Industrial Automation

IMI Norgren

VR Series Valve Islands
Flexible and Modular for all
Industrial Automation Applications



Breakthrough
engineering for
a better world

Contents

Introduction 2
VR Series Valve Islands 4
Technical Specifications 6
Valve Island Configurator 7

Breakthrough engineering for a better world

We create solutions for our customers which enable smarter, safer, more productive and sustainable factories, production lines and warehouse operations. Our pneumatic and electric motion systems help machine builders and end users around the world automate and optimise manufacturing and warehousing processes.

We have partnered with customers in industrial automation for over a century, applying our experience and innovation to create lasting value for their businesses. Our solutions support critical industries such as automotive, food and beverage, pharmaceuticals and even the space industry. We support the automation of precision manufacturing, product assembly, testing and packaging.

We use the latest digital technologies in our automation products and constantly innovate in close partnership with our customers. By applying our deep expertise, we can solve their toughest automation challenges, today and tomorrow. Through increased productivity, efficiency and safety, our customers can serve their own customers better, creating sustainable competitive advantage and delivering growth.

Our world-class product portfolio includes IMI Norgren, IMI Bimba, IMI Bahr and IMI Buschjost.

Breakthrough Engineering you can count on.





VR Series Valve Islands

Flexibility and modularity have reached new levels with the IMI Norgren VR Valve Island range. A simple plug-in, sub-base style design allows for valves to be easily exchanged for easy installation and maintenance. Expanding the size and functionality of your Valve Island to match the changing demands of your application is a simple "plug-and-play" experience.

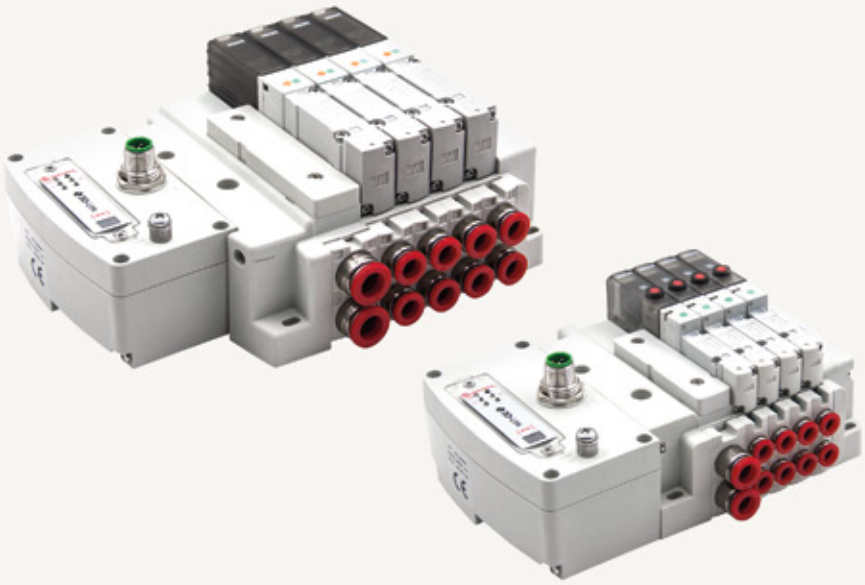
Available in two body sizes – 10 mm and 15 mm, the VR10/15 series can be used across a broad range of Industrial Automation markets, from food & beverage, packaging, labelling, textiles, glass production, metal production and paper and print.

Product Highlights:

- **Modular** – A modular system offering a wide range of configuration options
- **Flexible** – Available in 10 mm and 15 mm 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, CANopen 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
- **Space Saving** – If space is an issue, the IP40 base is available with valve slices
- **Easy to Configure** – BEST IN CLASS online configurator

Find out more
www.imiplc.com/industrial-automation

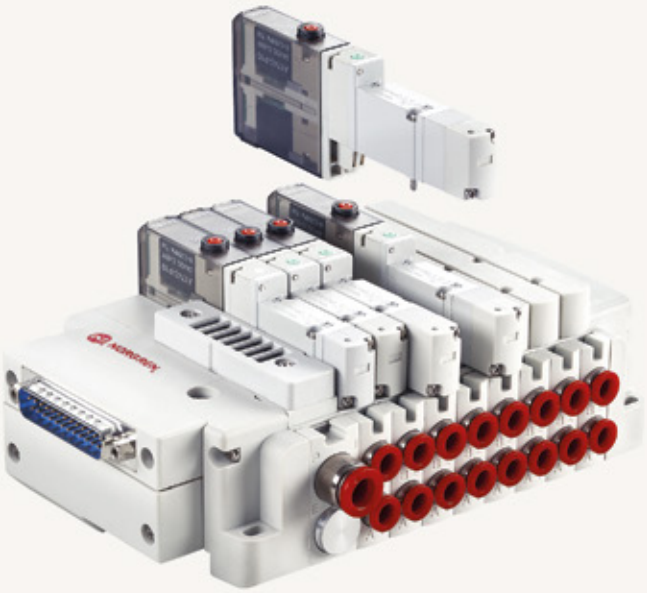
10 mm and 15 mm widths
with up to 24 solenoids

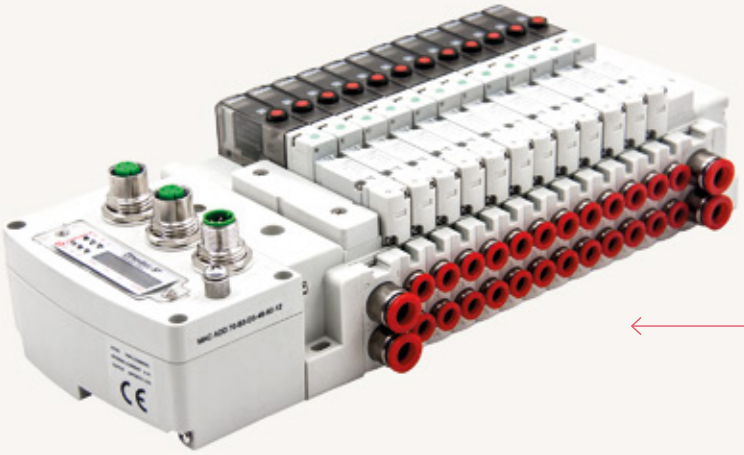




Modular System

Interruption-free
valve replacement





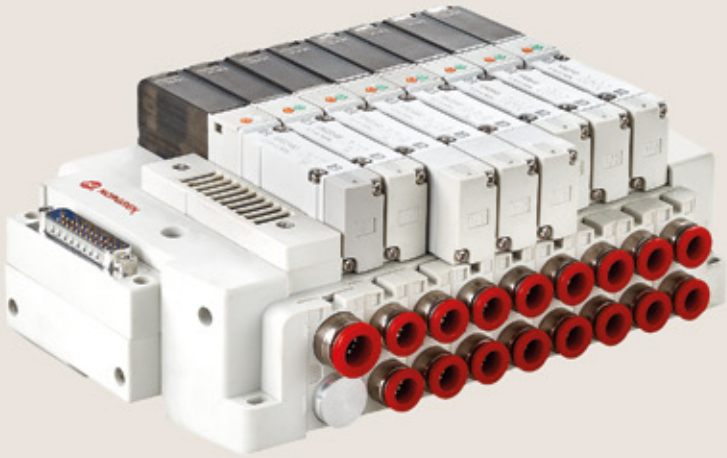
Multipole, Industrial
Ethernet, CANopen and
IO-Link connectivity

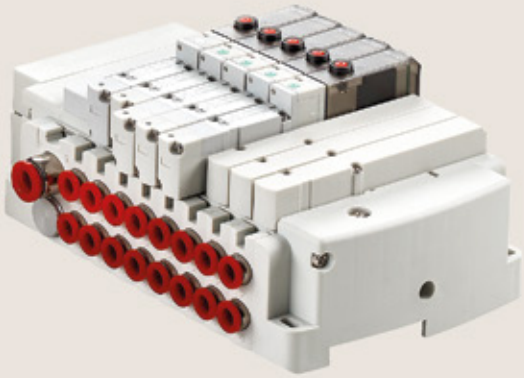


Technical Specifications

VR Series, 2 x 3/2, 5/2 or 5/3 Valve Island

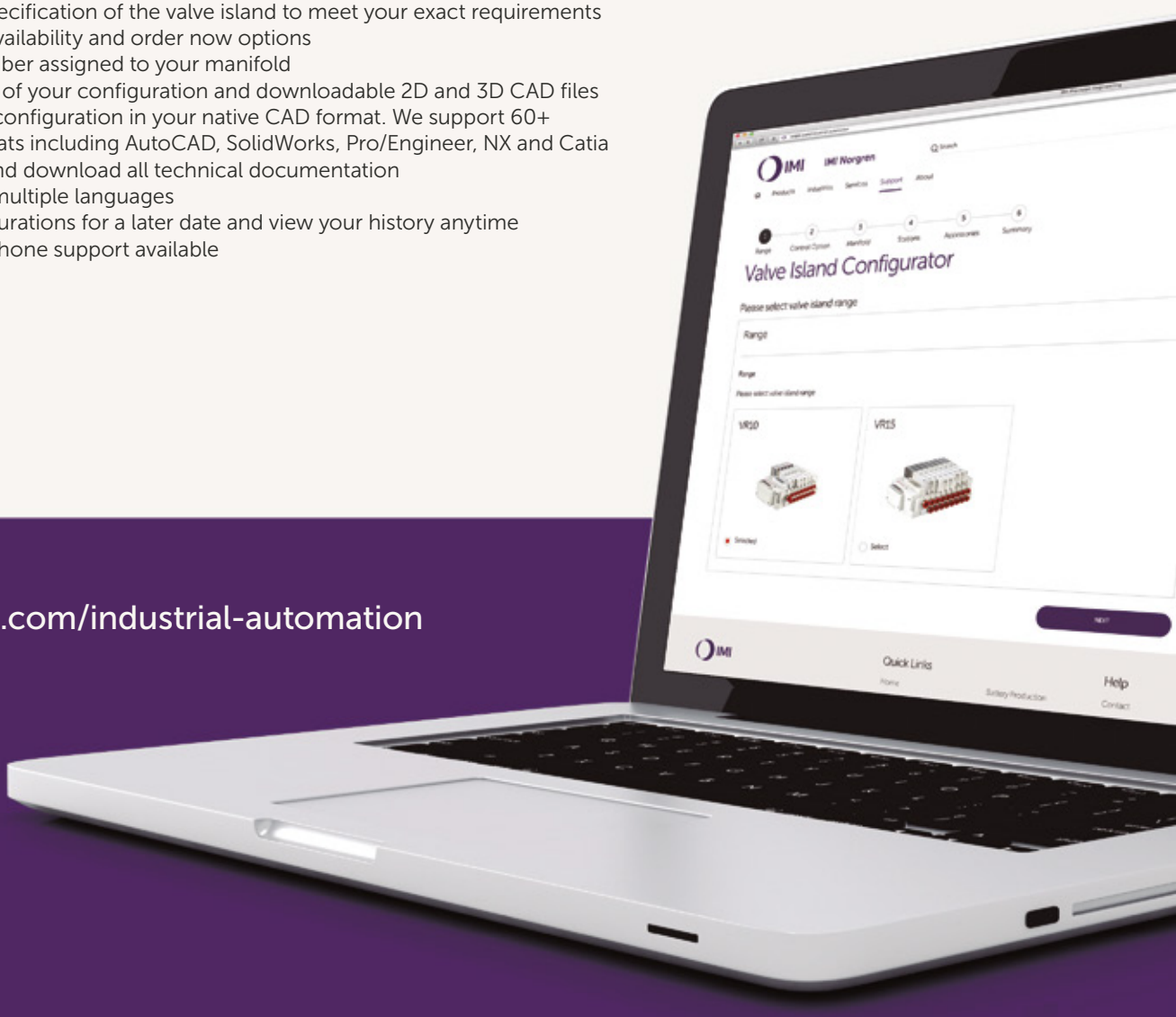
- Two sizes, 10 mm and 15 mm widths
- Flow: 220 to 270 l/min (VR10), 460 to 590 l/min (VR15)
- Operating pressure: Maximum pressure 7 bar (101 psi)
- Operating temperature: -5°C to +50°C (+23°F to 122°F)
- Up to 24 solenoids
- 24V DC & 12V DC Multipole, EtherNet/IP, PROFINET, EtherCAT, CANopen and IO-Link
- Dynamic Softseal spool valve, solenoid pilot operated
- LED indicator of solenoid function
- No restriction in installation orientation
- Easy to replace valves, fittings and silencers
- Robust yet lightweight construction
- IP40 and IP65 versions available





Valve Island Configurator

- Intuitive, flexible and easy to use
- Flexible Step by step process that is easy navigate for any user regardless of experience
- Enables quick specification of the valve island to meet your exact requirements
- Provides price, availability and order now options
- Unique part number assigned to your manifold
- Live visualisation of your configuration and downloadable 2D and 3D CAD files
- Download your configuration in your native CAD format. We support 60+ native CAD formats including AutoCAD, SolidWorks, Pro/Engineer, NX and Catia
- Easy to access and download all technical documentation and available in multiple languages
- Save your configurations for a later date and view your history anytime
- Online and telephone support available



www.imiplc.com/industrial-automation

Our Industrial Automation sector operates four global centres of technical excellence and a sales and service network in 50 countries, as well as manufacturing capability in Europe, Americas and Asia Pacific.

Supported by distributors worldwide.

For further information, scan this QR code or visit

www.imiplc.com/industrial-automation

Industrial Automation

IMI Norgren
IMI Bimba
IMI Bahr
IMI Buschjost

The information in this brochure is provided for informational and promotional purposes only and is provided "as is" and without warranties of any kind, whether express or implied, including but not limited to implied warranties of satisfactory quality, fitness for a particular purpose and/ or correctness.

Any specifications, features, pricing, or availability contained in this brochure are subject to change without prior notice. IMI plc does not represent or warrant that the information and/or specification in this brochure are accurate, complete, or current and therefore make no warranties or representation regarding the use of the content. IMI plc or one of its subsidiaries own all images, logos, product brands, and trademarks mentioned in this brochure. Unauthorised use, reproductions, or modification of this content is prohibited.

© Copyright IMI plc. All rights reserved.

z10333BR en/11/24

Selected Images used under license from Shutterstock.com

IMI

FSC TCF