

NAMUR INTERFACE VALVES D SERIES

Product Catalog





NAMUR interface valves are designed to easily mount directly to pneumatic valve actuators, and are used as pilot valves to control the actuator in many flow processes.



	VALVE FEATURES				
Compact Design	Balanced spool construction, compact size, low profile and high performance				
Solenoid Pilot	Pilot uses full air line pressure to shift the valve Solenoid guaranteed against burnout				
Weather-Proof Coil	Hermetically sealed as an integral water tight molded unit; robust enclosures to function in rugged environments				
Tapered Tee-Seal	Bidirectional tapered Tee-Seal eliminates sticking problems Tested tough & proven reliable according to SAE specifications: rust & water injected every 864,000 cycles for 20-million cycle				
Manual Override	Allows the solenoid valve to be used manually in case of electrical failure, or for quick cycle testing				
External Pilot Supply	Easily field convertible to external pilot supply				
Custom options available, consult AVI.					

PRODUCT CREDENTIALS								
Functional Safety Approval	Safety Integrity Level Per IEC 61508:2001	Declaration of Conformity	Certificate of Compliance					
SGS FUNKTIONALE SICHERHEIT GEPRÜFT FUNCTIONAL SAFETY APPROVED	Up to	CE	c د س					

Actuation	Function	Port Size	Series		Maximum Flow	Page	
Auton		1/4	D06	D20	C _v (I/min)	l ago	
	3/2	٠	•	•	1.8 (1770)	4 – 5	
Solenoid Pilot	5/2	٠		•	1.8 (1770)	6 – 7	
	5/3	•		•	1.4 (1381)	8 – 9	
Accessories	Accessories						

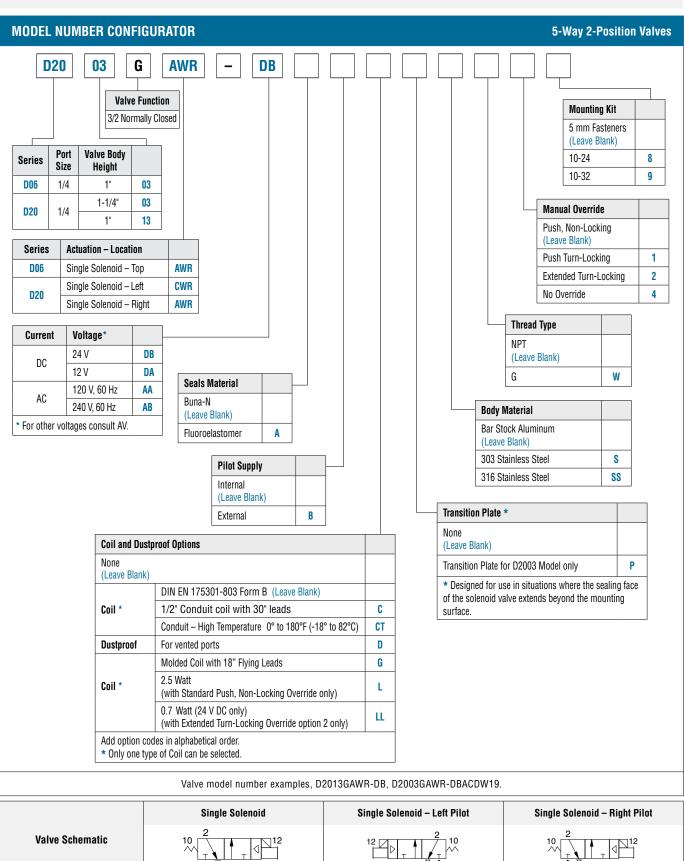
Specifications



Function 32 Sive - Normally Closed So Yahve - Closed Center, Open Center, and Power Center Construction Design Spoint Construction Design Spoint Mounting Direct Mount NMMUR Interface (according to the standard VDI/VDE 3845) Mounting Threaded, NPT Connection Threaded, NPT Manual Override Push, Non-Looking Perst, Non-Looking			STANDARD SI	PECIFICATIONS					
GENERAL Bounting Actuation Electrical – Solenoid Pilot Controlled Mounting Kit 5 mm Fasteners Connection Threaded; NPT Mounting Kit 5 mm Fasteners Manual Override Push, Mon-Locking		Function	5/2 Valve		r				
GENERAL Mounting Direct Mount; NAMUR Interface (according to the standard VDI/VDE 3845) Mounting Kit 5 mm Fasteners Connection Threaded; NPT		Construction Design							
Mounting Direct Mounting Kit 5 mm Fasteners Connection Threaded, NPT Manual Override Push, Non-Locking Ambient -20° to 123°F (-29° to 50°C) Fernperature Media For temperatures below 40°F (4°C) air must be free of water vapor to prevent formation of ice. Flow Media Filtered air Operating Pressure 32 Valves D06 Series 3 to 150 psig (2 to 10.3 bar) 52 Valves 35 to 150 psig (2.4 to 10.3 bar) 553 Valves 50 to 150 psig (2.4 to 10.3 bar) Syland Pressure 32 & 5.2 Valves 35 to 150 psig (2.4 to 10.3 bar) 573 Valves 50 to 150 psig (2.4 to 10.3 bar) 573 Valves 50 to 150 psig (2.4 to 10.3 bar) 573 Valves 50 to 150 psig (2.4 to 10.3 bar) 573 Valves 50 to 150 psig (2.4 to 10.3 bar) 573 Valves 50 to 150 psig (2.4 to 10.3 bar) 573 Valves 50 to 150 psig (2.4 to 10.3 bar) 573 Valves 50 to 150 psig (2.4 to 10.3 bar) 573 Valves 50 to 150 psig (2.4 to 10.3 bar) 573 Valves 50 to 150 psig (2.4 to 10.3 bar) 1/2 volts, 60 Hz 6.5 VA 6.5 VA 20 volts, 60 Hz	GENERAL	Actuation	•						
Connection Mounting Kit 5 mm Fasterers Connection Threadet, NPT Manual Override Push, Non-Locking Performation Ambient Fernperature Ambient Flow Media -20° to 123°F (-29° to 50°C) Flow Media Filtered air Poperating Pressure 3/2 Valves 5/2 Valves 5/3 to 150 psig (2 to 10.3 bar) 5/2 Valves 5/3 to 150 psig (2 4 to 10.3 bar) 5/3 Valves 5/0 to 150 psig (2 4 to 10.3 bar) 5/3 Valves 5/0 to 150 psig (2 4 to 10.3 bar) 5/3 Valves 5/0 to 150 psig (2 4 to 10.3 bar) 5/3 Valves 5/0 to 150 psig (2 4 to 10.3 bar) 5/3 Valves 5/0 to 150 psig (2 4 to 10.3 bar) 5/3 Valves 5/0 to 150 psig (2 4 to 10.3 bar) 5/3 Valves 5/0 to 150 psig (2 4 to 10.3 bar) 6/3 Valves 5/0 to 150 psig (2 4 to 10.3 bar) 5/3 Valves 5/0 to 150 psig (2 4 to 10.3 bar) 6/3 Valves 5/0 to 150 psig (2 4 to 10.3 bar) 6/3 Valves 5/0 to 150 psig (2 4 to 10.3 bar) 6/3 Valves 5/0 to 150 psig (2 4 to 10.3 bar) <td></td> <td>Mounting</td> <td>Direct Mount; NAM</td> <td colspan="6">Direct Mount; NAMUR Interface (according to the standard VDI/VDE 3845)</td>		Mounting	Direct Mount; NAM	Direct Mount; NAMUR Interface (according to the standard VDI/VDE 3845)					
Manual Override Push, Non-Locking Ambient -20° to 123°F (-29° to 50°C) Fermperature Media For temperatures below 40°F (4°C) air must be free of water vapor to prevent formation of ice. Flow Media Filtered air Operating Pressure 32 Valves D6 Series 0 to 150 psig (0 to 10.3 bar) 52 Valves 50 to 150 psig (2.4 to 10.3 bar) 50 to 150 psig (2.4 to 10.3 bar) Feternal Pilot Supply Pressure 32 & 8.52 Valves 35 to 150 psig (2.4 to 10.3 bar) 53 Valves 50 to 150 psig (3.4 to 10.3 bar) - Feternal Pilot Supply Pressure 32 & 8.52 Valves 35 to 150 psig (2.4 to 10.3 bar) Solenoids Gurrent Flow Operating Voltage Power Consumption (each solenoid) AC 120 volts, 60 Hz 6.8 VA DC 24 volts 4.5 watts DC 12 volts, 60 Hz 6.8 VA DI NE N 175301-		wounting	Mounting Kit 5 mm Fasteners						
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Operating Pressure 3/2 Valves D20 Series 35 to 150 psig (2.4 to 10.3 bar) 5/2 Valves 35 to 150 psig (2.4 to 10.3 bar) 5/2 Valves 35 to 150 psig (2.4 to 10.3 bar) 5/3 Valves 50 to 150 psig (2.4 to 10.3 bar) 5/3 Valves 50 to 150 psig (2.4 to 10.3 bar) 5/3 Valves 50 to 150 psig (2.4 to 10.3 bar) 3/2 Valves 35 to 150 psig (2.4 to 10.3 bar) External Pilot Supply Pressure 3/2 & 5/2 Valves 35 to 150 psig (2.4 to 10.3 bar)		Flow Media	Filtered air						
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Final Prior Presence 5/2 Valves 35 to 150 psig (2.4 to 10.3 bar) Final Prior Supply Pressure 3/2 & 5/2 Valves 50 to 150 psig (3.4 to 10.3 bar) 3/2 & 5/2 Valves 35 to 150 psig (2.4 to 10.3 bar) 5/3 Valves 50 to 150 psig (3.4 to 10.3 bar) 5/3 Valves 50 to 150 psig (3.4 to 10.3 bar) 5/3 Valves 50 to 150 psig (3.4 to 10.3 bar) 5/3 Valves 50 to 150 psig (3.4 to 10.3 bar) Final Prior Valves 50 to 150 psig (3.4 to 10.3 bar) Final Prior Valves 50 to 150 psig (3.4 to 10.3 bar) Final Prior Valves 50 to 150 psig (3.4 to 10.3 bar) Solenoids Current Flow Operating Voltage Power Consumption (each solenoid) 6.5 VA AC 120 volts, 60 Hz 6.8 VA AC 24 volts 6.8 VA DC 24 volts 4.5 watts Rated for continuous duty 4.5 watts Final Prior Pr	CONDITIONS	Operating Processo	3/2 Valves	D20 Series	35 to 150 psig (2.4 to 10.3 bar)				
External Pilot Supply Pressure 3/2 & 5/2 Valves 3 5 to 150 psig (2.4 to 10.3 bar) 5/3 Valves 50 to 150 psig (2.4 to 10.3 bar) 50 to 150 psig (3.4 to 10.3 bar) FELECTRICAL DATA FORD SOLENOID PILOT A Current Flow Operating Voltage Power Consumption (each solenoid) AC 120 volts, 60 Hz 6.5 VA 240 volts, 60 Hz 6.8 VA DC 24 volts 4.5 watts Rated for continuous duty 4.5 watts Electrical Connection IP 65 IV2 Conduit coil with 18" leads 1/2" Conduit coil with 30" leads 1/2" Conduit coil with 30" leads 1/2" Conduit coil with 30" leads Solenoid Body Polyamid 66 Spool Aluminum Seals Buna-N Safety Integrity Level (SIL) Certified by SGS-TÜV Saar in accordance to IEC 61508 safety integrity level 2 (SIL 2) in singular application with HFT = 0, and SIL 3 and PL e in redundant application with HFT ≥ 1.			5/2 Valves	35 to 150 psig (2.4 to 10.3 bar)					
External Pilot Supply Pressure 5/3 Valves 50 to 150 psig (3.4 to 10.3 bar) FELECTRICAL DATA FOR SOLENOID PILOT A Current Flow Operating Voltage Power Consumption (each solenoid) AC 120 volts, 60 Hz 6.5 VA DC 240 volts, 60 Hz 6.8 VA AC 24 volts 6.8 VA DC 24 volts 6.8 VA Rated for continuous duty 4.5 watts Electrical Connection DN EN 175301-803 Form B Molded coil with 18" leads 1/2" Conduit coil with 30" leads 1/2" Conduit coil with 30" leads 1/2" Conduit coil with 30" leads Solenoid Body Polyamid 66 Spool Aluminum Seals Buna-N Safety Data Safety Integrity Level (SIL)				5/3 Valves 50 to 150 psig (3.4 to 10.3 bar)					
ELECTRICAL DATA FOR SOLENDIDO PILOT AC 120 volts, 60 Hz 6.5 VA AC 120 volts, 60 Hz 6.5 VA 24 volts, 60 Hz 6.8 VA DC 24 volts, 60 Hz 6.8 VA DC 24 volts, 60 Hz 6.8 VA Bated for continuous duty 4.5 watts Enclosure Rating IP 65 Electrical Connection IN EN 175301-803 Form B Molded coil with 18' leads 1/2' Conduit coil with 30' leads 1/2' Conduit coil with 30' leads 1/2' Conduit coil with 30' leads Solenoid Body Polyamid 66 Spool Aluminum Seals Buna-N		External Dilot Supply Pressure	3/2 & 5/2 Valves 35 to 150 psig (2.4 to 10.3 bar)						
FLECTRICAL DATA FOR SOLENOID PILOT Solenoids Current Flow Operating Voltage (each solenoid) AC 12 volts, 60 Hz 6.5 VA 240 volts, 60 Hz 6.8 VA DC 24 volts, 60 Hz 6.8 VA Bated for continuous duty 4.5 watts Rated for continuous duty Rated for continuous duty Enclosure Rating IP 65 Electrical Connection Molded coil with 18' leads Molded coil with 18' leads 1/2' conduit coil with 30' leads Y2' Conduit coil with 30' leads 1/2'' Conduit coil with 30' leads Solenoid Body Polyamid 66 Spool Aluminum Seals Buna-N SafeTY DATA Safety Integrity Level (SIL) Certified by SGS-TÜV Saar in accordance to IEC 61508 safety integrity level 2 (SIL 2) in singular application with HFT = 0, and SIL 3 and PL e in redundant application with HFT ≥ 1.			5/3 Valves	5/3 Valves 50 to 150 psig (3.4 to 10.3 bar)					
AC 240 volts, 60 Hz 6.8 VA DC 240 volts, 60 Hz 6.8 VA DC 24 volts 4.5 watts DC 12 volts 4.5 watts Rated for continuous duty 12 volts 4.5 watts Enclosure Rating IP 65 IP 65 Electrical Connection Molded coil with 18' leads IP 61 Molded coil with 18' leads 1/2'' Conduit coil with 30' leads IP 61 I/2'' Conduit coil with 30' leads IP 61 IP 61 IP 61 Molded coil with 18' leads IP 61 IP 61 IP 61 IP 61 Molded coil with 18' leads IP 61 IP			Current Flow	Operating Voltage					
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DC 12 volts 4.5 watts DATA FOR Rated for continuous duty 12 volts Rated for continuous duty Enclosure Rating IP 65 Electrical Connection IN EN 175301-803 Form B Molded coil with 18" leads 1/2" Conduit coil with 30" leads 1/2" Conduit coil with 30" leads Valve Body Bar Stock Aluminum Solenoid Body Polyamid 66 Spool Aluminum Seals Buna-N Safety DATA Safety Integrity Level (SIL) Certified by SGS-TÜV Saar in accordance to IEC 61508 safety integrity level 2 (SIL 2) in singular application with HFT = 0, and SIL 3 and PL e in redundant application with HFT ≥ 1.		Solenoids	AU	240 volts, 60 Hz	6.8 VA				
DATA FOR SOLENOID PILOT 12 volts 4.5 watts Rated for continuous duty Rated for continuous duty Enclosure Rating IP 65 Electrical Connection DIN EN 175301-803 Form B Molded coil with 18° leads 1/2° Conduit coil with 30° leads 1/2° Conduit coil with 30° leads 1/2° Conduit coil with 30° leads Solenoid Body Polyamid 66 Spool Aluminum Seals Buna-N SAFETY DATA Safety Integrity Level (SIL) Certified by SGS-TÜV Saar in accordance to IEC 61508 safety integrity level 2 (SIL 2) in singular application with HFT = 0, and SIL 3 and PL e in redundant application with HFT ≥ 1.	ELECTRICAL		DC	24 volts	4.5 wette				
PILOT Rated for continuous duty Enclosure Rating IP 65 DIN EN 175301-803 Form B Molded coil with 18" leads Icertrical Connection Molded coil with 18" leads I/2" Conduit coil with 30" leads I/2" Conduit coil with 30" leads Solenoid Body Bar Stock Aluminum Solenoid Body Polyamid 66 Spool Aluminum Seals Buna-N	DATA FOR		DU	12 volts					
Link End (2000) DIN EN 175301-803 Form B Molded coil with 18" leads Molded coil with 30" leads 1/2" Conduit coil with 30" leads Valve Body Bar Stock Aluminum Solenoid Body Polyamid 66 Spool Aluminum Seals Buna-N Safety Data Safety Integrity Level (SIL) Certified by SGS-TÜV Saar in accordance to IEC 61508 safety integrity level 2 (SIL 2) in singular application with HFT = 0, and SIL 3 and PL e in redundant application with HFT ≥ 1.			Rated for continuou	s duty					
Electrical Connection Molded coil with 18" leads 1/2" Conduit coil with 30" leads Valve Body Bar Stock Aluminum Solenoid Body Polyamid 66 Spool Aluminum Seals Buna-N Safety DATA Safety Integrity Level (SIL) Certified by SGS-TÜV Saar in accordance to IEC 61508 safety integrity level 2 (SIL 2) in singular application with HFT = 0, and SIL 3 and PL e in redundant application with HFT ≥ 1.		Enclosure Rating	IP 65						
CONSTRUCTION Valve Body Bar Stock Aluminum Solenoid Body Polyamid 66 Spool Aluminum Seals Buna-N SAFETY DATA Safety Integrity Level (SIL) Certified by SGS-TÜV Saar in accordance to IEC 61508 safety integrity level 2 (SIL 2) in singular application with HFT = 0, and SIL 3 and PL e in redundant application with HFT ≥ 1.			DIN EN 175301-803	B Form B					
Valve Body Bar Stock Aluminum Solenoid Body Polyamid 66 Spool Aluminum Seals Buna-N SAFETY DATA Safety Integrity Level (SIL) Certified by SGS-TÜV Saar in accordance to IEC 61508 safety integrity level 2 (SIL 2) in singular application with HFT = 0, and SIL 3 and PL e in redundant application with HFT ≥ 1.		Electrical Connection	Molded coil with 18	" leads					
Solenoid Body Polyamid 66 Spool Aluminum Seals Buna-N SAFETY DATA Safety Integrity Level (SIL) Certified by SGS-TÜV Saar in accordance to IEC 61508 safety integrity level 2 (SIL 2) in singular application with HFT = 0, and SIL 3 and PL e in redundant application with HFT ≥ 1.			1/2" Conduit coil wit	th 30" leads					
Spool Aluminum Seals Buna-N SAFETY DATA Safety Integrity Level (SIL) Certified by SGS-TÜV Saar in accordance to IEC 61508 safety integrity level 2 (SIL 2) in singular application with HFT = 0, and SIL 3 and PL e in redundant application with HFT ≥ 1.		Valve Body	Bar Stock Aluminun	1					
MATERIAL Spool Aluminum Seals Buna-N SAFETY DATA Safety Integrity Level (SIL) Certified by SGS-TÜV Saar in accordance to IEC 61508 safety integrity level 2 (SIL 2) in singular application with HFT = 0, and SIL 3 and PL e in redundant application with HFT ≥ 1.	CONSTRUCTION	Solenoid Body	Polyamid 66						
SAFETY DATASafety Integrity Level (SIL)Certified by SGS-TÜV Saar in accordance to IEC 61508 safety integrity level 2 (SIL 2) in singular application with HFT = 0, and SIL 3 and PL e in redundant application with HFT ≥ 1.		Spool							
		Seals							
IMPORTANT NOTE: Please read carefully and thoroughly all of the CALITIONS WARNINGS on the inside back cover	SAFETY DATA	Safety Integrity Level (SIL)	Certified by SGS-TÜ application with HFT	V Saar in accordance to IEC 61508 s = 0, and SIL 3 and PL e in redundan	afety integrity level 2 (SIL 2) in singular t application with HFT ≥ 1.				
and other thous to a out out out out out out of an of the on other one, which which the inside back 60061.		IMPORTANT NOTE: Please rea	d carefully and thorough	ly all of the CAUTIONS, WARNINGS of	on the inside back cover.				

Ordering Information

3/2 Valves



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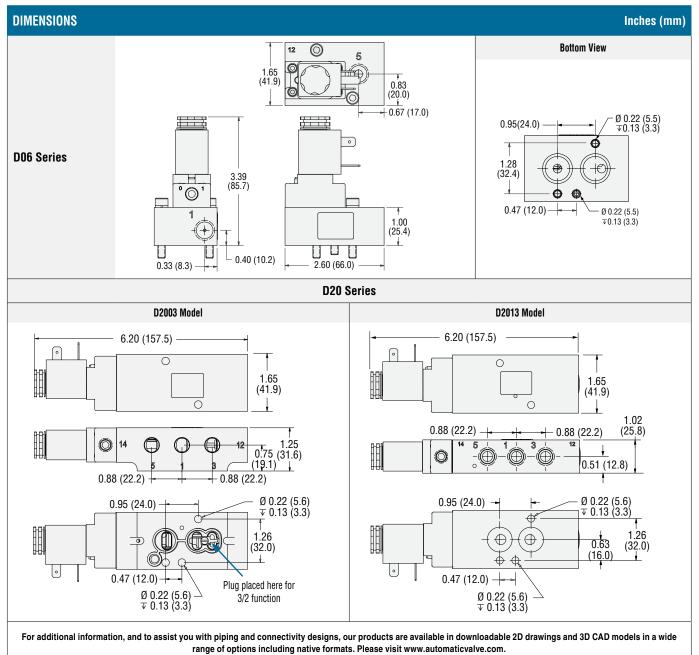
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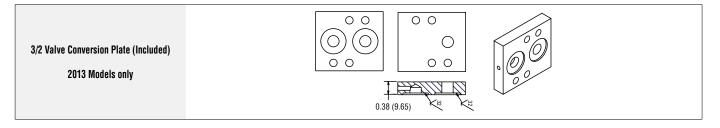
Valve Technical Data



3/2 Valves

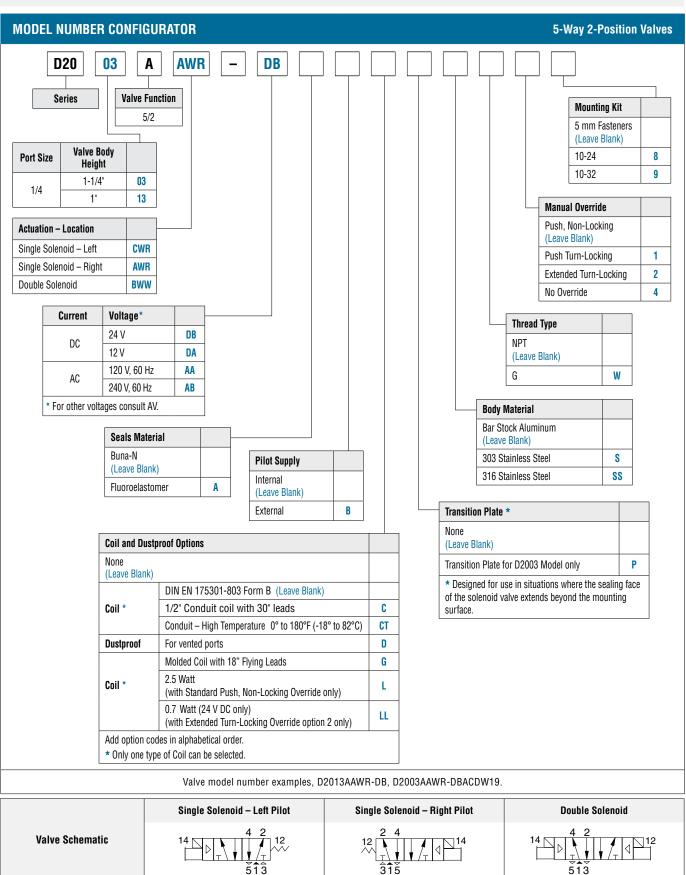
Series	Soria				Weight	
Series	Port 1	Port 3	Cv (I/min)	lb (kg)		
D06	1/4	1/4	0.06 (59)	0.58 (0.26)		
D20	1/4	1/4	1.8 (1770)	0.70 (0.32)		





Ordering Information

5/2 Valves



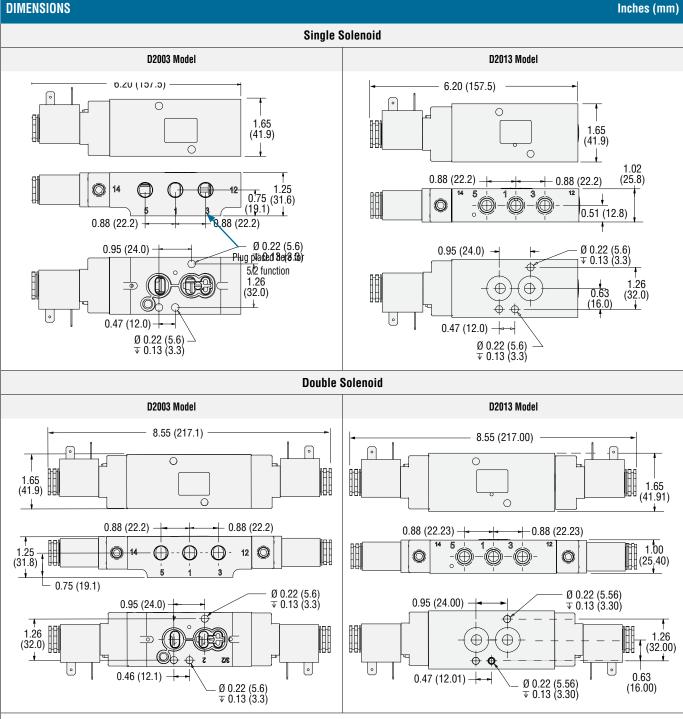
Valve Technical Data



5/2 Valves

Solenoid	Salaraid		Flow	Weight	
Suleilulu	Port 1 Port 3, 5	Cv (I/min)	lb (kg)		
Single	1/4	1/4	1.8 (1770)	0.70 (0.32)	
Double	1/4	1/4	1.8 (1770)	0.75 (0.34)	

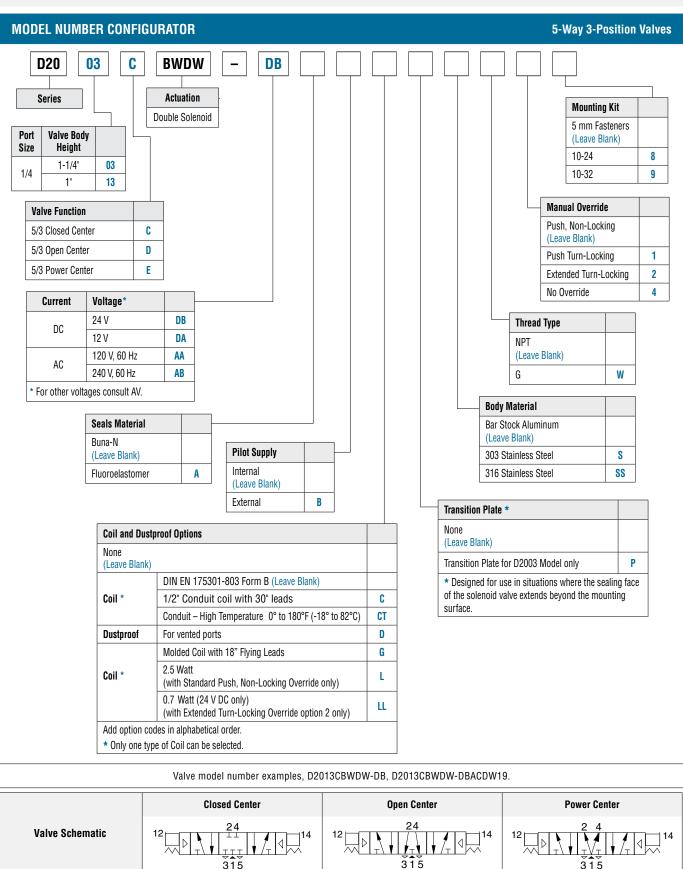
DIMENSIONS



For additional information, and to assist you with piping and connectivity designs, our products are available in downloadable 2D drawings and 3D CAD models in a wide range of options including native formats. Please visit www.automaticvalve.com.

Ordering Information

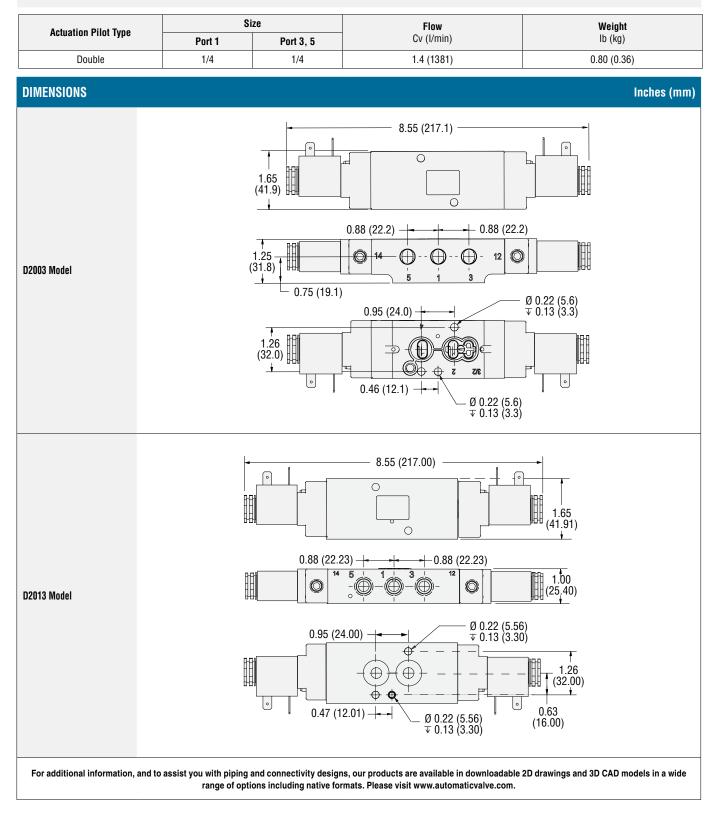
5/3 Valves



Valve Technical Data



5/3 Valves



ELECTRICAL CONNECTORS								
	Connector Model Number							
			_	Quantity	Maximum Cord		Lighted Connector	
Connectors	Туре	Connection	Fitting Connection	Included	Diameter mm	Without Light	6-48 V AC/DC	100-240 V AC 48-120 V DC
	DIN 43650	Solenoid	Cable grip	1	9mm	7020-001	7020-DB	7020-AA
Industrial Form B	Soleliolu	1/2" NPT conduit	1	_	7039-001	-	-	
# Not polarity dependent.								

PREWIRED ELECTRICAL CONNECTORS

	Cable								Model Number			
	End 1	End 2	Longth		Quantity	Cord		Lighted Connector				
Prewired	Connector	Cord	Length feet (meters)	Included	Diameter mm	Without Light	6-48 V AC/DC	100-240 V AC 48-120 V DC				
Connectors	Molded DIN 43650 Industrial Form B	Flying leads	6 (1.8)	Solenoid	1	6	7020-006	-	_			
	Cable grip DIN 43650 Industrial Form B	Flying leads	6 (1.8)	Solenoid	1	6	-	7094-007	7094-006			

	Electrical Connectors		Prewired Electr	ical Connectors
7020-001	7020-AA, 7020-DB	7039-001	7020-006	7094-006, 7094-007



SOLENOID COILS										
	Electrical Connection	Enclosure Rating	Maximum Operating Temperature	ModelNumber	Weight Ib (kg)					
	DINEN 43650 Industrial Form B	IDEE	10295 (5090)	7019-9**	0.12 (0.05)					
Weather-Proof Coils	Molded Coil with 18" Leads	– IP65	123°F (50°C)	7019-9**G	0.12 (0.05)					
	1/0" Conduit Cail with 20" Loads	IDEE	123°F (50°C)	7019-9**C	0.10 (0.05)					
	1/2" Conduit Coil with 30" Leads	IP65	180°F (82°C)	7019-9**CT	0.12 (0.05)					
		** Insert voltage code from below.								

Coil Type	Current Flow	Voltage +/- 10%	** Voltage Code	Pov	ver	Cur Am		Resistance OHMS @ 25°C
	FIUW	+/- 10%	Voltage Code	DC = Watts	AC = VA	Inrush	Holding	
	DC	12 V	DA	4.8	-	0.380	0.380	32
DIN EN 43650	DC	24 V	DB	4.8	-	0.200	.0200	121
Industrial Form B	AC	120 V 60 Hz	AA	-	6.9	0.075	0.050	32
	AU	240 V 60	AB	-	6.4	0.038	0.025	121
	DC	12 V	DA	4.8	-	0.380	0.380	32
Molded Coil with 18"	DC	24 V	DB	4.8	-	0.200	.0200	121
Leads	AC	120 V 60 Hz	AA	-	6.9	0.075	0.050	32
	AU	240 V 60 Hz	AB	-	6.4	0.038	0.025	121
	DC	12 V	DA	4.8	-	0.400	0.400	32
1/2" Conduit Coil with 30" Leads	DC	24 V	DB	4.8	-	0.200	0.200	121
123°F (50°C)	AC	120 V 60 Hz	AA	-	6.9	0.078	0.058	840
	AU	240 V 60	AB	-	6.4	0.039	0.028	3900
	DO	12 V	DA	4.8	-	0.400	0.400	32
1/2" Conduit Coil with 30" DC Leads	DC	24 V	DB	4.8	-	0.200	0.200	121
180°F (82°C)	AC	120 V 60 Hz	AA	-	6.9	0.078	0.058	840
	AU	240 V 60	AB	-	6.4	0.039	0.028	3950

	Solenoid Coils							
DIN EN 43650 Industrial Form B	Molded coil with 18" Leads	1/2" Conduit coil with 30" Leads						
AV 201-64.1 197 25 500 Pr 195 5500 Pr 195 800 Pr 195 80	NOT-R200 N V K. 44W 6 6 6 8 NN 100007 19 Mel 150 7555 -	AV 2015 SIAC OS 5 SIA 2 SIA SIA 2 SIA SIA 2 SIA SIA 2 SIA 3						

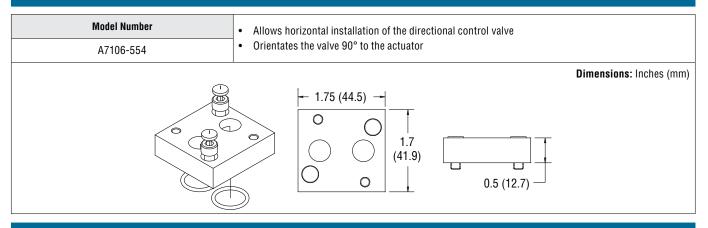


EXHAUST SILENCERS										
Silencers	Material	Port Size	Thread Type	Model Number	Flow C _v (I/min)		imensions ches (mm)	Weight Ib (kg)	Pressure Range psig (bar)	
				NPT Thread		Length	Hex Size			
	Aluminum	1/4	Male	84C-2	2.3 (2060)	1.69 (42.	9) 0.56 (14.3)	0.04 (0.02)	0-300 (0-20) maximum	
	Sintered Bronze	1/4	Male	84D-2	0.7 (600)	1.31 (33.	3) 0.56 (14.3)	0.03 (0.01)		
EXHAUST RESTRICTOR SILENCER										
	Material	Port	Thread			Dimensions Inches (mm)		Weight		
	Material	-		Model Number	Flow				Pressure Range	
Speed Control	Material	Port Size	Thread Type	Model Number NPT Thread	Flow C _v (I/min)		ches (mm)	Weight Ib (kg)	Pressure Range psig (bar)	
Speed Control Silencers	Material Sintered Bronze	-				In	ches (mm) Hex Size			
Silencers		Size	Туре	NPT Thread	C _v (l/min) 0.7 (600)	In Length	Hex Size 9) 0.56 (14.3)	lb (kg)	psig (bar) 0-300 (0-20) maximum	



TRANSITION PLATE (Option P) Model Number Option P – When ordering the plate with a valve. A8021-339 The Transition Plate is designed for use in situations where the sealing face of the solenoid valve extends beyond the mounting surface. The minimum required mounting area measures 6,4 cm x 3,5 cm (2 1/2" x 1 3/8") Image: Colored transition of the solenoid valve extends beyond the mounting area measures 6,4 cm x 3,5 cm (2 1/2" x 1 3/8") Image: Colored transition of the solenoid valve extends beyond the mounting area measures 6,4 cm x 3,5 cm (2 1/2" x 1 3/8") Image: Colored transition of the solenoid valve extends beyond the mounting area measures 6,4 cm x 3,5 cm (2 1/2" x 1 3/8") Image: Colored transition of the solenoid valve extends beyond the mounting area measures 6,4 cm x 3,5 cm (2 1/2" x 1 3/8") Image: Colored transition of the solenoid valve extends beyond the mounting area measures 6,4 cm x 3,5 cm (2 1/2" x 1 3/8") Image: Colored transition of the solenoid valve extends beyond the mounting area measures 6,4 cm x 3,5 cm (2 1/2" x 1 3/8") Image: Colored transition of the solenoid valve extends beyond the mounting area measures (0,4 cm x 3,5 cm (2 1/2" x 1 3/8") Image: Colored transition of the solenoid valve extends beyond the mounting area measures (0,4 cm x 3,5 cm (2 1/2" x 1 3/8") Image: Colored transition of the solenoid valve extends transition of the solenoid valve ext

90° MOUNTING PLATE



SPEED CONTROL VALVE

Model Number A7106-554	 Mounts between the Directional Control Valve Mounts on the NAMUR pad Functions as a flow control for both cylinder Is easily adjustable, turn the needles clockwide 	
Operating Pressure: 35 to 150 psig (2 to 10 bar) Operating Temperature: 0°F to +125°F (-18°C to +52°C) Approximate Weight: 0.16 lb (0.07 kg)	 ■ 0.41 (10.3) ■ 0.41	Dimensions: Inches (mm) Compact Module with Keystone and NAMUR Mounting Screws #10-32 x 1.75 O-Ring Seal for Air Passages Long Taper Needle for Close Control

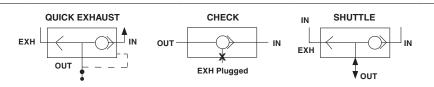
QUICK EXHAUST, CHECK AND SHUTTLE VALVE								
Series	Port Size		Port Thread	Model Number	Flow	Pressure psig (bar)		Weight
	Inlet, Outlet	Exhaust			C _v (I/min)	Min.	Max.	lb (kg)
MQ2	1/4	1/4	NPTF	370A-22	0.97 (890)	0.3 (4)	10.7 (150)	0.16 (0.07)

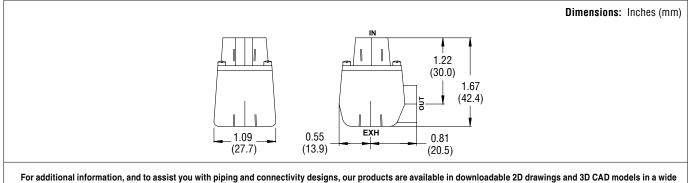


Rugged internal construction outlasts and out performs the competition.

Quick Exhaust – When IN is pressurized, flow is from IN to OUT with EXH blocked. When OUT is pressurized, flow is from OUT to EXH with IN blocked. Check Valve – Free flow from IN to OUT with EXH plugged. No flow from OUT to IN with EXH plugged.

Shuttle Valve – When IN is pressurized, flow is from IN to OUT with EXH blocked. When EXH is pressurized, flow is from EXH to OUT with IN blocked.





litional information, and to assist you with piping and connectivity designs, our products are available in downloadable 2D drawings and 3D CAD models i range of options including native formats. Please visit www.automaticvalve.com.



ROSS OPERATING VALVE, ROSS CONTROLS®, ROSS DECCO®, and AUTOMATIC VALVE INDUSTRIAL, collectively the "ROSS Group".

PRE-INSTALLATION or SERVICE

1. Before servicing a valve or other pneumatic component, be sure all sources of energy are turned off, the entire pneumatic system is shut down and exhausted, and all power sources are locked out (ref: OSHA 1910.147, EN 1037).

2. All ROSS Group Products, including service kits and parts, should be installed and/or serviced only by persons having training and experience with pneumatic equipment. Because any product can be tampered with and/or need servicing after installation, persons responsible for the safety of others or the care of equipment must check ROSS Group Products on a regular basis and perform all necessary maintenance to ensure safe operating conditions.

3. All applicable instructions should be read and complied with before using any fluid power system to prevent harm to persons or equipment. In addition, overhauled or serviced valves must be functionally tested prior to installation and use. If you have any questions, call your nearest ROSS Group location.

4. Each ROSS Group Product should be used within its specification limits. In addition, use only ROSS Group components to repair ROSS Group Products.

WARNINGS:

Failure to follow these instructions can result in personal injury and/or property damage.

FILTRATION and LUBRICATION

1. Dirt, scale, moisture, etc., are present in virtually every air system. Although some valves are more tolerant of these contaminants than others, best performance will be realized if a filter is installed to clean the air supply, thus preventing contaminants from interfering with the proper performance of the equipment. The ROSS Group recommends a filter with a 5-micron rating for normal applications.

2. All standard ROSS Group filters and lubricators with polycarbonate plastic bowls are designed for compressed air applications only. Use the metal bowl guard, where provided, to minimize danger from high pressure fragmentation in the event of bowl failure. Do not expose these products to certain fluids, such as alcohol or liquefied petroleum gas, as they can cause bowls to rupture, creating a combustible condition and hazardous leakage. Immediately replace crazed, cracked, or deteriorated bowls.

3. Only use lubricants which are compatible with materials used in the valves and other components in the system. Normally, compatible lubricants are petroleum base oils with oxidation inhibitors, an aniline point between 180°F (82°C) and 220°F (104°C), and an ISO 32, or lighter, viscosity. Avoid oils with phosphate type additives which can harm polyurethane components, potentially leading to valve failure which risks personal injury, and/or damage to property.

WARNINGS:

Failure to follow these instructions can result in personal injury and/or property damage.

AVOID INTAKE/EXHAUST RESTRICTION

1. Do not restrict air flow in the supply line. To do so could reduce the pressure of the supply air below minimum requirements for the valve and thereby causing erratic action.

2. Do not restrict a valve's exhaust port as this can adversely affect its operation. Exhaust silencers must be resistant to clogging and must have flow capacities at least as great as the exhaust capacities of the valves. Contamination of the silencer can result in reduced flow and increased back pressure.

WARNINGS: Failure to follow these instructions can result in personal injury and/or property damage.

SAFETY APPLICATIONS

1. Mechanical Power Presses and other potentially hazardous machinery using a pneumatically controlled clutch and brake mechanism must use a press control double valve with a monitoring device. A double valve without a self-contained monitoring device should be used only in conjunction with a control system which assures monitoring of the valve. All double valve installations involving hazardous applications should incorporate a monitoring system which inhibits further operation of the valve and machine in the event of a failure within the valve mechanism.

2. Safe Exhaust (dump) valves without a self-contained monitoring device should be used only in conjunction with a control system which assures monitoring of the valve. All Safe Exhaust valve installations should incorporate a monitoring system which inhibits further operation of the valve and machine in the event of a failure within the valve mechanism.

3. Per specifications and regulations, the ROSS L-O-X[®] and L-O-X[®] with EEZ-ON[®], N06 and N16 Series operation products are defined as energy isolation devices, NOT AS EMERGENCY STOP DEVICES.

WARNINGS:

Failure to follow these instructions can result in personal injury and/or property damage.

STANDARD WARRANTY

All products sold by the ROSS Group are warranted for a one-year period [with the exception of Filters, Regulators and Lubricators ("FRLs") which are warranted for a period of seven (7) years] from the date of purchase. All products are, during their respective warranty periods, warranted to be free of defects in material and workmanship. The ROSS Group's obligation under this warranty is limited to repair, replacement or refund of the purchase price paid for products which the ROSS Group has determined, in its sole discretion, are defective. All warranties become void if a product has been subject to misuse, misapplication, improper maintenance, modification or tampering. Products for which warranty protection is sought must be returned to the ROSS Group freight prepaid.

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