

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 dusttight 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.

Pressure-Temperature

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

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

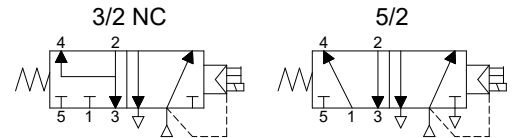
Ambient Temp. of Coil: -4 to 122° F (-20 to 50° C)

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



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 Di-am. (inch)	Cv	Pressure (PSI)	Body	Seals	Voltage	Power Consumption
529100A	1/4	0.20	1.1	30-116	Aluminum	NBR	120 VAC (50/60 Hz)	4.5 VA
529102A	1/4	0.20	1.1	30-116	Aluminum	NBR	24 VDC	4 W
529104A	1/4	0.20	1.1	30-116	Aluminum	NBR	12 VDC	4 W
529106A	1/4	0.20	1.1	30-116	Aluminum	NBR	220 VAC (50/60 Hz)	5 VA
529107A	1/4	0.20	1.1	30-116	Aluminum	NBR	240 VAC (50/60 Hz)	4.5 VA
529108A	1/4	0.20	1.1	30-116	Aluminum	NBR	24 VAC (50/60 Hz)	4.5 VA

Voltage Tolerance: +/- 10%

UL recognized coils, File E343908

Specifications (Metric units)

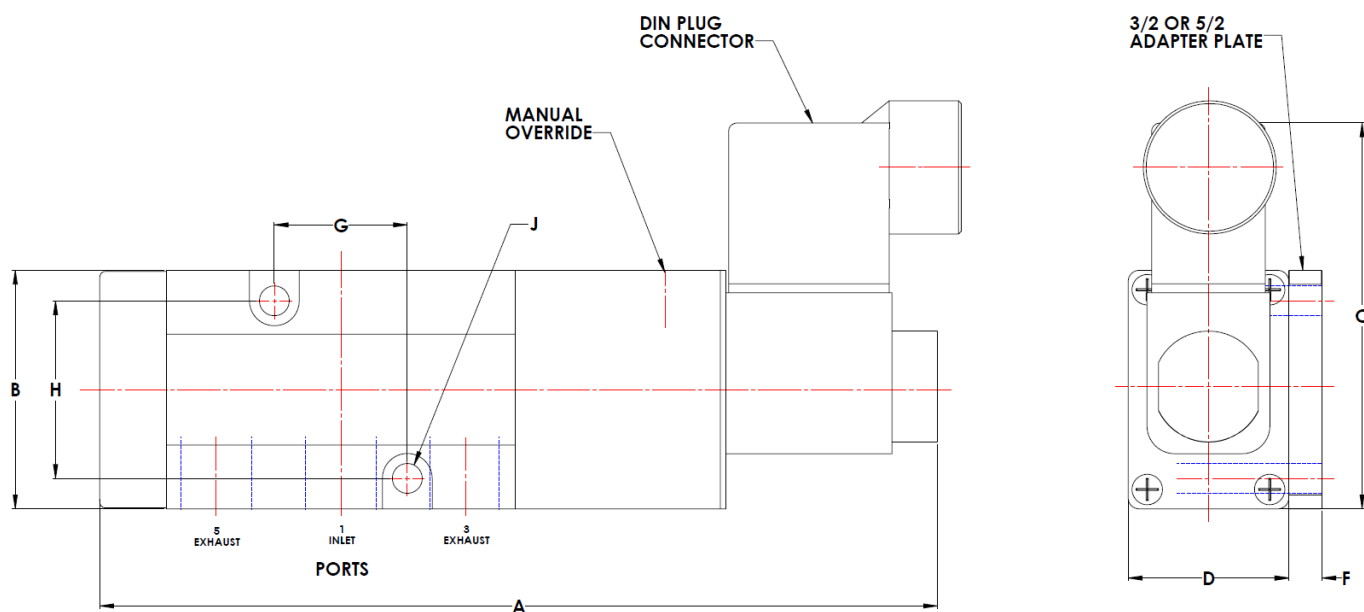
Stock Number	Pipe Size (NPT)	Orifice Di-am. (mm)	Kv	Pressure (Bar)	Body	Seals	Voltage	Power Consumption
529100A	1/4	5	0.95	2-8	Aluminum	NBR	120 VAC (50/60 Hz)	4.5 VA
529102A	1/4	5	0.95	2-8	Aluminum	NBR	24 VDC	4 W
529104A	1/4	5	0.95	2-8	Aluminum	NBR	12 VDC	4 W
529106A	1/4	5	0.95	2-8	Aluminum	NBR	220 VAC (50/60 Hz)	5 VA
529107A	1/4	5	0.95	2-8	Aluminum	NBR	240 VAC (50/60 Hz)	4.5 VA
529108A	1/4	5	0.95	2-8	Aluminum	NBR	24 VAC (50/60 Hz)	4.5 VA

Voltage Tolerance: +/- 10%



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

Dimensions



	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