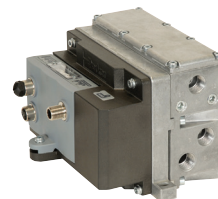
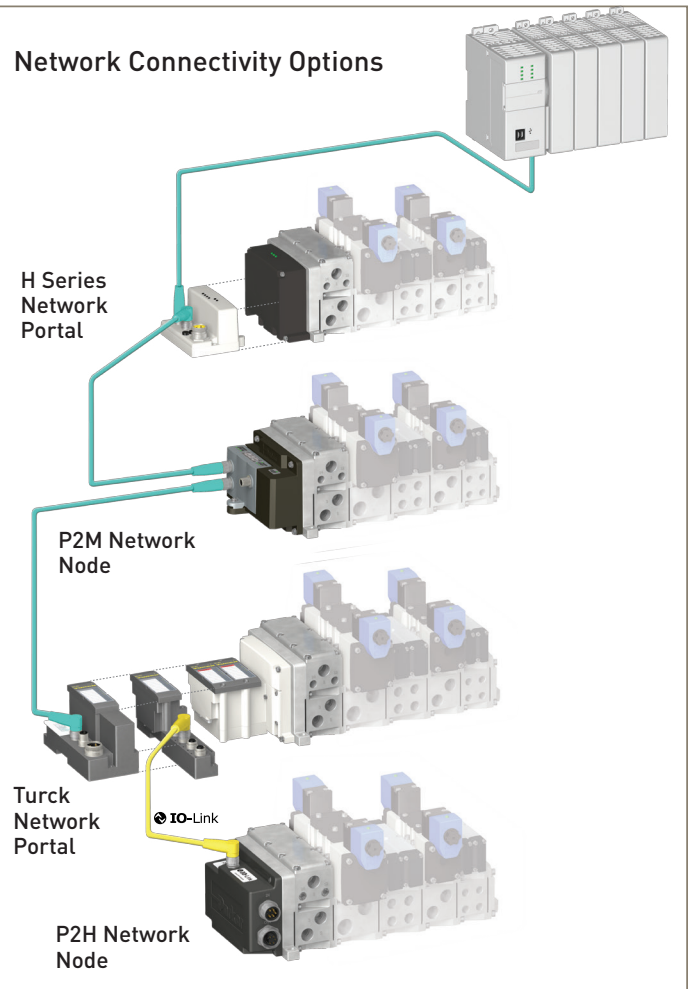
## Controls & Integration Product Benefits:

- **Predictive maintenance** is facilitated with easy to access diagnostics in both cyclic and acyclic data
- **Embedded web pages** for easy setup/troubleshooting without the PLC
- **Easy programming/mapping** with function blocks and add on instructions for many popular controllers
  - Visit [www.parker.com/pdn/networkconnectivity](http://www.parker.com/pdn/networkconnectivity) for more details
- **Safe power (OSSD) capable** auxiliary power can be supplied from a safe output device (such as a safe relay) following machinery directives

## Mechanical Product Benefits:

- **Right Sizing** allows valves from ISO size 02 to size 3 to be mixed on one manifold allowing valves to be sized to each application (savings on cost and space)
- **Flow range** from 0.55 Cv to 6.0 Cv to optimize the valve manifold to the machine
- **Zoning** on manifold allows separation into different pneumatic pressure zones to optimize design, troubleshooting, and maintenance
- **P2H Network Node** can connect to H Series ISO valves into a low cost IO-Link network
  - **Simplify power distribution** cabling with P2H's robust 7/8" Power In and Out connectors
  - Keep the valve manifold close to the working area with P2H's robust, weld splatter resistant housing

## Network Connectivity Options



P2M on H Series ISO



P2H IO-Link on H Series ISO

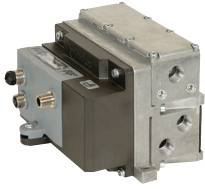


ENGINEERING YOUR SUCCESS.

# Network Nodes for H Series ISO Valves

## P2M Industrial Ethernet

EtherNet/IP™ PROFINET™ ETHERNET POWERLINK EtherCAT™ Modbus



P2M Industrial Ethernet offers a robust, cost effective means of connecting the H Series ISO valve manifold to an Industrial Ethernet network for the most demanding applications. Offering easy connectivity, quick integration via embedded webpages, diagnostic capabilities, weld noise immunity and the safe power capable feature makes the P2M node a great choice for predictive maintenance in an industrial environment on any machine design.

## P2H IO-Link

### IO-Link



P2H IO-Link network node is designed to integrate directly with the new H Series ISO valve and provides a compact, robust and cost-efficient solution for IO-Link capability. The P2H IO-Link network node is offered as an end plate kit for up to 24 solenoid outputs. This product offers diagnostic capability, weld noise immunity and splatter resistance, and can be ordered with optional safe power capability.



**Class A** node has (1) standard 3-pin M12 connector for communication and logic power from any class A IO-Link master, and (2) 7/8" connectors for auxiliary valve power IN and OUT.



**Class B** node has (1) standard 5-pin M12 to connect to any class B IO-Link master for communication, logic power, and auxiliary power for the valve solenoids (up to the limit of the class B master output power).

\*It is recommended to use the class A node with auxiliary power if the class B master cannot provide enough power.

## Turck Network Portal

EtherNet/IP™ DeviceNet™ PROFINET™ PROFINET BUS Modbus CANopen



The Turck BL67 is a multi-functional network portal offering complete configurability for a multitude of applications. Available for the H Series ISO valve (up to 32 solenoids), this highly modular design includes digital and analog I/O, RFID, IO-Link, and power distribution modules for a range of application needs including an expandable 4 port Class A IO-Link master.

## H Series Network Portal EtherNet/IP™ DeviceNet™



The H Series Network Portal is offered for easy centralized machine I/O for Industrial Ethernet on H Series ISO valves. This valve portal offers modular I/O on the manifold with Rockwell preferred connectivity on the Rockwell CompactLogix and ControlLogix PLC's simplifying set up time.

## The Clear Advantage

The versatile design of the H Series ISO valve manifold allows the ability to completely customize the manifold to suit the needs of the machine by "Right Sizing" for flows from 0.5 Cv to 6.0 Cv and offering multiple different network connectivity options for simplified wiring, predictive maintenance, and enhanced safety.

