

# COILS & OPERATORS

## Operators

### GEM-SOL® | GEM-OG

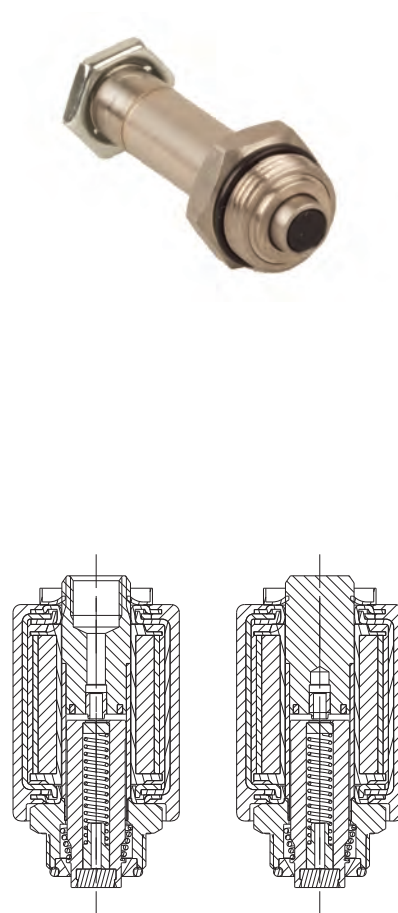
#### Operator 3/4" UNEF 2 Way, 3 Way NC, NO

Applicable for GEM-SOL® S32 (GEM-S-4) valves

#### Technical Data

Function	2 Way, 3 Way NC, NO and Latch
Orifice size	0.8 to 3mm
Pressure range (bars)	See solenoid valve performances
Temperature range	<b>Fluid</b> : -10°C to 80°C (no freezing) <b>Ambient</b> : -10°C to 50°C
Response time	16 to 36 ms complete cycle
Materials in contact with media	<b>Operator:</b> Stainless Steel. AISI 300 & 400 series <b>Shading ring:</b> standard - Copper upon request - silver and aluminium <b>Note :</b> Operator for DC is without shading ring and may not be used for AC <b>Orifice:</b> Stainless Steel <b>Spring:</b> Stainless Steel AISI 300 series
Latch	• Optional
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 3/4"-20 UNEF-28 hexagonal 22mm to the valve body and fixing the coil by one G1/4" hexagonal 19mm metal or plastic nut. • <b>Max. tightening torque : 3 N/m</b>
Coil fixing	Any position, can be turned 360° 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.



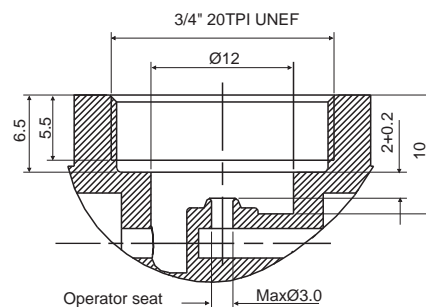
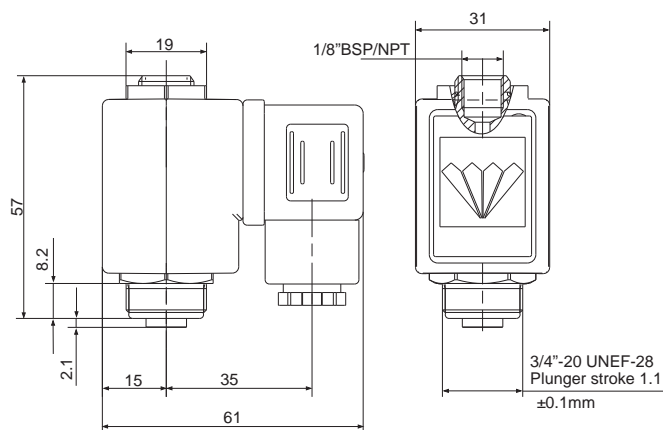
#### Voltage & Power Consumption

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

## GEM-SOL® | GEM-OG | Operator 3/4" UNEF 2 Way, 3 Way NC, NO

### Dimensions



Operator seat

### How to Order

#### 2 Way

GEM-OG	-	2W	FUNCTION	SEALS	-	VOLTAGE	POWER	CONNECTOR
			2W NC 1	NBR N		W/out coil 0	No coil 0	with 1
			2W NO <sup>(1)</sup> 2a	FKM V		6 <sup>(2)</sup> 1	AC8W 50Hz 1	with LED 2
				EPDM E		12 2	AC8W 60Hz 2	<b>flying leads coil *</b> 4

#### 3 Way

GEM-OG	-	PORT	FUNCTION	ORIFICE	VOLTAGE	POWER	CONNECTOR
		1/8" BSP 10	2W NO 2	0.8 1	24 3	DC10W 3	with 1/2" Hub 5
		1/8" NPT 11	3W NC 3	1.2 2	48 4	AC5.5W 50Hz 4	<b>surge protection with LED *</b> 6
			3W NO 4	1.6 3	110 5	AC5.5W 60Hz 5	connector with moulded cable 7
				2.0 4	120 6	AC2.5W 50/60Hz 6	other 9
				2.4 5	220 7A	DC5.5W 7	
				3.0 6	230 7	DC3.5W 8	
					240 8		
					<b>Latch/other * <sup>(3)</sup></b> 9		

#### Example : GEM-OG-2W1-N-341

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

#### Example : GEM-OG-1034-V-341

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

(1) Supply pressure through base

(2) DC only

(3) 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.