

SOLENOID VALVES

2/2 - PILOT OPERATED-DIAPHRAGM SERIES

TYPE : SS 221 Normally Closed,

SS 222 Normally Open

Application

FOR DRY OR LUBRICATED AIR & INERT GASES, WATER AND OIL

Material Specification

BODY :-Aluminium / Brass and St. Steel Optional.

INTERNALS :- St. Steel / Brass

SEALS :-Standard Nitrile, optional Viton and Silicon

Airmatic

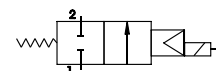


Port Sizes	Orifice in mm	Flow Factors		Admissible Pressure Range (Kg/cm ²)			Max. Admissible Fluid Temperature °C			Seal Material	Power Consumption	Model/Ref. No			
		Gases	Liquids									Valve	Coil	Plug	Voltage AC / DC
		* Q _N (Nl/min)	K _v (l/min) Q _{max.} (l/min)	Min.	Max. DC	AC	Gas	Water	Oil						

MODEL :-221 Normally Closed

*Air Flow @ 7 kg/Cm²g and press drop. 1 Kg/Cm²

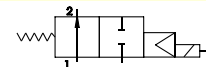
Aluminium / Brass Body / Pipe Mounting



G 1/4	14.5	1840	35	18.5	0.3	10	10					8	SS 221 - 02 - 010 - A - N			12
						40	40					14	SS 221 - 02 - 040 - B - N			
G 3/8	14.5	2410	50	23	0.3	10	10					8	SS 221 - 03 - 010 - A - N			24
						40	40					14	SS 221 - 03 - 040 - B - N			
G 1/2	14.5	3840	60	27	0.3	10	10					8	SS 221 - 04 - 010 - A - N	BF8	PB	110
						40	40					14	SS 221 - 04 - 040 - B - N	BF14	PBS	
G 3/4	20	10200	160		0.3	10	10	100	75	75	NITRILE	8	SS 221 - 06 - 010 - A - N	BH8	PBL	220
						40	40					14	SS 221 - 06 - 040 - B - N	BH14	PDL	
G 1	25	13440	210		0.3	10	10					8	SS 221 - 08 - 010 - A - N	DF		
						40	40					14	SS 221 - 08 - 040 - B - N			
G 1 1/2	40	34000	530		0.5	10	10					8	SS 221 - 12 - 010 - A - N			
G 2	40	37200	580		0.5	10	10					8	SS 221 - 16 - 010 - A - N			

MODEL :-222 Normally Open

Aluminium / Brass Body / Pipe Mounting



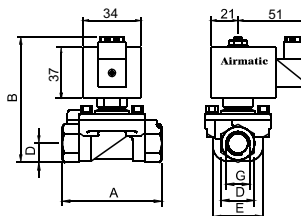
G 1/4	14.5	1840	35	18.5	0.3	10	10					8	SS 222 - 02 - A - 010 - N			12
						40	40					14	SS 222 - 02 - B - 040 - N			
G 3/8	14.5	2410	50	23	0.3	10	10					8	SS 222 - 03 - A - 010 - N			24
						40	40					14	SS 222 - 03 - B - 040 - N			
G 1/2	14.5	3840	60	27	0.3	10	10					8	SS 222 - 04 - A - 010 - N	BF8	PB	110
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G 3/4	20	10200	160		0.3	10	10	100	75	75	NITRILE	8	SS 222 - 06 - A - 010 - N	BH8	PBL	220
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G 1	25	13440	210		0.3	10	10					8	SS 222 - 08 - A - 010 - N	DF		
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G 1 1/2	40	34000	530		0.5	10	10					8	SS 222 - 12 - A - 010 - N			
G 2	40	37200	580		0.5	10	10					8	SS 222 - 16 - A - 010 - N			

Technical Specification

RESPONSE TIME	0.02 sec.
MAX. WORKING FREQUENCY	2 cycles / sec.
VOLTAGE FLUCTUATION	+/- 10%
ELECTRICAL CONNECTION	DIN PLUG CONNECTION
PLUG CONNECTOR	PB/PD STANDARD PLUG
	PBL/PDL STANDARD PLUG WITH LED
DUTY CYCLE / INSULATION	100% / CLASS F-STANDARD
DEGREE OF PROTECTION	STANDARD IP 65

Dimensions

TYPE SS221/222



G-Sizes	A	B	C	D	E
G1/4	77	98	16	29	42
G3/8					
G1/2					
G3/4	100	129	24	43	59
G1					
G1 1/2	136	162	36	67	108
G2	136	174	47	81	108

DIMENSIONS ARE IN MM.

Shah Pneumatics

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Model Ordering Code Instruction

SS	221	-	02	-	010	-	A	-	N	-	B	F	8	-	PB	-	220V AC
Single Solenoid	1-NC 2-NO	Sizes 02-G1/4 03-G3/8 04-G1/2 06-G3/4 08-G1 12-G1 1/2 16-G2	Pressure Range 10-0-10 Kg/cm ² 20-0-20 Kg/cm ² 40-0-40 Kg/cm ² Blank - BSP N - NPT	Seal mat. N-Nitrile V-Viton P-PU A - Alu. B - Brass S - S.S.304	Coil Type B	8W 14W	Plug Type PB - Std plug PBL - with LED PD - for D Coil PDL - for D Coil with LED	Coil Voltage 220V 110V 24V 12V	AC	DC							
2-Pilot Operated																	
2-2/2 Way																	
ORDER CODE : SS221-02-010-A-N-B-F-8-PB-220VAC																	

ORDER CODE : SS221-02-010-A-N-BF8-PB-220VAC.