Norgren Guardian Range
Suitable for a wide range of Factory Automation applications
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.
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

Find out more
norgren.com
Actuators

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

PCA/702 Series
ISO Standard Cylinder

Double acting

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

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

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

Single Solenoid
Double Solenoid

VCB22 Series
Solenoid Valve

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

Single Solenoid
Double Solenoid
NAMUR Option

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.

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

z9601BR en/07/20

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