SOLENOID VALVES General Purpose

Pilot Operated | 2W

GEM-S | 1/4" - 1" 2 Way NC, NO







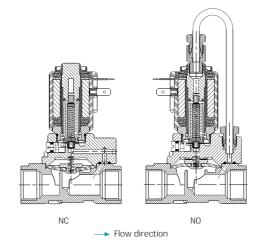
Brass | NC | knob manual override

Brass | NO | slot manual override Stainless Steel | 1/2"

Stainless Steel | 1"

(U)

* Available on selected models only



Technical Data

Function	2 Way NC, NO
Ports size	1/4", 3/8", 1/2", 3/4", 1" BSP & NPT
Pressure range	See table *Minimum pressure differential of 0.3 or 0.5 is required
Kv (l/min)	See table
Temperature range	Fluid : -10°C to 80°C (no freezing) Ambient : -10°C to 50°C
Materials in contact with media	Manual override: NC/NO - Brass screw NOa* - manual override is not available *pressure is supplied through the base Main Valve: Brass Stainless Steel AISI 316 Solenoid Operator: Stainless Steel AISI 300 & 400 series Seals: NBR, FKM, EPDM
Coil voltage	 Voltage and power consumption - see table All Baccara coil voltages are ± 10% of nominal
Standard / Certification	UL 429 Available on selected models only. Please contact our technical sales department for details.
Standard protection class	IP65 with connector * Option : IP68 (please refer to GEM-BP Coil)

Voltage & Power Consumption

	50 Hz			60 Hz		DC (VV)						
8	5.5	2.5	8	5.5	2.5	10	5.5	3.5				
						•						
•			•			•						
•			•			•						
•			•			•						
•			•			•						
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	• • • • • •	50 Hz 8 5.5 • - • - • - • - • - • - • - • - • - • - • - • - • - • - • -	50 Hz 8 5.5 2.5 9 9 9 • 9 9 • 9 9 • 9 9 • 9 9 • 9 9 • 9 9 • 9 9 • 9 9 • 9 9 • 9 9 • 9 9 • 9 9	8 5.5 2.5 8 • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • •	50 Hz 60 Hz 8 5.5 2.5 8 5.5 9 7 7 7 1 1 1 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1	50 Hz 60 Hz 8 5.5 2.5 8 5.5 2.5 9 7 7 7 7 1 7 7 7 7 1 7 7 7 7 1 7 7 7 7 1 7 7 7 7 1 7 7 7 7 1 7 7 7 7 1 7 7 7 7 1 7 7 7 7 1 7 7 7 7 1 7 7 7 7 7 1 7 7 7 7 7 7 1 7 7 7 7 7 7 7	50 Hz 60 Hz 8 5.5 2.5 8 5.5 2.5 10 9 7 7 7 7 7 10 1 7 7 7 7 7 10 1 7 7 7 7 7 10 1 7 7 7 7 7 7 1 7 7 7 7 7 7 1 7 7 7 7 7 7 7 1 7 7 7 7 7 7 7 1 7	50 Hz 60 Hz 00 UC (W) 8 5.5 2.5 8 5.5 2.5 10 5.5 9 1 1 1 1 5.5 10 5.5 1 1 1 1 1 1 1 1 1				

Available options

Pressure (bar) & Flow table NO/NC GEM-S-□-20....41

Size	Orifice	Pressu	Kv				
5120	(mm)	AC, DC	ADC	(l/min)			
1/4"	8			12			
3/8"	8	0.5 to 20	0.5 to 15	16			
1/2"	12			35			

Pressure (bar) & Flow table NO/NC GEM-S-□-□r

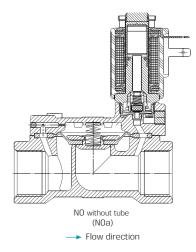
Size	Orifice	Pressu	Kv			
5120	(mm)	AC, DC	ADC	(l/min)		
1/2"	16	0.5 to 20	0.5 to 15	60		
3/4"	16	0.5 to 20	0.5 to 15	80		

Pressure (bar) & Flow table NO/NC GEM-S-□-50....60

Port Connection	Orifice (mm)	Pressure range (bar) AC, DC & ADC	Kv (l/min)
3/4"	20	0.3-15	130
1"	25	0.5-15	200

• Slow closing system to prevent water hammer effect

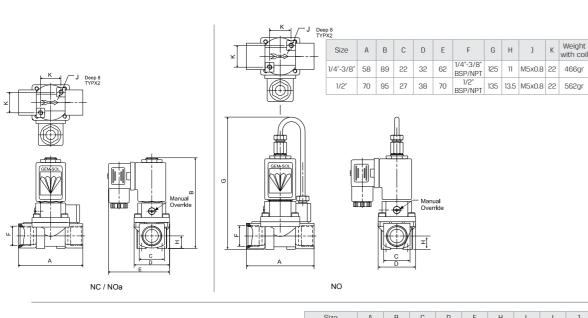
Pilot Operated | 2W | GEM-SOL | 1/4"- 1" NC, NO

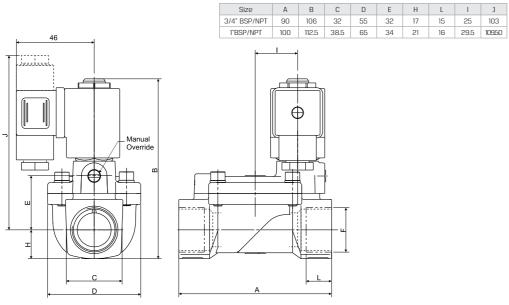


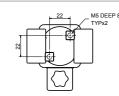
SOLENOID VALVES General Purpose

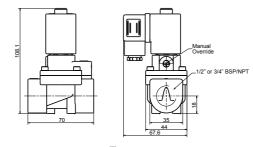
Pilot Operated | 2W | GEM-SOL

Dimensions









GEM -□r 16mm orifice NC / NOa

How to O	rder															
GEM-S	- BOD	BODY		PORT		FUNCTION		SEALS		 E _	VOLTAGE		POWER		CONNECTOR	
	Brass	2	1/4" BSP	20	2W NC	1	NBR	Ν	None	0	W/out coil	0	No coil	0	without	0
	Stainles: Steel	^S 3	1/4" NPT	21	2W NO ⁽¹⁾	2	FKM	V	Slot	2	6	1	AC8W 50Hz	1	with	1
			3/8" BSP	30	2W NO ⁽²⁾ w/out tube	2a	EPDM	E	Knob	3	12	2	AC8W 60Hz	2	with LED	2
			3/8" NPT	31							24	3	DC10W	3	with bi- color LED	3
				40							48	4			flying leads coil	4
			1/2" NPT	41							110	5			with 1/2" Hub	5
			3/4" BSP	50							120	6			surge protec- tion with LED	6
			3/4" NPT	51							220	7A			connector with moulded cable	7
			1" BSP	60							230	7			other	9
			1" NPT	61							240	8				
Example : GEM-S-2202V2-321 GEM-SOL pilot operated, brass, 1/4"BSP, 2W NO, FKM seals, slot manual override, 24V AC8W, 60Hz with connector										Latch/ other ⁽³⁾	9					

slot manual override, 24V AC8W 60Hz with connector.



(1) Option available in 1/4" - 1/2"

(2) Without manual override

(3) For specifying Latch type coil, please refer to GEM-A3P valve - How to Order table. * Note: When ordering without coil, please define what current and pressure rating is needed (DC, AC or ADC), otherwise an ADC valve will be supplied.

How to Order

GEM-S	-	BODY		PORT		FUNCTION		SEALS		MANUAL OVERRIDE		-	VOLTAGE		POWER		CONNECTOR	
		Brass	2	1/2" BSP	40r	2W NC	1	NBR	Ν	None	0		W/out coil	0	No coil	0	without	0
				1/2" NPT	41r	2W N0	2	FKM	V	Slot	2		6	1	AC8W 50Hz	1	with	1
				3/4" BSP	50r	2W NO ⁽¹⁾ w/out tube	2a	EPDM	Е	Knob	3		12	2	AC8W 60Hz	2	with LED	2
				3/4" NPT	51r								24	3	DC10W	3	with bi- color LED	3
													48	4			flying leads coil	4
													110	5			with 1/2" Hub	5
													120	6			surge protec- tion with LED	6
Example : GE GEM-SOL pilo slot manual	t c	perated, br	as	s, 1/2"BSP	, 2W	NC, FKM sea							220	7A			connector with moulded cable	7
slot manual override, 24V AC8W 60Hz with connector.										230	7			other	9			
GEM-S - 2		40r 1		V	2	- 3	2	1					240	8				
(1)) (())													Latch/ other ⁽²⁾	9				



(1) Without manual override

(2) For specifying Latch type coil, please refer to GEM-A3P valve - How to Order table. * Note: When ordering without coil, please define what current and pressure rating is needed (DC, AC or ADC), otherwise an ADC valve will be supplied.

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



Pilot Operated | 2W | GEM-SOL | 1/4"- 1" NC, NO