GEM-SOL® | GEM-O

Operator 2 Way, 3 Way NC, NO

Applicable for GEM-SOL® A32(GEM-A), S32(GEM-S) & Z32(GEM-Z) valves

Technical Data

Function	2 Way, 3 Way NC, NO
Orifice size	0.8 to 3mm
Pressure range (bars)	See solenoid valve performances
Temperature range	**Fluid :** -10ºC to 80ºC (no freezing) **Ambient :** -10ºC to 50ºC
Response time	16 to 36 ms complete cycle
Materials in contact with media	**Operator:** Stainless Steel AISI 300 & 400 series **Shading ring:** standard - Copper upon request - silver and aluminium Note : Operator for DC is without shading ring and may not be used for AC **Orifice:** Stainless Steel **Spring:** Stainless Steel AISI 300 series
Media	Air, gas, water, fuel, oil etc.
Threads on operator tube	G1/4" male and G1/8" or 1/8" NPT female to connect exhaust, muffler etc.
Operator assembly	By screwing M20x1 hexagonal 22mm to the valve body and fixing coil by one G1/4" hexagonal 19mm metal or plastic nut. • Max. tightening torque : 3 N/m
Coil fixing	Any position, can be turned 360º around the operator.
Coil data	See technical GEM-SOL® coil data
Coil voltage	• Voltage and power consumption - see table • All Baccara coil voltages are ±10% of nominal

• ADC operators and valves are suitable for use with AC 8W or DC 10W.

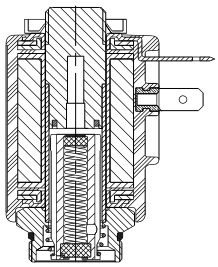
NO through base

Standard 2 Way/3 Way

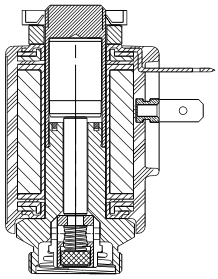
Voltage & Power Consumption

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

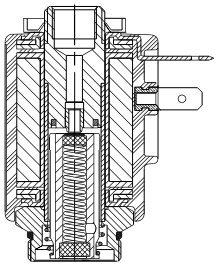
• Available options



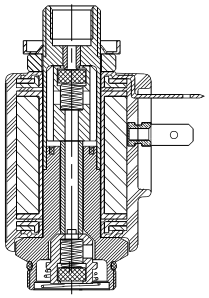
2 Way NC



2 Way NOa through base



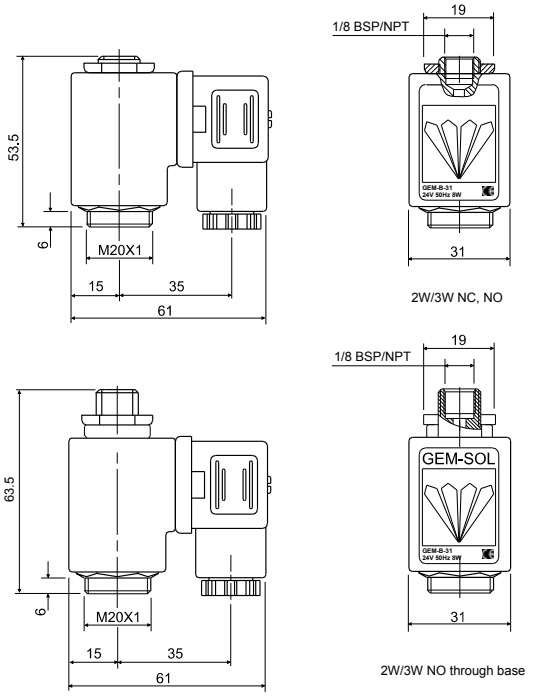
3 Way

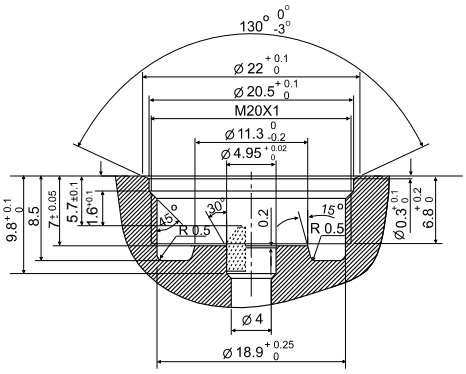


3 Way NOa through base

GEM-SOL®| GEM-O | Operator 2 Way, 3 Way NC, NO

Dimensions





Operator seat

How to Order

2 Way

GEM-O	-	2W	FUNCTION		SEALS		-	VOLTAGE		POWER		CONNECTOR	
			2W NC	1	NBR	N		without coil	0	No coil	0	with	1
			2W NO [1]	2a	FKM	V		6 [4]	1	AC8W 50Hz	1	with LED	2
					EPDM	E		12	2	AC8W 60Hz	2	**flying leads coil ***	**4**
					PTFE [3]	T		24	3	DC10W	3	with 1/2" Hub	5
					FFKM [2]	K		48	4	AC5.5W 50Hz	4	**surge protection with LED ***	**6**
								110	5	AC5.5W 60Hz	5	connector with moulded cable	7
								120	6	AC2.5W 50/60Hz	6	other	9
								220	7A	DC5.5W	7		
								230	7	DC3.5W	8		
								240	8				
								Latch/other * [5]	**9**				

3 Way

GEM-O	-	PORT		FUNCTION		ORIFICE	
		1/8"BSP	10	2W NO	2	0.8	1
		1/8"NPT	11	3W NC	3	1.2	2
				3W NO	4	1.6	3
				3W NO [1]	4a	2.0	4
						2.4	5
						3.0	6

*** SPECIAL OPTIONS |** Extended lead times, Non-stock items, MOQ may be applicable

Example : **GEM-O-2W1-N-341**

GEM-SOL® GEM-O Operator **2W NC**, NBR, 24V AC 5.5W 50Hz with connector

Example : **GEM-O-1034-V-341**

GEM-SOL® GEM-O Operator, 1/8"BSP, **3W NC**, Orifice 2.0, FKM, 24V AC 5.5W 50Hz with connector

(1) Supply pressure through base
(2) FFKM O-ring is available only upon request
When ordering FFKM seals, please consult with our technical sales department about O-ring compound
(3) For PTFE seals, the O-ring is FKM seal as default. Please contact us if you require a different O-ring material
(4) DC only
(5) For specifying Latch type coil, please refer to A3P32 (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 operators manufactured according to your specific requirements, please contact our technical sales department.