

Norgren Guardian Range

Suitable for a wide range of
Factory Automation applications



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Breakthrough Engineering for a Better World

Norgren is part of global engineering organisation IMI plc. IMI is at the forefront of delivering the solutions we need in a changing world and is focused on **creating tremendous value by solving key industry problems** in attractive markets and employing the best.

Norgren has a proud history of creating innovative engineering solutions in precise motion control and fluid technology, and we collaborate with our customers across more than 50 countries in critical areas such as Factory Automation, Material Handling, Rail, Energy, Process Control, Life Science and Commercial Vehicles.

From improving speed, productivity, reliability and efficiency of equipment, to generating significant energy and cost savings, or lowering total cost of ownership across many industries, Norgren’s high-quality solutions are designed to help customers pursue progress, achieve new goals and overcome problems.

With market-leading industry expertise, we offer the capability, resources, engineering intelligence and global support infrastructure to tackle the largest project demands.

Our world-class portfolio of fluid and motion control products include Norgren, Buschjost, FAS, Herion, Kloehn, Maxseal and Thompson Valves. Supplied either individually or combined into powerful customised solutions to meet customer needs.

Breakthrough engineering you can count on.



The products our customers need

About Norgren Guardian Range

Attractively priced and readily available from stock, the Norgren Guardian range is suitable for a wide range of industrial applications. It comes with the high standard of service and support you would expect from Norgren.

- » Proven Norgren quality
- » Flexible options and accessories
- » Reliable, simple and easy to install



Actuators

Our range of profile ISO cylinders are available with various mounting options to suit most applications.

PCA/702 Series ISO Standard Cylinder



General specifications

- » Cylinder and mounting features conform to ISO15552
- » Bore diameters: 32, 40, 50, 63, 80, 100, 125 mm
- » Stroke length: 5 ... 2000 mm
- » Operating pressure: 1 ... 10 bar (14 ... 145 psi)
- » Adjustable cushioning
- » Magnetic switches can be mounted flush with the profile

Accessories

Front flange B, G 	Foot mounting C 	Rear Clevis D 	Rear eye R 	Wide Hinge SW
Piston rod clevis F 	Universal piston rod eye 	Piston rod swivel AK 	Service kit 	Magnetic Switch

CM/71 Series Compact Cylinder

Single & Double acting



General specifications

- » Mounting features conform to ISO15524 for bore size 32~100mm
- » Bore diameters: 12, 16, 20, 25, 32, 40, 50, 80, 100 mm
- » Magnetic piston
- » Mechanical cushion
- » Magnetic switches can be mounted flush with the profile

Accessories

Magnetic Switch



Service Kit



Solenoid Valves

Our range of 3/2, 5/2 and 5/3 way directional control valves are available in spring loaded or solenoid actuated options.

VCB10 Series Solenoid Valve

Single Solenoid



Double Solenoid



General specifications

- » Compact design
- » Fluid/ambient temperature: -5°C ... +50°C
- » Operating pressure: 1.5 ... 7 bar
- » Port size: G1/8
- » Push type manual override
- » Ideal for sorting and packaging applications where fast response times are needed

VCB22 Series Solenoid Valve

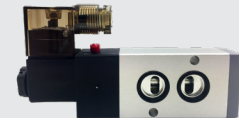
Single Solenoid



Double Solenoid



NAMUR Option

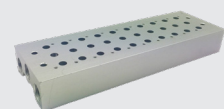


General specifications

- » Fluid/ambient temperature -5°C...+70°C
- » Operating pressure 1.5 ... 8 bar
- » Port size from M5, G1/8 ... G1/2
- » 3/2, 5/2, 5/3 way
- » NAMUR option available
- » High flow rate
- » Push and turn to lock manual override
- » Connector with light as standard
- » Sub-base system max. to 17 valves
- » Suitable for most factory automation applications

Accessories

Subbase



Blanking plate



NAMUR conversion plate



Coil connector
15 mm industrial
standard



Coil connector
22 mm industrial
standard
(for 24 V d.c & 220 V a.c.)



Coil connector
22mm industrial
standard (for 24 V a.c.,
110 V a.c. & 240 V a.c.)



15 mm coil



22mm coil
24 V d.c & 220 V a.c



22mm coil
24 V d.c & 220 V a.c



Air Preparation

Our full range of general purpose air preparation is simple and ready to install for efficient air preparation.

49 Series FRL

Filter
F49G



Regulator
R49G



Lubricator
L49C



Filter-regulator
B49G



Combination unit
C49G



Filter-regulator lubricator
BL49



General Specifications

- » Filter, regulator, lubricator and combination units
- » Predefined options for ease of ordering
- » Operating pressure: 0.5 to 8.5 bar
- » G1/8 to G1/2 port sizes
- » Flow rate up to 50 l/s for G1/2
- » Ambient/Media temperature: 0°C ... +60°C
- » Integrated gauge reduces mounting time
- » Push to lock adjusting knob and bowl cover clip with audible click for increased safety

Accessories

Lubricator bowl



Filter bowl



Square gauge



Filter element
5 µm & 40 µm



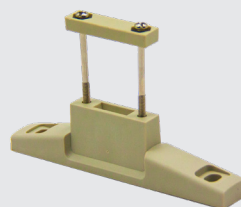
C Bracket



L Bracket



T Bracket



Norgren operates four global centres of technical excellence and a sales and service network in 50 countries, as well as manufacturing capability in Brazil, China, Czech Republic, Germany, India, Mexico UK and the USA.

For information on all Norgren companies visit

www.norgren.com

Supported by distributors worldwide.

For further information, scan this QR code or visit
www.norgren.com



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Due to our policy of continuous development, Norgren reserve the right to change specifications without prior notice.

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Incorporating



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