

# SOLENOID VALVES | General Purpose

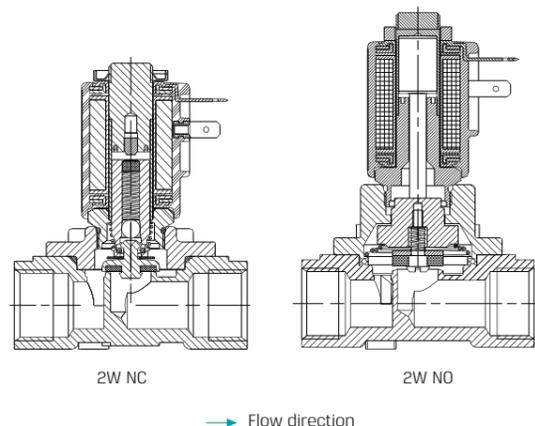
## Direct Operated | 2W

### GEM-L | Low pressure flows (LPF) 1/4" - 1/2" 2 Way NC, NO



Brass

Stainless Steel



→ Flow direction

#### Technical Data

Function	2 Way NC, NO
Ports size	1/4", 3/8", 1/2" BSP & NPT
Pressure range	See table
Kv (l/min)	See table
Temperature range	<b>Fluid</b> : -10°C to 80°C (no freezing) <b>Ambient</b> : -10°C to 50°C
Materials in contact with media	<b>Main Valve:</b> Brass Stainless Steel AISI 316 <b>Solenoid Operator:</b> Stainless Steel AISI 300 & 400 series <b>Seals:</b> NBR, FKM, EPDM
Media	Designed for use in LP gas systems. Also in air, water and vacuum systems : (high flow at low pressure)
Coil voltage	• Voltage and power consumption - see table • All Baccara coil voltages are ± 10% of nominal
Standard protection class	IP65 with connector * Option : IP68 (please refer to GEM-BP Coil)

• Latch valves are available upon request.

#### Pressure (bar) & Flow table NC, NO

Size	Orifice (mm)	Pressure (bar)			Kv (l/min)
		AC	DC	NO	
1/4"	8	1.5	0.7	0.5	12
3/8"	8	1.5	0.7	0.5	16
1/2"	12	0.8	0.4	0.3	35

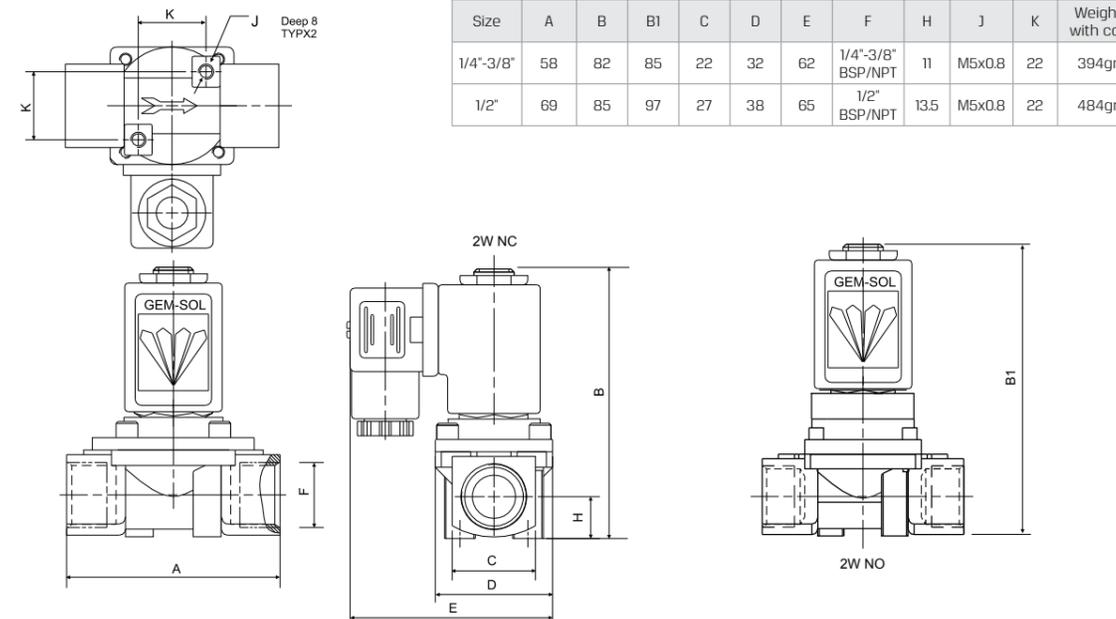
#### Voltage & Power Consumption

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

• Available options

## Direct Operated | 2W | GEM-SOL | Low pressure flows 1/4" - 1/2" NC, NO

#### Dimensions



Size	A	B	B1	C	D	E	F	H	J	K	Weight with coil
1/4"-3/8"	58	82	85	22	32	62	1/4"-3/8" BSP/NPT	11	M5x0.8	22	394gr
1/2"	69	85	97	27	38	65	1/2" BSP/NPT	13.5	M5x0.8	22	484gr

#### How to Order

GEM-L	BODY	PORT	FUNCTION	SEALS	VOLTAGE	POWER	CONNECTOR						
Brass	2	1/4" BSP	20	2W NC	1	NBR	N	W/out coil	0	No coil	0	without	0
Stainless Steel	3	1/4" NPT	21	2W NO	2	FKM	V	6	1	AC8W 50Hz	1	with	1
		3/8" BSP	30			EPDM	E	12	2	AC8W 60Hz	2	with LED	2
		3/8" NPT	31					24	3	DC10W	3	with bi-color LED	3
		1/2" BSP	40					48	4			flying leads coil	4
		1/2" NPT	41					110	5			with 1/2" Hub surge protection with LED	5
								120	6			connector with LED	6
								220	7A			connector with moulded cable	7
								230	7			other	9
								240	8				
								Latch/other (1)	9				

Example : GEM-L-220IN-321  
GEM-SOL LPF brass, 1/4"BSP, 2W NC, NBR seals, 24V AC 8W 60Hz with connector.

GEM-L - 2 20 1 N - 3 2 1

(1) 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.