

Features

- Center block design maintain actuator position under pressure even when coils are not energized
- International NAMUR standard mounting
- Controls double acting (5/3) or spring return (3/3) pneumatic actuators
- Long life spool and sleeve design
- Twist and lock manual override
- Low wattage coil rated IP65 dust-tight and weatherproof
- Easy wire 1/2" conduit DIN plug connector with screw terminals
- Continuous duty 100% duty cycle
- UL recognized coils

Applications

Direct mount 5/3 or 3/3 air solenoid valve is for use in applications where the actuator position needs to be maintained even when the solenoid valve is de-energized. 5/3 configuration is for double acting actuators and is standard. 3/3 configuration uses a 3/2 adapter plate (included) and is for spring return actuators. Valves mount directly to pneumatic actuators with international standard NAMUR VDI/VDE 3845 interface saving time, space and plumbing.

5293 series solenoid valves may be used on all Valworx 5300 & 5301 series Rack & Pinion actuators.

Operation

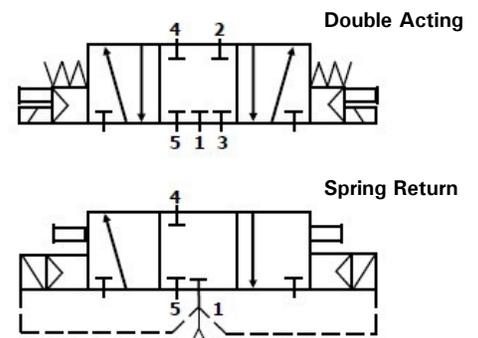
Energizing the left-hand coil moves the plunger to supply air to actuator port A, opening the actuator. Energizing the right-hand coil moves the plunger to supply air to actuator port B, closing the actuator. If neither coil is energized a centering spring returns the plunger to the center position, thereby blocking all ports. The actuator remains pressurized which positively maintains position (open or closed) without having to energize a coil.

Construction

Body	Black Anodized aluminium, glass filled PA, POM
Seals	NBR (Buna N)
Spool	Aluminium
Fasteners	Stainless Steel
Coil - UL recognized File E343908	Molded, Class F insulation, 100% continuous duty
Coil Type	General purpose IP65 dust tight and weatherproof
Electric Connector	Mini DIN 43650B (11 mm), 1/2" female conduit
Manual Override	Twist and lock



5293



Description

Compact high flow design includes a black anodized aluminum body with a low watt molded coil. Unique long life spool and sleeve design can be used with lubricated or non-lubricated air. Easy wire DIN 1/2" conduit plug connector with built in screw terminals is included with each valve.

Options

- Speed control mufflers
- 3 conductor cables

Specifications (English units)

Stock Number	Pipe Size (NPT)	Orifice Diam. (inch)	Cv	Pressure (PSI)	Actuator	Voltage	Power Consumption
529300A	1/4	0.20	1.4	30-116	Rack & Pinion	120 VAC (50/60 Hz)	4.5 VA
529302A	1/4	0.20	1.4	30-116	Rack & Pinion	24 VDC	4 W

Voltage Tolerance: +/- 10%

UL recognized coils, File E343908 - also available separately as repair parts

Specifications (Metric units)

Stock Number	Pipe Size (NPT)	Orifice Diam. (mm)	Kv	Pressure (Bar)	Actuator	Voltage	Power Consumption
529300A	1/4	5	1.2	2-8	Rack & Pinion	120 VAC (50/60 Hz)	4.5 VA
529302A	1/4	5	1.2	2-8	Rack & Pinion	24 VDC	4 W

Pressure/ Temperature Rating

Operating Pressure: 30-116 PSI (2-8 Bar)

Working Temperature: -13 to 176° F (-25 to 80° C) *

*moisture free air required below 32° F (0° C)

Ambient Temp. of Coil: -4 to 122° F (-20 to 50° C)

Media: 40 micron filtered and dried compressed air

Visual Example– Assembly



Valworx solenoid valve shown direct mounted to a Rack & Pinion actuator. These valves can be used with double acting or spring return pneumatic actuators with NAMUR mounts.

529302A shown on Rack & Pinion Assembly

Dimensions

