

Features

- International NAMUR standard mounting
- Adaptable to 5/2 (4-way) or 3/2 (3-way NC) functions
- Controls spring return or double acting 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 coil

Applications

Direct mount air solenoid valve can be adapted for 5/2 or 3/2 functions for electrically controlling spring return or double acting air actuators. Valves mount directly to pneumatic actuators with international standard NAMUR VDI/VDE 3845 interface saving time, space and plumbing.

Series 5291 (right hand) are for use with Valworx rack & pinion actuators.

Series 5292 (left hand) are for use with Valworx scotch yoke actuators.

Pressure-Temperature

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

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

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

Media: 40 micron filtered and dried compressed air

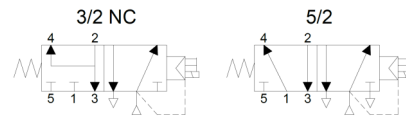
* moisture free air required below 32° F (0° C)

Construction

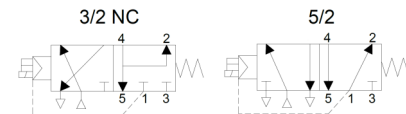
Body	Black Anodized aluminium, glass filled PA, POM
Seals	NBR (Buna N)
Spool	Aluminium
Fasteners	Stainless Steel
Coil - UL recognized File E343908	Molded, Class F insulation, 100% continuous duty
Coil Type	General purpose IP65 dusttight and weatherproof
Electric Connector	Mini DIN 43650B (11 mm), 1/2"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



5291



5292



Operation

Applying power to the coil shifts the solenoid valve and moves the actuator from position 1 to position 2. Solenoid valve and actuator returns to the normal position 1 with loss of power or air pressure. Twist and lock manual override is useful in operating the valve during setup, testing or power outage situations. Optional speed controls can be installed in the exhaust ports to control actuator speed in both directions.

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)	Orientation	Actuator	Voltage	Power Consumption
529100A	1/4	0.20	1.1	30-116	Right	Rack & Pinion	120 VAC (50/60 Hz)	4.5 VA
529102A	1/4	0.20	1.1	30-116	Right	Rack & Pinion	24 VDC	4 W
529104A	1/4	0.20	1.1	30-116	Right	Rack & Pinion	12 VDC	4 W
529106A	1/4	0.20	1.1	30-116	Right	Rack & Pinion	220 VAC (50/60 Hz)	5 VA
529107A	1/4	0.20	1.1	30-116	Right	Rack & Pinion	240 VAC (50/60 Hz)	4.5 VA
529108A	1/4	0.20	1.1	30-116	Right	Rack & Pinion	24 VAC (50/60 Hz)	4.5 VA

Stock Number	Pipe Size (NPT)	Orifice Diam. (inch)	Cv	Pressure (PSI)	Orientation	Actuator	Voltage	Power Consumption
529200A	1/4	0.20	1.1	30-116	Left	Scotch Yoke	120 VAC (50/60 Hz)	4.5 VA
529202A	1/4	0.20	1.1	30-116	Left	Scotch Yoke	24 VDC	4 W
529204A	1/4	0.20	1.1	30-116	Left	Scotch Yoke	12 VDC	4 W
529206A	1/4	0.20	1.1	30-116	Left	Scotch Yoke	220 VAC (50/60 Hz)	5 VA
529207A	1/4	0.20	1.1	30-116	Left	Scotch Yoke	240 VAC (50/60 Hz)	4.5 VA
529208A	1/4	0.20	1.1	30-116	Left	Scotch Yoke	24 VAC (50/60 Hz)	4.5 VA

Voltage Tolerance: +/- 10%

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



Scotch Yoke



Rack & Pinion

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

Specifications (Metric units)

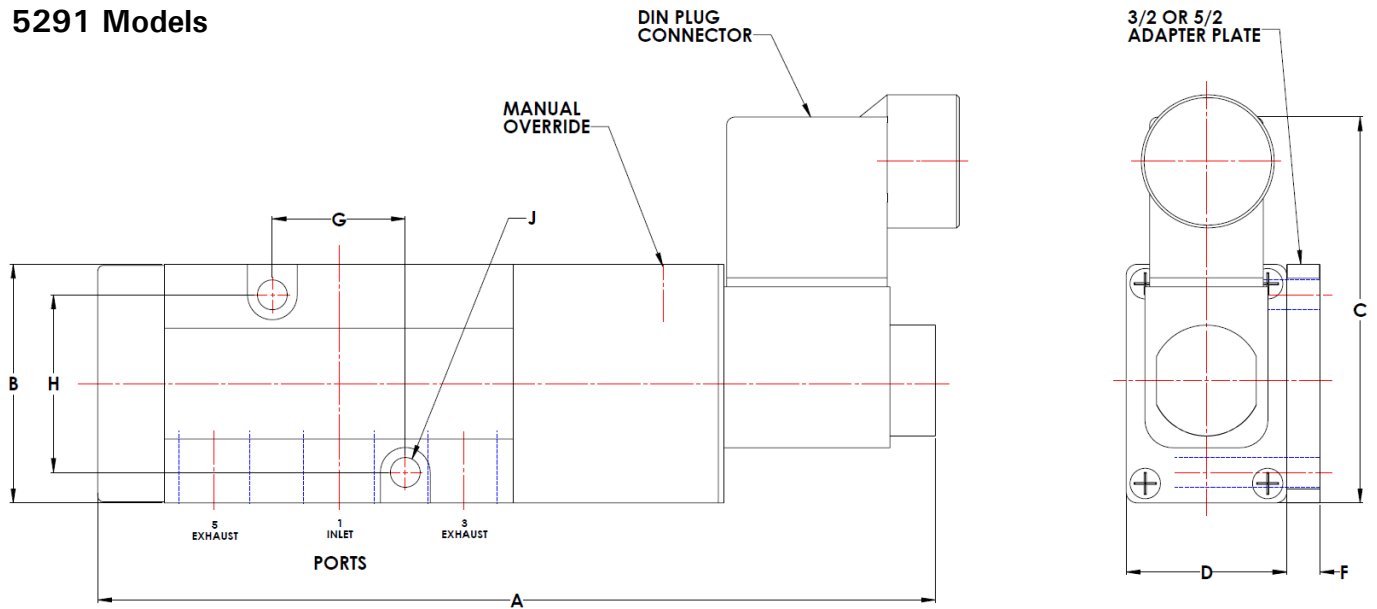
Stock Number	Pipe Size (NPT)	Orifice Diam. (mm)	Kv	Pressure (Bar)	Orientation	Actuator	Voltage	Power Consumption
529100A	1/4	5	0.95	2-8	Right	Rack & Pinion	120 VAC (50/60 Hz)	4.5 VA
529102A	1/4	5	0.95	2-8	Right	Rack & Pinion	24 VDC	4 W
529104A	1/4	5	0.95	2-8	Right	Rack & Pinion	12 VDC	4 W
529106A	1/4	5	0.95	2-8	Right	Rack & Pinion	220 VAC (50/60 Hz)	5 VA
529107A	1/4	5	0.95	2-8	Right	Rack & Pinion	240 VAC (50/60 Hz)	4.5 VA
529108A	1/4	5	0.95	2-8	Right	Rack & Pinion	24 VAC (50/60 Hz)	4.5 VA

Stock Number	Pipe Size (NPT)	Orifice Diam. (mm)	Kv	Pressure (Bar)	Orientation	Actuator	Voltage	Power Consumption
529200A	1/4	5	0.95	2-8	Left	Scotch Yoke	120 VAC (50/60 Hz)	4.5 VA
529202A	1/4	5	0.95	2-8	Left	Scotch Yoke	24 VDC	4 W
529204A	1/4	5	0.95	2-8	Left	Scotch Yoke	12 VDC	4 W
529206A	1/4	5	0.95	2-8	Left	Scotch Yoke	220 VAC (50/60 Hz)	5 VA
529207A	1/4	5	0.95	2-8	Left	Scotch Yoke	240 VAC (50/60 Hz)	4.5 VA
529208A	1/4	5	0.95	2-8	Left	Scotch Yoke	24 VAC (50/60 Hz)	4.5 VA

Voltage Tolerance: +/- 10%

Dimensions

5291 Models



	A	B	C	D	F	G	H	J	Ports (NPT)	Weight
inch	6.04	1.69	2.74	1.14	0.23	0.94	1.26	(2) 0.22	1/4	0.80 lb
mm	153.5	43	69.5	29	6	24	32	(2) 5.5	-	0.36 kg

5292 Models

