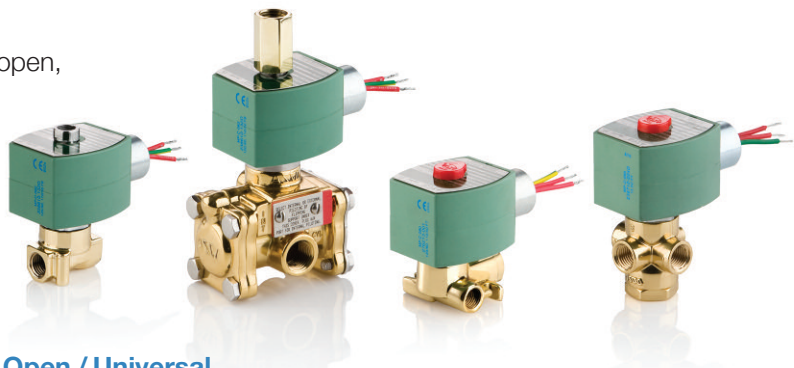


Three-way (3/2) general service solenoid valves have three ports and two orifices. When one orifice is open, the other is closed.

- Control of air, water, light oil, non-corrosive media
- Normally closed (pressure to cylinder port when energized) operation
- Normally open (cylinder port exhausts when energized) operation
- Universal (can function as normally closed, normally open, diverter of 1 fluid, or selector of 2 fluids) operation
- Size range of 1/8" to 1"



General Service - 3/2 Normally Closed / Normally Open / Universal

Pipe Size (in)	Orifice (in)	Cv Flow	Operating Pressure Differential (psi)				Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)
			Min.	Max.										UL	FM			
				Air	Water	Light Oil												
3/2 Normally Closed																		
1/8	3/64	0.06	0	200	200	200	180	8320G132	BR	NBR	120/60,110/50	20710	6.1	●	-	302120	238210-032-D*	2.1
		0.06	0	200	200	200	180	8320G132MS	BR	NBR	120/60,110/50	20900	6.1	●	-	302120-MS	238210-032-D*	2.1
		0.06	0	200	200	200	120	8320G132	BR	NBR	24/DC	21587	10.6	●	-	302216	238310-006-D*	2.1
	1/16	0.09	0	150	125	125	180	8320G013	BR	NBR	120/60,110/50	20674	6.1	●	-	302120	238210-032-D*	2.1
	3/32	0.12	0	100	100	100	180	8320G015	BR	NBR	120/60,110/50	20678	6.1	●	-	302120	238210-032-D*	2.1
3/2 Normally Open																		
1/8	3/64	0.06	0	200	200	200	180	8320G136	BR	NBR	120/60,110/50	20713	6.1	●	-	302156	238210-032-D*	2.1
		0.06	0	200	200	200	180	8320G136MS	BR	NBR	120/60,110/50	20903	6.1	●	-	302156-MS	238210-032-D*	2.1
	3/32	0.12	0	100	100	100	180	8320G029	BR	NBR	120/60,110/50	20687	6.1	●	-	302156	238210-032-D*	2.1
	3/16	0.35	0	250	250	250	200	8300G003G	BR	SS	120/60	21469	20.1	-	-	306680-G	272610-132-D*	3.0
3/2 Universal																		
1/8	3/64	0.06	0	175	175	175	140	8320G130	BR	NBR	120/60,110/50	20706	9.1	●	-	302084	238210-132-D*	2.1
		0.06	0	125	125	125	120	8320G130	BR	NBR	12/DC	20709	10.6	●	-	302190	238310-004-D*	2.1
	1/16	0.08	0	100	100	100	180	8320G001MS	BR	NBR	120/60,110/50	20662	9.1	●	-	302088-MS	238210-132-D*	2.1
		0.08	0	65	65	65	120	8320G001	BR	NBR	24/DC	20669	10.6	●	-	302191	238210-006-D*	2.1
		0.08	0	100	100	100	180	8320G001	BR	NBR	120/60,110/50	20661	9.1	●	-	302088	238210-132-D*	2.1
		0.08	0	100	100	100	180	8320G001	BR	NBR	24/60	21729	9.1	●	-	302088	238210-105-D*	2.1
		0.08	0	100	100	100	180	OPSP8320G001MS	BR	NBR	120/60,110/50	20666	9.1	●	-	302088-MS	238212-132-*	2.1
		0.08	0	100	100	100	180	8320G001	BR	NBR	120/60,110/50	20661	9.1	●	-	302088	238210-132-D*	2.1
	3/32	0.12	0	50	50	50	180	8320G083	BR	NBR	120/60,110/50	20697	6.1	●	-	302092	238210-032-D*	2.1
	1/8	0.21	0	30	30	30	180	8320G003	BR	NBR	120/60,110/50	20670	9.1	●	-	302096	238210-132-D*	2.1
0.21		0	30	30	30	180	8320G043	SS	NBR	120/60,110/50	20692	9.1	●	-	302098	238210-132-D*	2.1	

General Service - 3/2 Normally Closed / Normally Open / Universal 3/8" - 1"

Pipe Size (in)	Orifice (in)	Cv Flow	Operating Pressure Differential (psi)				Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)
			Min.	Max.										UL	FM			
				Air	Water	Light Oil												
3/2 Normally Closed																		
3/8	1/4	0.45	0	250	250	250	200	8300D009F	BR	SS	120/60	01186	28.0	-	-	306682-F	222345-005-D*	4.5
		0.8	10	200	200	200	180	8321G002	BR	NBR	120/60,110/50	20784	6.1	●	-	302925	238210-032-D*	3.8
	9/32	0.8	10	200	200	200	180	EF8321G002	BR	NBR	120/60,110/50	20785	6.1	●	-	302925	238214-032-D*	3.8
		0.8	10	200	200	200	120	EF8321G002	BR	NBR	24/DC	20790	10.6	●	-	302929	238314-006-D*	3.8
		2.5	10	250	250	-	180	EF8316G014 ①	BR	NBR	120/60,110/50	20607	17.1	-	-	314495	238614-132-D*	4.5
		2.5	10	250	250	-	180	8316G014 ①	BR	NBR	120/60,110/50	20606	17.1	-	-	314495	238610-132-D*	4.5
	5/8	3	5	125	125	-	120	EF8316G054 ①	BR	NBR	24/DC	21866	10.1	-	-	314493	238314-006-D*	4.5
		3	10	150	125	-	180	8316G054 ①	BR	NBR	120/60,110/50	20625	6.1	-	-	314491	238210-032-D*	4.9
		3	10	150	125	-	180	EF8316G054 ①	BR	NBR	120/60,110/50	20626	6.1	-	-	314491	238214-032-D*	4.9
		5/16	0.75	0	120	120	120	200	8300G068F	BR	SS	120/60	21480	20.1	-	-	306683-F	272610-132-D*
1/2	5/16	3.2	10	150	125	-	180	8316G064MO ①	BR	NBR	120/60,110/50	21882	6.1	-	-	318183	238210-032-D*	4.9
		3.2	10	125	125	-	120	8316G064 ①	BR	NBR	24/DC	21859	10.6	-	-	314493	238210-006-D*	4.9
	5/8	3.2	10	125	125	-	120	EF8316G064 ①	BR	NBR	24/DC	21100	10.6	-	-	314493	238210-006-D*	4.9
		3.2	10	250	250	-	180	8316G024 ①	BR	NBR	120/60,110/50	20613	17.1	-	-	314495	238610-132-D*	4.0
		3.2	10	250	250	-	180	EF8316G024 ①	BR	NBR	120/60,110/50	21356	17.1	-	-	314495	238614-132-D*	4.9
		3.2	10	150	125	-	180	8316G064 ①	BR	NBR	120/60,110/50	20637	6.1	-	-	314491	238210-032-D*	4.9
		3.2	10	150	125	-	180	EF8316G064 ①	BR	NBR	120/60,110/50	20638	6.1	-	-	314491	238214-032-D*	4.9
3/4	11/16	4.8	10	250	250	-	180	8316G044 ①	BR	NBR	120/60,110/50	20623	17.1	-	-	314495	238610-132-D*	4.9
		4.8	10	150	125	-	180	EF8316G074 ①	BR	NBR	120/60,110/50	20645	6.1	-	-	314491	238210-032-D*	4.9
		4.8	10	150	125	-	180	8316G074 ①	BR	NBR	120/60,110/50	20644	6.1	-	-	314491	238210-032-D*	5.1
1	1	12.5	10	150	125	-	180	8316G034 ①	BR	NBR	120/60,110/50	21728	6.1	-	-	302661	238210-032-D*	8.8
3/2 Normally Open																		
3/8	9/32	0.8	10	200	200	200	180	8321G004	BR	NBR	120/60,110/50	20793	6.1	●	-	302927	238210-032-D*	3.8
		2.5	10	150	125	-	180	8316G056 ①	BR	NBR	120/60,110/50	20635	6.1	-	-	314492	238210-032-D*	4.9
	5/8	2.5	10	250	250	-	180	8316G016 ①	BR	NBR	120/60,110/50	20611	17.1	-	-	314496	238610-132-D*	4.5
3.2		10	250	250	-	180	8316G026 ①	BR	NBR	120/60,110/50	20616	17.1	-	-	314496	238210-132-D*	5.1	
1/2	5/8	3.2	10	250	250	-	180	8316G026MO ①	BR	NBR	120/60,110/50	20617	17.1	-	-	314496-MO	238610-132-D*	5.1
		3.2	10	150	125	-	180	8316G066 ①	BR	NBR	120/60,110/50	20641	6.1	-	-	314492	238210-032-D*	4.9
		3.2	10	150	125	-	180	EF8316G066 ①	BR	NBR	120/60,110/50	21750	6.1	-	-	314492	238214-032-D*	4.9
		3/4	11/16	4.8	10	150	125	-	180	8316G076 ①	BR	NBR	120/60,110/50	20646	6.1	-	-	314492
3/2 Universal																		
3/8	1/4	0.45	0	120	120	120	200	8300D009U	BR	SS	120/60	01189	28.0	-	-	306682-U	222345-005-D*	4.5
1/2	3/8	0.86	0	35	35	35	200	8300G076U	BR	SS	120/60	21489	20.1	-	-	306684-U	272610-132-D*	5.0

① A Minimum Operating Pressure Differential must be maintained between the pressure and exhaust ports. Supply and exhaust piping must be full area, unrestricted. ASCO flow controls and other similar components must be installed in the cylinder lines only.

Pneumatic pilot valves are three-way (3/2) valves made for pneumatically controlling other system components including cylinders and actuators.

- 1/8" male threads (can be mounted directly to the ASCO Angle Body Piston Valves)
- Pad mount for use with ASCO pad single station sub-bases (must be ordered separately)



3/2 Normally Closed Pneumatic

Pipe Size (in)	Orifice (in)	Cv Flow	Operating Pressure Differential (psi)				Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)
			Min.	Max.										UL	FM			
				Air	Water	Light Oil												
3/2 Normally Closed																		
1/8 Male	3/64	0.05	0	145	-	-	140	18900036	PA+V	NBR	120/60,110/50	18900036-120/60	2.5	-	-	-	43004884	1.0
		0.05	0	145	-	-	140	18900036	PA+V	NBR	24/DC	18900036-24/DC	2.5	-	-	-	43004869	1.0
		0.05	0	145	-	-	140	18900049	PA+V	NBR	120/60,110/50	18900049-120/60	2.5	-	-	-	43004884	1.0
		0.05	0	145	-	-	140	18900049	PA+V	NBR	24/DC	18900049-24/DC	2.5	-	-	-	43004869	1.0
Pad Mounted																		
①	3/64	0.05	0	145	-	-	140	18900001	PA+V	NBR	120/60,110/50	18900001-120/60	2.5	-	-	-	43004884	1.0
		0.05	0	145	-	-	140	18900001	PA+V	NBR	24/DC	18900001-24/DC	2.5	-	-	-	43004869	1.0
		0.05	0	145	-	-	140	18900001	PA+V	NBR	-	18900001	-	-	-	-	-	1.0

① To convert pad mount products to 1/8" female piped version order single station sub-base (Zinc) catalog number 3530051 separately.

Din Connectors

Description	Orientation	Rotatable	Order Code
Size 11 mm, Form B			
1/2" conduit	Ground Down	180°	290413-001
PG 9 cable gland ①	Ground Down	180°	290414-001
Size 18 mm, Form A			
1/2" conduit	Ground Down	90°	290410-001
PG 11 cable gland	Ground Down	90°	290411-001
6' leads with North American outlet plug	Ground Up	-	272852
PG 11 cable gland for ASCO Timer Drain Valve	Ground Up	90°	272873

① Available in 10 pack as order code 226061-001-*



Electronic Timer

Supply Voltage	Max. Current Consumption	Max. Ambient Temp. °F	Switch Capacity	Inrush Current Capacity	Repeat Accuracy	Scale Accuracy	Adjustable On Time	Adjustable Off Time	Catalog Number and Order Code
24-240V AC/DC 50/60 Hz	4 mA	122	1 Amp	10 Amps for 10 mSec	+/- 0.1%	+/- 10%	2 - 40 Sec	30 Sec to 45 Min	272839-001



Muffler

Pipe Size (in)	Body Material	Catalog Number and Order Code
1/8	BR	264645-001
1/4	BR	264645-002



Prefix/Suffix Definitions

Prefix	
D	Shielded Core Design
EF	Explosionproof Enclosure
EV	Explosionproof Enclosure in Stainless Steel
HB	High Temperature Leaded Coil, Class H
HC	Battery Charging Circuits (125 or 250 DC), Class H
HT	High Temperature Leaded Coil, Class H
IS	Intrinsically Safe
J	Wiring Box
JB	Wiring Box with Leads
KF	Screw Terminals, Class F
OF	Open Frame Enclosure
P	Panel Mount
SC	DIN Enclosure (ISO 4400/DIN 43650), Class F (Class H High Temperature for 2, 11, 11.9, 17, and 22.9 watts)
SD	DIN Enclosure (ISO 4400/DIN 43650), Class F
SF	Spade Coil, Class F
SM	Spade Coil, Class B
SP	Spade Enclosure, Class F
SU	DIN Enclosure (ISO 4400/DIN 43650), High Temperature, Class H
U	Open Frame Enclosure
WB	Thermoplastic Encapsulated Watertight Junction Box
WT	Watertight Enclosure
X	Special Construction, varies with TPL number

Suffix	
B	LP Gas Service
C	Position Indication Switch
E	Ethylene Propylene (EPDM)
F	Valve Operation Type (Normally Closed)
HW	Hot Water Construction
L	Metal Seat
LT	Low Temperature Construction
M	Metered Flow Control
MO	Manual Operator, Momentary
MS	Manual Operator, Screw Type
N	Oxygen Service
P	Dry Gas, Non-Lubricated Air
Q	Long Life, Quiet Design
R	Resilient Seating
T	Polytetrafluorethylene (PTFE)
U	Valve Operation Type (Universal)
V	Fluorocarbon (FKM)
VH	Vacuum (High) Construction
VI	Visual Indicator
VM	Vacuum Service (Medium)