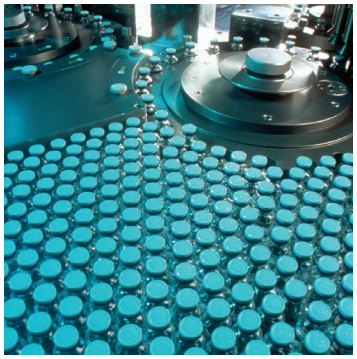
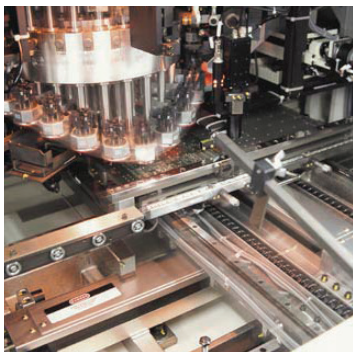
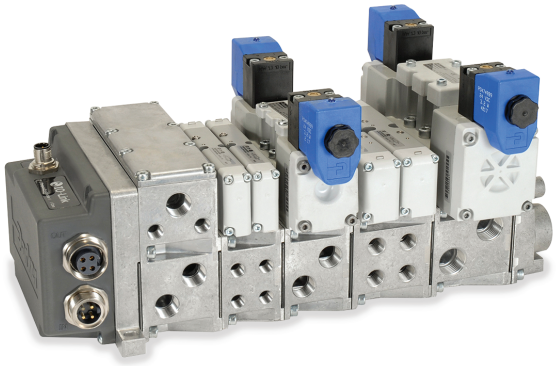
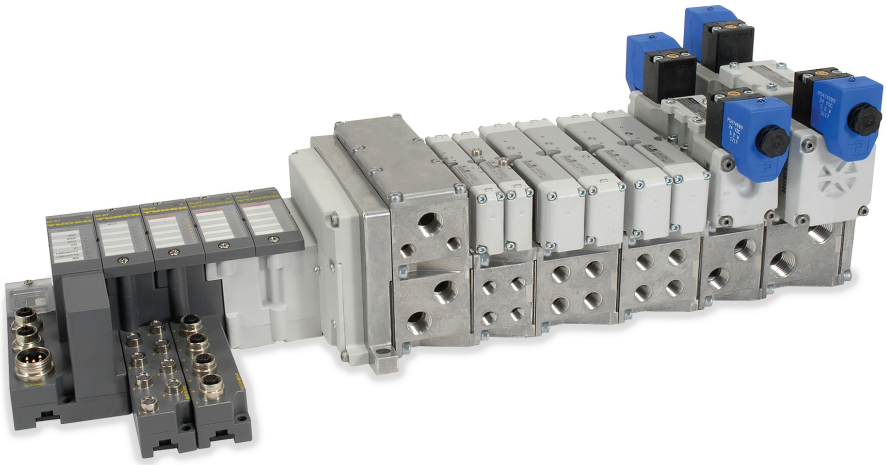








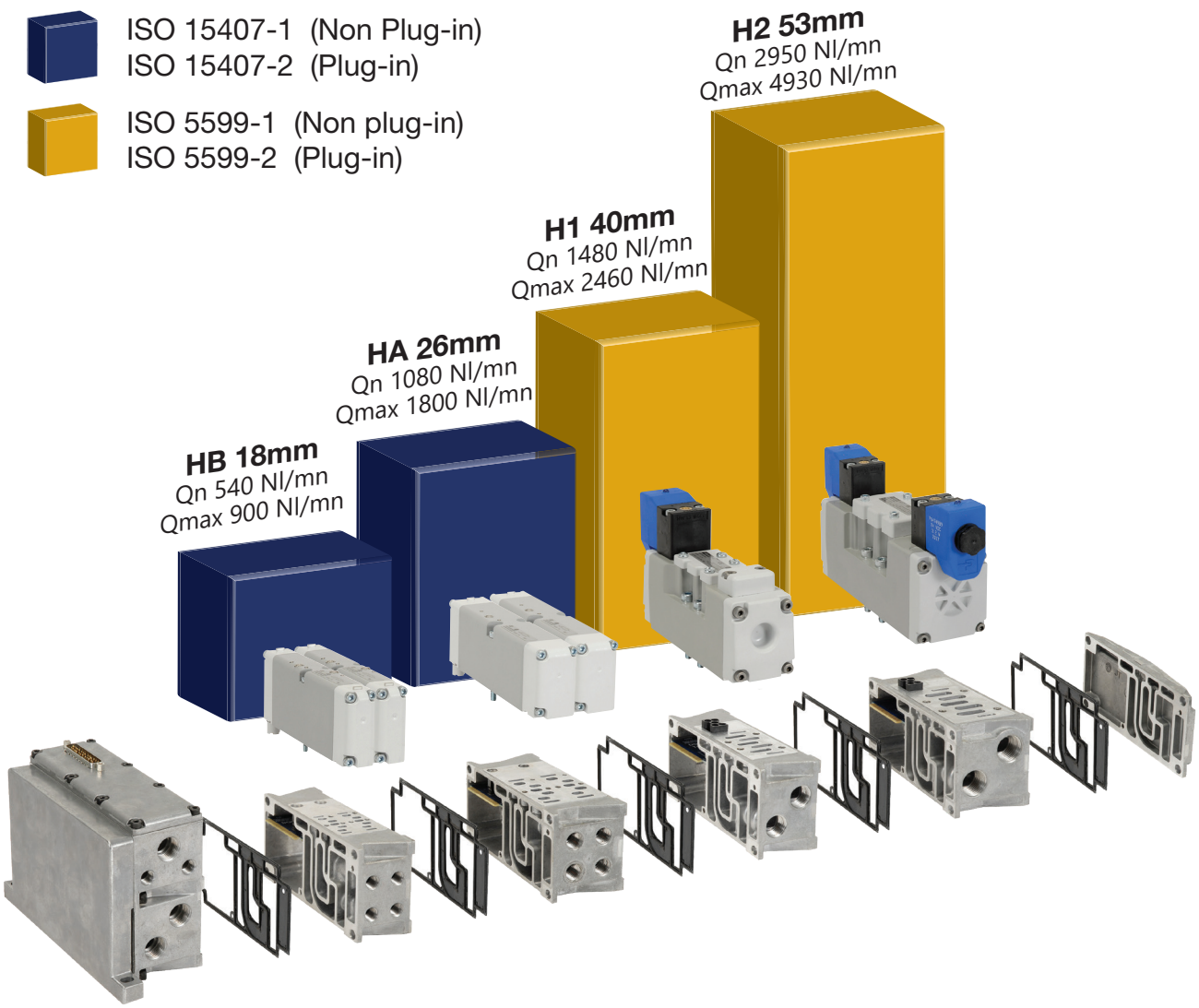
H Series ISO Valve

with Universal Manifold

ENGINEERING YOUR SUCCESS.

H Series ISO Valve with Universal Manifold

Right Sizing



H Series Valve

The next evolution of the H Series global valve family has arrived and has expanded to meet the needs of the market today and beyond. The H Series product is a range of robust general service valves for multi-purpose applications adhering to International Standards Organization (ISO) 15407 and 5599 for easy interchangeability. The new design is enhanced in functionality, weight reduced and designed to make it easy to size and install.

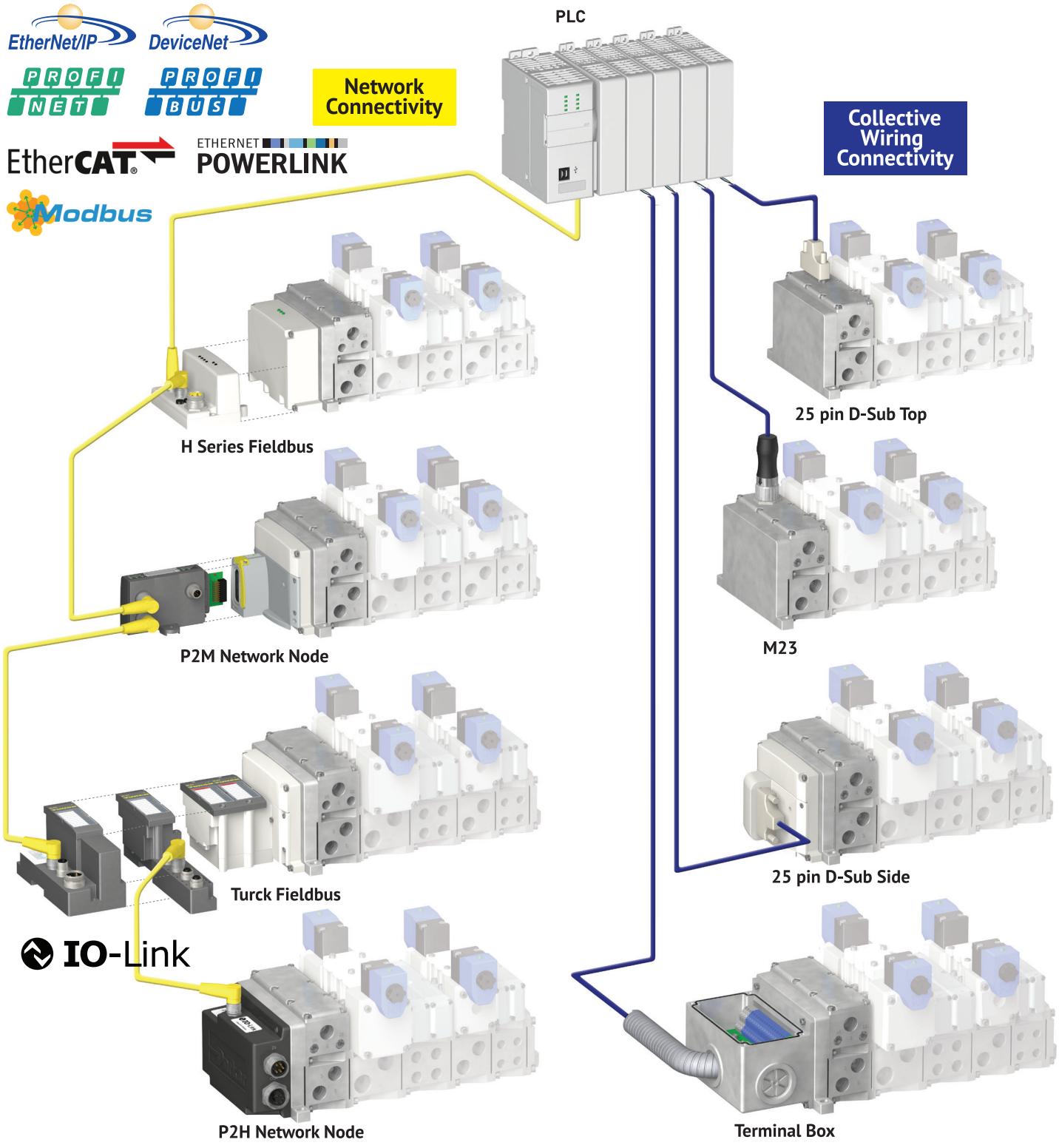
Right Sizing

The development of new manifold bases allows you to mix valves from size 02 to size 2 (Qn 540 to 2950 Nl/mn) on one common manifold without utilizing a transition plate. Up to 5900 Nl/mn can be achieved utilizing a separate size 3 manifold. Right sizing means maximizing the valve to your best advantage, reducing the compressed air (energy) used and minimizing the form factor which lowers the total cost of ownership. The new enhanced universal manifold takes H Series product to the next level with multiple network and collective wiring connectivity options including pneumatic zoning.

For more information visit us at www.parker.com/pde/HSeriesISO

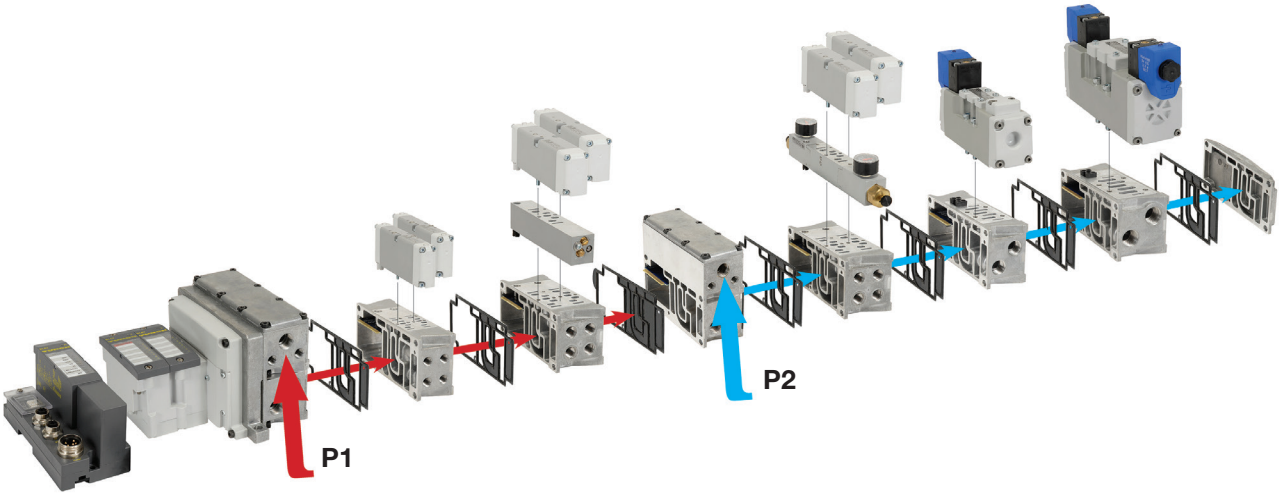
H Series ISO Valve with Universal Manifold

Right Sizing

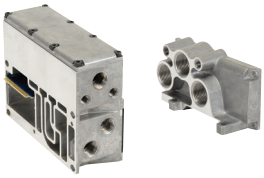


H Series ISO Valve with Universal Manifold

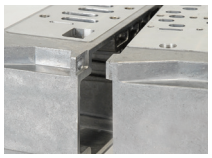
Features and Benefits



Pressure Zoning Multiple Pressure Zones (P1 P2 ... Pn) provide flexibility to meet a variety of applications. Supplying the valves on the manifold with different pressures will allow for variable force output from any attached actuators. In addition, you can control vacuum and remove supply pressure from certain sections while leaving other areas operable. This can be useful in safety applications as well as for maintenance.



Additional Flow can be added throughout the manifold with either the high flow end plate or the intermediate air supply module associated to a large choice of intermediate gaskets. Available in ½" or ¾" ports, the high flow end plate allows for additional flow to be introduced on the right side of the valve manifold assembly. The intermediate air supply modules can be introduced anywhere in the manifold allowing for additional flow by providing another supply port. Adding an additional intermediate air supply(s) allows the manifold to meet the needs of the application.



Ease of Assembly and Installation were the primary principles behind the design of this product. Card edge electrical connectors allow for simple assembly and a robust connection without the hassle of bent pins. The manifold bases feature an interlocking design so they go together easily and reliably and the fasteners are guided to help ensure they go in the right way each time. Installation of the assembled product is simplified with the addition of installation brackets that hold the unit in place while you attach the permanent fasteners in both horizontal or vertical mounting.

Pilot Pressure Zoning is offered in addition to zoning the supply pressure. The pilot exhaust module (PXM) is available to remove pilot pressure while maintaining supply pressure in the manifold. Removing pilot pressure is a quick way to bring the valve to a safe state in an emergency situation while maintaining pressure at the working ports and coupled with other products can be part of a complete safety solution.

Sandwich Accessories are available such as flow controls and pressure regulators which allow for force and speed control of individual valves in the manifold.

H Series ISO Valve

Technical Specifications

General Specifications

Valve Function	2 position, 3 position, dual 2 position, double or single solenoid
Port Sizes (working)	1/8, 1/4, 3/8, 1/2
Port Type	BSPP or NPT
Flow Rate	Qn 540 Nl/mn (Qmax 900 Nl/mn) to Qn 2950 Nl/mn (Qmax 4930 Nl/mn)
Pressure Range	Vac to 10 bar
Minimum Operating Pressure	Pilot pressure minimum varies with valve type/size from 1.8 to 3.4 bar
Temperature Range	-15 to +49 °C
Media	Inert Gases

Electrical / Connectivity

Input Supply Voltage	24VDC to 120VAC
Electrical Connection (Collective wiring) Plug-in Non Plug-in	 25-Pin, M23, Terminal Strip M12, Mini, DIN
Fieldbus Protocol (Network)	IO-Link, PROFINET IO, EtherNet/IP, EtherCAT, POWERLINK, Modbus TCP, Profibus DP, DeviceNet, CANopen, InterBus-S, AS-i
Certifications	CE and IP65
Power Consumption Sizes 02 & 01 Sizes 1, 2 & 3	 1W (24VDC) / 2VA (120VAC) 3.2W (24VDC) / 4.5VA (120VAC)

Application Guide

Cylinder to valve: The below chart contains recommendations for selecting air valve products. The values within the chart show the corresponding Nominal Flow Qn (Nl/mn - based on 6 bar with a 1 bar pressure drop).

Cylinder Speed - mm/s	Cylinder Bore Size - mm							
	32	40	50	63	80	100	125	150
50	17	26	41	65	106	165	258	371
100	34	53	82	131	211	330	515	742
150	51	79	124	196	317	495	773	1113
200	68	106	165	262	422	660	1031	1484
250	84	132	206	327	528	825	1289	1856
300	101	158	247	393	633	990	1546	2227
350	118	185	289	458	739	1155	1804	2598
400	135	211	330	524	844	1319	2062	2969
450	152	238	371	589	950	1484	2319	3340
500	169	264	412	655	1056	1649	2577	3711
	HB		HA		H1	H2	H3	

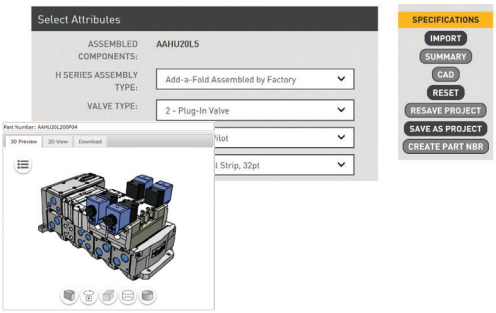
H Series ISO Valve

2 easy ways to order H Universal

1 Online Configuration

Navigate to the landing page

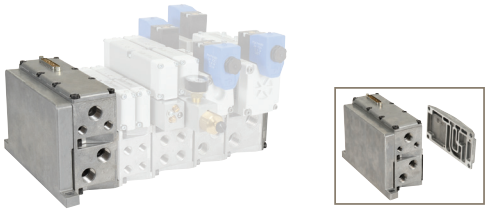
www.parker.com/pde/HSeriesISO
Customize your manifold assembly
Create and save a unique assembled part number
Generate a CAD model



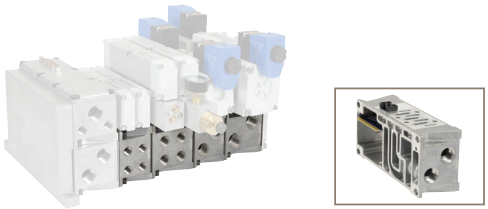
OR

2 Order Components

A Select Endplate Kit
Includes Left and Right Hand Endplate

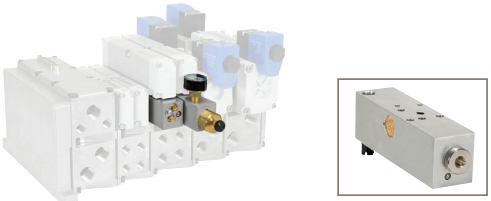


B Select Valve Manifold Segments
Manifold (size HB, HA, H1 or H2)
Air Supply Module



C Select Valve Stations
Valves (size HB, HA, H1 or H2)
Blanking Plate

D Select Sandwich Accessories
Sandwich Regulators
Sandwich Flow Control
Pilot Exhaust



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