

SOLENOID VALVES

In Nema 4 and Nema 7



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SV Direct Solenoids

Description

Based on NAMUR standard (32×24), the S4 Series AIR-CON NAMUR solenoid valve functions as 5/2 or 3/2NC and is available for the operation of double-acting and spring-return pneumatic actuators. Working pressure from 30 to 120 psi and the working voltage from 12~48 VDC, 110~240 VAC.



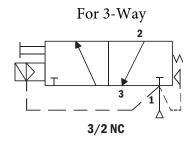
NEMA 4,4X IP66

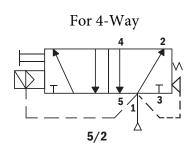




With LED light

MODEL CHOICE





TECHNICAL DATA

Spool Valve/Body	Extruded Aluminum
Coating	Anodized Coated
Air Port	1/4" NPT
cv	1.4 (25 mm²)
Installation and Connection	24x32 Namur, Manual Override On Body
Medium Temperature*	20°F ~ 175°F
Working Pressure	30 ~ 120 psi
Working Medium	Less Than 40µm Filtered and Dried Air
Working Life	More Than 1,000,000 Cycle (On The Normal Working Comdition)

SOLENOID COIL

Insulation	F Class (H Class On Requiring
Voltage Tolerance	±10%
Insulated Voltage	
Duty Cycle	100% Continuous
Weather Proof	IP66
Operating Temp.*	-5°F ~ 175°F

Model	Туре	Voltage	Power Consumption	Wiring Connector	Cable Size
S3-12A		120VAC	4.5VA		
S3-24D	3-WAY Conduit	24VDC	4W		
S3-12D	Single Solenoid	12VDC	4W	1/2"NPT	/
S3-22A	NAMUR Valve	220VAC	5VA		
S3-24A		24VAC	4.5VA		
S4-12A		120VAC	4.5VA		
S4-24D	4-WAY Conduit	24VDC	4W		
S4-12D	Single Solenoid	12VDC	4W	1/2"NPT	/
S4-22A	NAMUR Valve	220VAC	5VA		
S4-24A		24VAC	4.5VA		
S3ND120		120VAC	4.5VA		
S3ND24	3-WAY Conduit	24VDC	4W		
S3ND12	Single Solenoid	12VDC	4W	DIN PLUG	Dia.6-8mm
S3ND220	NAMUR Valve	220VAC	5VA		
S3ND120		24VAC	4.5VA		
S4ND120		120VAC	4.5VA		
S4ND24V	4-WAY Conduit	24VDC	4W		
S4ND12	Single Solenoid	12VDC	4W	DIN PLUG	Dia.6-8mm
S4ND220	NAMUR Valve	220VAC	5VA		
S4ND24V		24VAC	4.5VA		

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Description

➤ Based on NAMUR standard (32×24), the AIR-CON NAMUR solenoid valve can be adapted for 3/2 NC or 5/2 functions for controlling double-acting and singleacting pneumatic actuators. It is excellent for being used in hazardous area (Ex ia IIC T6). Working pressure from 30 to 120 psi and the working voltage is 24 VDC.









Based on NAMUR standard (32×24), the AIR-CON NAMUR solenoid valve can be adapted for 3/2 NC or 5/2 functions for controlling double-acting and singleacting pneumatic actuators. It is excellent for being used in hazardous area (Ex ia IIB T6 Ga). Working pressure from 30 to 120 psi and the working voltage is 24 VDC.





Solenoid NAMUR Valve







MODEL CHOICE

C/F

TECHNICAL DATA

Spool Valve/Body	Extruded Aluminum
Coating	Anodized Coated
Air Port	1/4" NPT
cv	1.1.(19.63 mm²)
Installation and Connection	24x32 Namur, Manual Override On Body
Medium Temperature*	-5°F ~ 175°F
Working Pressure	30 ~ 120 psi
Working Medium	Less Than 40µm Filtered and Dried Air
Working Life	More Than 1,000,000 Cycle (On The Normal Working Comdition)

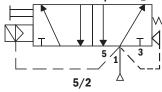
SOLENOID COIL (C3)

Insulation	F Class
Voltage Tolerance	±10%
Insulated Voltage	1000 V
Duty Cycle	100% Continuous
Weather Proof	IP64
Area Classification	Ex ia IIC T6
Operating Temp.*	15°F ~ 120°F

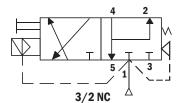
SOLENOID COIL (C7)

0.98W

SOLLINGID COIL (OI)		
Insulation	H Class	
Voltage Tolerance	±10%	
Coil Enclosure	Die-casting Aluminum +Epoxy Coated	
Insulated Voltage	1000 V	
Duty Cycle	100% Continuous	
Weather Proof	IP67	
Area Classification	Ex ia IIB T6 Ga (Class 1 Zone 0 AEx ia IIB T6 Ga)	
Operating Temp.*	15°F ~ 120°F	



For 4-Way



1/2" NPT

For 3-Way

Cable Size

Dia.3-5.5mm

Power Wiring Model **Type** Voltage Consumption Connector 3-Way or 4-Way Conduit Explosion Proof C/F 24VDC 0.7W DIN PLUG Solenoid NAMUR Valve 3-Way or 4-Way Conduit Explosion Proof 24VDC



Description

▶ Based on NAMUR standard (32×24), the AIR-CON solenoid valve can be adapted for 3/2 NC or 5/2 functions for controlling double-acting and single-acting pneumatic actuators. Working pressure from 30 to 120 psi and the working voltage from 24VDC, 110/220VAC.

TECHNICAL DATA

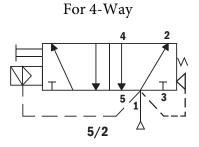
Spool Valve/Body	Extruded Aluminum
Coating	Anodized Coated
Air Port	1/4" NPT
cv	1.1.(19.63 mm²)
Installation and Connection	24x32 Namur, Manual Override On Body
Medium Temperature*	-5°F ~ 175°F
Working Pressure	30 ~ 120 psi
Working Medium	Less Than 40µm Filtered and Dried Air
Working Life	More Than 1,000,000 Cycle (On The Normal Working Comdition)





SOLENOID COIL

Insulation	H Class
Voltage Tolerance	±10%
Insulated Voltage	1000 V
Duty Cycle	100% Continuous
Weather Proof	IP66
Area Classification	Ex mb II T4 or T5
Operating Temp.*	-15°F ~ 150°F





MODEL CHOICE

For 3-1	Way	
	4	2
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L	5 1	3
3/2 NC		

Model	Туре	Voltage	Power Consumption	Wiring Connector	Cable Size
	3-Way or 4-Way	24VDC	3W		Dia.6-7mm
C/F	Conduit Explosion Proof Solenoid	110VAC	4VA	1.2m Cable Connection	Dia.6-7mm
NAMUR Valve	220VAC	4VA		Dia.6-7mm	

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FLO TITE valves & controls ®

Description

➤ Based on NAMUR standard, the AIR-CON NAMUR solenoid valve can be adapted for 3/2 NC or 5/2 functions for controlling double-acting and single-acting pneumatic actuators. The C1/C2 coil working pressure from 30 to120 psi .The C1 coil working voltage from 24VDC,110/220VAC.The C2 coil working voltage is 24VDC.





Coil

➤ Based on NAMUR standard (32×24), the AIR-CON NAMUR solenoid valve functions as 5/2 or 3/2NC and is available for the operation of double-acting and spring-return pneumatic actuators which located in hazardous (Ex d IIC T6 Gb) area. Working pressure from 2 bar to 8 bar and the working voltage from 12-48VDC, 110-240VAC.





TECHNICAL DATA

Spool Valve/Body	Extruded Aluminum
Coating	Anodized Coated
Air Port	1/4" NPT
cv	1.1.(19.63 mm²)
Installation and Connection	24x32 Namur, Manual Override On Body
Medium Temperature*	-5°F ~ 175°F
Working Pressure	30 ~ 120 psi
Working Medium	Less Than 40µm Filtered and Dried Air
Working Life	More Than 1,000,000 Cycle (On The Normal Working Comdition)

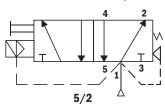
SOLENOID COIL (C1/C2)

Insulation	F Class
Voltage Tolerance	±10%
Insulated Voltage	1000 V
Duty Cycle	100% Continuous
Weather Proof	IP64
Operating Temp.*	15°F ~ 120°F

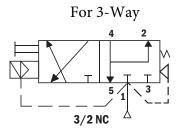
SOLENOID COIL (C5)

F Class (H Class On Requiring)
±10%
Die-casting Aluminum +Epoxy Coated
1000 V
100% Continuous
IP67
Ex d IIC T6 Gb (Class 1 Zone 1 AEx d IIC T6 Gb)
-5°F ~ 140°F

MODEL CHOICE



For 4-Way



	Model	Туре	Voltage	Power Consumption	Wiring Connector	Cable Size	
	C/F 3-Way or 4-Way Conduit Solenoid NAMUR Valve	C/F		24VDC	2.5W		
			110VAC	2.8VA			
			220VAV	2.8VA	DIN PLUG	Dia.3-5.5mm	
		24VDC	1W				
	3-Way or 4-Way Conduit Explosion		12VDC	3.5W			
		24VDC	3.5W				
		48VDC	3.5W				
	C/F	Proof Solenoid	110VAC	4VA	1/2"NPT	/	
		NAMUR Valve	210VAC	4VA			
			220VAC	4VA			
		240VAC	4VA				



Description

► Based on NAMUR standard (32×24), the AIR-CON NAMUR solenoid valve can be adapted for 3/2 NC or 5/2 functions for controlling double-acting and spring-return pneumatic actuators. Armed with stainless steel enclosure coilthis solenoid valve, it is excellent for being used in hazardous area. Working pressure from 30 to 120psi and the working voltage from 12~48 VDC, 110~240 VAC.











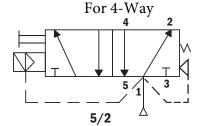
TECHNICAL DATA

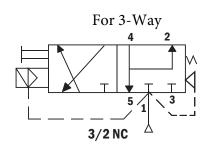
Spool Valve/Body	SS316 Stainless Steel
Coating	Electropolishing
Air Port	1/4" NPT
cv	1.1.(19.63 mm²)
Installation and Connection	24x32 Namur, Manual Override On Body
Medium Temperature*	-5°F ~ 175°F
Working Pressure	30 ~ 120 psi
Working Medium	Less Than 40µm Filtered and Dried Air
Working Life	More Than 1,000,000 Cycle (On The Normal Working Comdition)

SOLENOID COIL

Insulation	F Class (H Class On Requiring)	
Voltage Tolerance	±10%	
Insulated Voltage	1000 V	
Duty Cycle	100% Continuous	
Weather Proof	IP67	
Area Classification	Ex d IIC T6 Gb	
Operating Temp.*	-5°F ~ 140°F	







MODEL CHOICE

Model	Туре	Voltage	Power Consumption	Wiring Connector	Cable Size
	3-Way or 4-Way	12VDC	3.5W		
C/F	Conduit Explosion Proof Solenoid	24VDC	3.5W	1/2" NPT	1
	NAMUR Valve	48VDC	3.5W		
		110VAC	4VA		
C/F	3-Way or 4-Way Conduit Explosion	210VAC	4VA	1/2" NPT	,
3/1	Proof Solenoid NAMUR Valve	220VAC	4VA	1/2 INF I	
TVAIVIOTE VAIV		240VAC	4VA		

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3-Way Explosion Proof Single Solenoid NAMUR Valve



- Cv = 1.68
- **Ports** =1/4" NPT
- **Duty Cycle** = 100% Continuous
- **Power Consumption** = 4.6 watts
- **Pressure Range** = 20 to 120 psig
- Temperature Range = 35° to 130° F

Model	Voltage	Inrush
S3X-12A	120VAC	62mA
S3X-24D	24VDC	108mA
S3X-12D	12VDC	204mA
S3X-22A	220VAC	31mA

4-Way Explosion Proof Single Solenoid NAMUR Valve



- Cv = 1.68
- **Ports** =1/4" NPT
- **Duty Cycle** = 100% Continuous
- **Power Consumption** = 4.6 watts
- Pressure Range = 20 to 120 psig
- Temperature Range = 35° to 130° F

Model	Voltage	Inrush
S4X-12A	120VAC	62mA
S4X-24D	24VDC	108mA
S4X-12D	12VDC	204mA
S4X-22A	220VAC	31mA

OTHER OPTIONS

Description

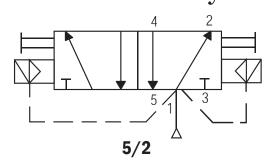
The AIR-CON NAMUR mount solenoid valve is a cost effective dual coil solenoid valve. These solenoid valves are offered as dual coil IP65 (C0A), dual coil explosion proof (C0E).



Explosion Proof



Ordinary Locations



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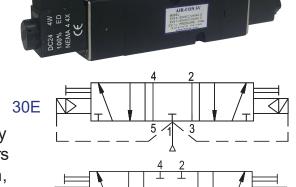
Dual Coil Solenoid Valves for Special Applications

OPEN CENTERS

The 30E open centers solenoid valve is a specially designed solenoid valve made for double acting actuators in three position applications.

CLOSED CENTERS

The 30C closed centers solenoid valve is a specially designed solenoid valve made for spring return actuators in three position applications. During the mid position, the air is trapped inside the solenoid valve, keeping 30C the springs from decompressing and keeping the actuator open or in a semi-open position.



► LIGHTED DIN CONNECTORS

Lighted DIN connectors offer clear housings, two poles with ground, ½" NPT or conduit connections. These DIN connectors allow for easy verification if the solenoid coil is energized or deenergized. Each lighted DIN connector is available with flying leads which allow for easy wiring.

> SPEED CONTROLS

Air-con offers NPT brass and stainless steel speed control mufflers for solenoid valves. These are needed for exhaust ports on solenoid valves to control the opening and closing speed of the valve assembly.





► MUFFLERS

return applications.

Air-con offers NPT brass and stainless steel speed control mufflers for solenoid valves. These are needed to help reduce the noise of exhausting air when a solenoid valve actuates. These can also be installed in the exhaust port of an actuator for spring



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