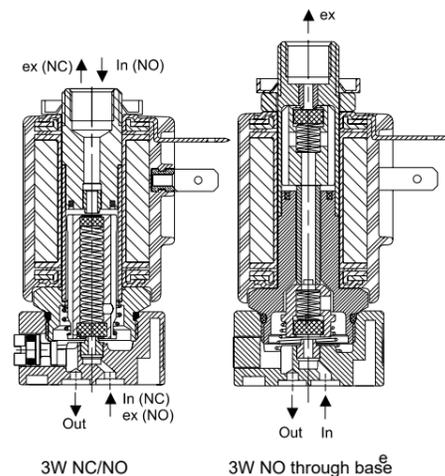
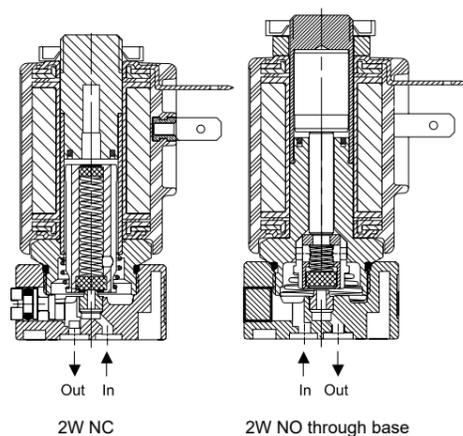


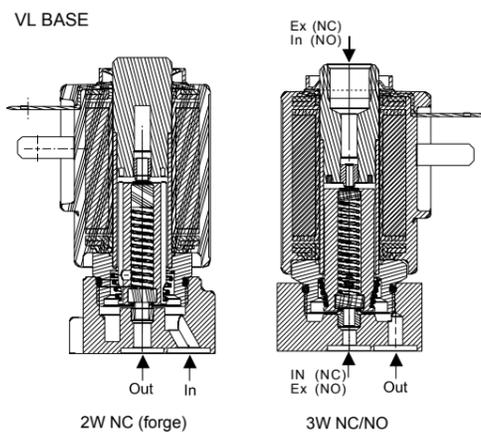
SOLENOID VALVES | General Purpose

Direct Operated | Manifolds | GEM-SOL

Type V 2 Way, 3 Way NC, NO



Type VL 2 Way, 3 Way NC, NO



Size : Any number of stations, built from three basic components: left end section, right end section and middle section.
 Assembly : Push in and turn 90° clockwise
 Port size : 1/8" BSP or NPT
 Material : Mazak, Brass

How to Order manifold components

GEM-V	PORT	COMPONENT	BODY
BSP 10	Left	1	Mazak 1
NPT 11	Right	2	Brass 2
	Middle	3	

Example : GEM-V-1021

GEM-SOL V type manifold 1/8" BSP, right component, Mazak body.

GEM-V - 10 2 1

Max. Pressure (bar) 2W, 3W NC table

Coil Current/Power	Orifice (mm)					
	0.8	1.2	1.6	2.0	2.4	3.0
ADC •	23	20	15	10	8	5.5
AC8W, DC10W	35	30	17	14	10	6
AC5.5W	23	20	15	10	8	5.5
AC2.5W, DC5.5W, DC3.5W	20	16	10	9	5	4
Flow factor Kv(l/min)	0.6	1.1	1.7	2.5	3.5	4.5

Max. Pressure (bar) 2W, 3W NO table

Coil Current/Power	Orifice (mm)					
	0.8	1.2	1.6	2.0	2.4	3.0
ADC •	25	20	15	11	8	6
*AC8W, DC10W	30	22	17	12	10	7
*AC5.5W, DC5.5W	25	20	15	11	8	6
*AC2.5W, DC3.5W	20	18	12	8	6	4
Flow factor Kv(l/min)	0.6	1	1.4	2.2	3.0	3.5

* These are not applicable for NO through base valves
 • ADC valves are only suitable for use with AC8W or DC10W coils.

Voltage & Power Consumption

V	AC (W)						DC (W)		
	50 Hz			60 Hz			10	5.5	3.5
	8	2.5	8	5.5	2.5				
6							•	•	•
12	•			•			•	•	•
24	•	•	•	•	•	•	•		
48	•			•			•		
110	•			•	•		•		
120	•			•					
220	•	•	•	•			•		
230	•	•							
240	•			•			•		

• Available options

* To order manifolds manufactured according to your specific requirements, please contact our technical sales department.

Direct Operated | Manifolds | GEM-SOL

How to Order | GEM-V manifold | all valves having identical functions

GEM-V	No. of VALVES / specify quantity	No. of STATIONS / specify quantity without manifold	PORT	BODY	FUNCTION	ORIFICE	SEALS	MANUAL OVERRIDE	VOLTAGE	POWER	CONNECTOR							
	1/8" BSP	10	Mazak	1	2W NC	1	0.8	1	NBR	N	None	0	W/out coil	0	No coil	0	without	0
	1/8" NPT	11	Brass	2	2W NO	2	1.2	2	FKM	V	Plastic	1	6	1	AC8W 50Hz	1	with	1
					2W NO ⁽¹⁾ 2a	1.6	3	EPDM	E	Slot	2	2	12	2	AC8W 60Hz	2	with LED	2
					3W NC	3	2.0	4		Knob	3	3	24	3	DC10W	3	with bi-color LED	3
					3W NO	4	2.4	5		Push	4	4	48	4	AC5.5W 50Hz	4	flying leads coil	4
					3W NO ⁽¹⁾ 4a	2.4	5			Push lock	5	5	110	5	AC5.5W 60Hz	5	with 1/2" Hub	5
												6	120	6	AC2.5W 50/60Hz	6	connector with moulded cable	7
												7	220	7A	DC5.5W	7	other	9
												8	230	7	DC3.5W	8		
												8	240	8				
												9	Latch/ other ⁽²⁾	9				

Example : GEM-V-6/6-10132V2-220
 GEM-SOL direct operated sub-base V type, 1/8" BSP with Mazak body, 3WNC, 1.2, FKM, slot M/O, 12V AC 8W 60Hz without connector.

GEM-V - 6 6 10 1 3 2 V 2 2 2 0

(1) Supply pressure through base
 (2) For specifying Latch type coil, please refer to GEM-A3P valve - How to Order table.

How to Order | GEM-V | individual valves with independent functions

GEM-V	No. of VALVES / specify quantity	No. of STATIONS / specify quantity	PORT	BODY	FUNCTION	ORIFICE	SEALS	MANUAL OVERRIDE	VOLTAGE	POWER	CONNECTOR
As above table											

GEM-SOL direct operated sub-base V type of which :
 Example : GEM-V-2/6-10132NO-221 : 2/6 stations with 1/8" BSP Mazak, 3WNC, 1.2, NBR, no M/O, 12V AC 8W 60Hz with connector
 Example : GEM-V-3/6-10142NO-221 : 3/6 stations with 1/8" BSP Mazak, 3WNO, 1.2, NBR, no M/O, 12V AC 8W 60Hz with connector
 Example : GEM-V-1/6-10112NO-221 : 1/6 stations with 1/8" BSP Mazak, 2WNC, 1.2, NBR, no M/O, 12V AC 8W 60Hz with connector

How to Order | GEM-V body

GEM-V-BODY	PORT	BODY	FUNCTION	ORIFICE	SEALS	MANUAL OVERRIDE	VOLTAGE	POWER	CONNECTOR									
1/8" BSP	10	Mazak	1	2W NC	1	0.8	1	NBR	N	None	0	W/out coil	0	No coil	0	without	0	
1/8" NPT	11	Brass	2	2W NO	2	1.2	2	FKM	V	Plastic	1	6	1	AC8W 50Hz	1	with	1	
				2W NO ⁽¹⁾ 2a	1.6	3	EPDM	E	Slot	2	2	12	2	AC8W 60Hz	2	with LED	2	
				3W NC	3	2.0	4		Knob	3	3	24	3	DC10W	3	with bi-color LED	3	
				3W NO	4	2.4	5		Push	4	4	48	4	AC5.5W 50Hz	4	flying leads coil	4	
				3W NO ⁽¹⁾ 4a	2.4	5			Push lock	5	5	110	5	AC5.5W 60Hz	5	with 1/2" Hub	5	
												6	120	6	AC2.5W 50/60Hz	6	connector with moulded cable	7
												7	220	7A	DC5.5W	7	other	9
												8	230	7	DC3.5W	8		
												8	240	8				
												9	Latch/ other ⁽²⁾	9				

Example : GEM-V-BODY-10132V2-220
 GEM-SOL direct operated V type valve, 1/8" BSP with Mazak body, 3WNC, 1.2, FKM, slot M/O, 12V AC 8W 60Hz without connector.

GEM-V-BODY - 10 1 3 2 V 2 2 2 0

(1) Supply pressure through base
 (2) For specifying Latch type coil, please refer to GEM-A3P valve - How to Order table.

How to Order | GEM-VL

GEM-VL	PORT	BODY	FUNCTION	ORIFICE	SEALS	MANUAL OVERRIDE	VOLTAGE	POWER	CONNECTOR									
1/8" BSP	10	Mazak	1	2W NC	1	0.8	1	NBR	N	None	0	W/out coil	0	No coil	0	without	0	
1/8" NPT	11	Brass	2	2W NO	2	1.2	2	FKM	V	Plastic	1	6	1	AC8W 50Hz	1	with	1	
				2W NO ⁽¹⁾ 2a	1.6	3	EPDM	E	Slot	2	2	12	2	AC8W 60Hz	2	with LED	2	
				3W NC	3	2.0	4		Knob	3	3	24	3	DC10W	3	with bi-color LED	3	
				3W NO	4	2.4	5		Push	4	4	48	4	AC5.5W 50Hz	4	flying leads coil	4	
				3W NO ⁽¹⁾ 4a	2.4	5			Push lock	5	5	110	5	AC5.5W 60Hz	5	with 1/2" Hub	5	
												6	120	6	AC2.5W 50/60Hz	6	connector with moulded cable	7
												7	220	7A	DC5.5W	7	other	9
												8	230	7	DC3.5W	8		
												8	240	8				
												9	Latch/ other ⁽²⁾	9				

Example : GEM-VL-1021V0-221
 GEM-SOL direct operated VL type valve, 1/8" BSP with brass body, 2WNC, 0.8, FKM, no M/O, 12V AC 8W 60Hz with connector.

GEM-VL - 10 2 1 1 V 0 2 2 1

(1) Supply pressure through base
 (2) For specifying Latch type coil, please refer to GEM-A3P valve - How to Order table.

*Note: Manifolds are not available for VL valves