IMI

Industrial Automation
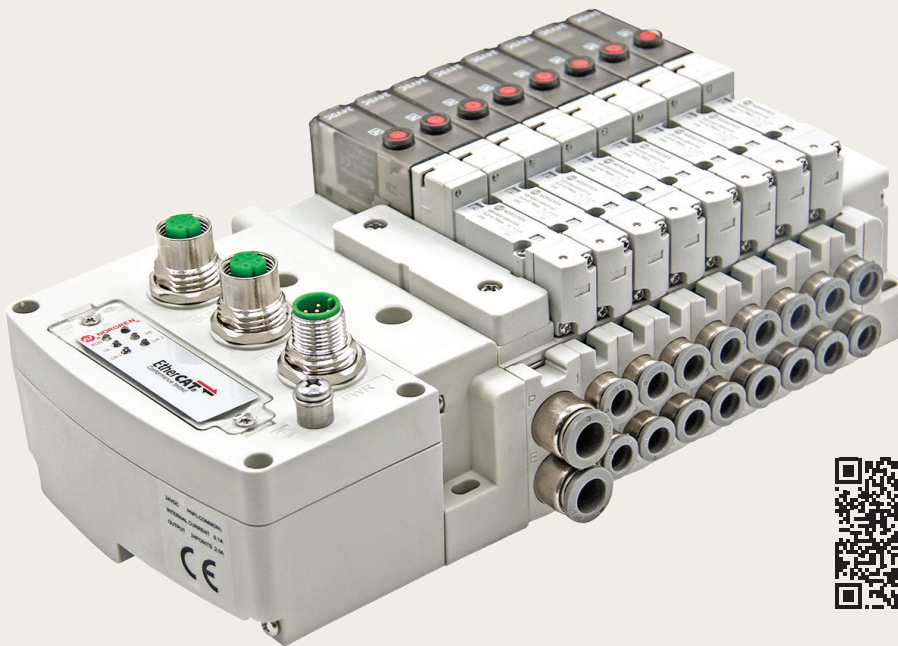
Our product brands:
IMI Norgren
IMI Bimba
IMI Bahr

VR Series Valve Manifolds
Connected, Flexible & Modular

Scan to configure your VR Series Valve Manifold for your application!

Flexibility and modularity have reached new levels with the **IMI Norgren VR Valve Manifold** range.

A simple plug-in, sub-base style design allows for valves to be easily exchanged for quick installation and maintenance. Expanding the size and functionality of your Valve Manifold to match the changing demands of your application is a simple "plug-and-play" experience and includes the latest communication protocol options for compatibility with existing and new systems: Multipole, Ethernet/ IP, PROFINET, EtherCAT, IO-Link Slave, and CANopen.

Available in two body sizes – 10mm and 15mm, the VR10/15 Series can be used across a broad range of industrial automation markets, from food & beverage, packaging, labeling, textiles, glass production, to metal production and paper and print.

Product Highlights:

– **Modular –** A modular system offering a wide range of configuration options

– **Flexible –** Available in 10mm and 15mm with up to 24 solenoids with a wide range of valve functions

– **Reliable –** Using proven technology for long life over 30 million cycles

– **Connected –** Fast and easy connectivity via Multipole, EtherNet/IP, PROFINET, EtherCAT and IO-Link

– **Easy Installation –** No restrictions in installation as connectors can be horizontal or vertical. Valve island can be direct mounted or mounted on a DIN rail.

– **Maintenance Friendly –** Simple plug-in sub base valve exchange allows easy exchange of system components and interruption-free valve replacement option; and integrated silencers offer simple replacement

– **Energy Saving –** Low power solenoids (0.4w power consumption) with LED indicators

– **Easy to Configure –** BEST IN CLASS online configurator

Breakthrough engineering for a better world

Technical features

Medium:
Compressed air, filtered to 40 μm, lubricated or non-lubricated

Operation:
Dynamic softseal spool valve, solenoid pilot operated

Flow:

VR10

Function	l/min	Cv	Kv
5/2	220	0.22	0.20
5/3	270	0.27	0.24
2 x 3/2	220	0.22	0.20

VR15

Function	l/min	Cv	Kv
5/2	520	0.53	0.47
5/3	590	0.60	0.54
2 x 3/2	460	0.47	0.42

Mounting:
Sub-base

Ports 1, 3 & 5 (P,E):
VR10: PIF 8 mm, 5/16"
VR15: PIF 10 mm, 3/8"

Ports 2 & 4 (A,B):
VR10: PIF 4 mm, 6 mm, 5/32", 1/4"
VR15: PIF 4 mm, 6 mm, 8 mm, 5/32", 1/4", 5/16"

Operating pressure:
Maximum pressure 101 psi (7 bar). Details of minimum and maximum pilot pressure see overleaf

Media/Ambient temperature:
+23 ... 122°F (-5 ... +50°C)
Air supply must be dry enough to avoid ice formation at temperatures below +35°F (+2°C).

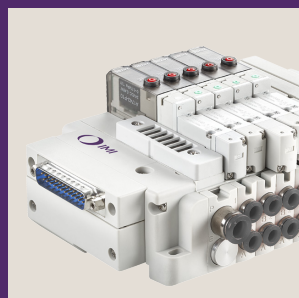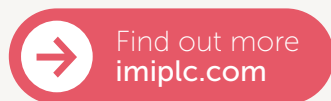**Materials:**
Body: ZnDC and ADC
Spool: Aluminum
Seal: NBR
Sub-base: PA66

Electrical details for solenoid operators

Supply voltage*:	12 V d.c. & 24 V d.c.
Power consumption*:	12 V d.c. & 24 V d.c 0.45W (Energy saving type)
Manual override:	Push only
Rating:	100% E.D.
Indication:	LED red/green
Surge surpression:	surge protecting circuit is equipped
Protection class:	IP40 or IP65

*12V d.c.valves only for Multipole and CANopen

→ Find out more
imiplc.com

Multipole, Ethernet/IP, PROFINET, EtherCAT, IO-Link, and CANopen connectivity

Interruption-free valve replacement

10 mm and 15 mm widths with up to 24 solenoids

Modular System