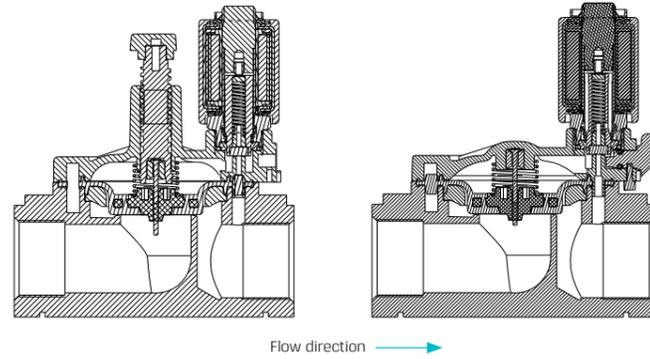


# ELECTRIC/HYDRAULIC VALVES | GEM & G75

## GEM-S | Pilot operated 3/4" - 2" 2 Way NC, NO



### Technical Data

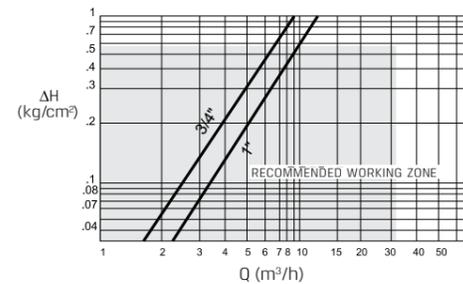
Function	2 Way NC, NO
Ports size	3/4", 1", 1-1/2", 2" BSPT & NPT
Connection	Female BSPT or NPT thread
Pressure range	0.3 to 10 bar
Temperature range	<b>Fluid</b> : 5°C to 50°C (no freezing) <b>Ambient</b> : -10°C to 50°C
Solenoid	GEM-SOL 3/4" UNEF, 2 Way NC or NO solenoids. All voltages
Materials in contact with media	<b>Manual override:</b> Reinforced Nylon
	<b>Body &amp; cover:</b> Reinforced Nylon
	<b>Spring:</b> Stainless Steel AISI 302
	<b>Diaphragm:</b> NR
	<b>Seals:</b> NBR
Coil voltage	<b>Screws:</b> Stainless Steel AISI 304
	<b>Solenoid:</b> Stainless Steel AISI 300 & 400 series
	• 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)

• Progressive opening and shut off that prevents water hammer

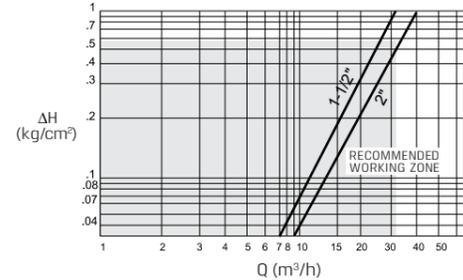
### Flow & Orifice table

Size	Orifice (mm)	Kv (l/min)
3/4"	27	140
1"	27	200
1-1/2"	55	520
2"	55	600

### Head loss for fully open valve



### Head loss for fully open valve



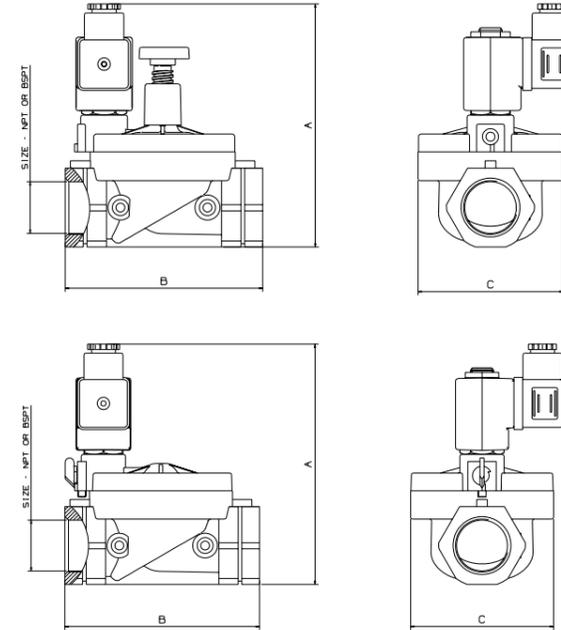
### Voltage & Power Consumption

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

## GEM-S | Pilot operated 3/4" - 2" 2 Way NC, NO

### Dimensions



with flow control

Size	A	B	C
3/4"	108	110	81
1"	135.5	110	81
1-1/2"	180	160	126
2"	190	170	126

without flow control

Size	A	B	C
3/4"	128.5	110	81
1"	135.5	110	81
1-1/2"	168	160	126
2"	179.5	170	126

### How to Order

GEM-S	BODY	PORT	FUNCTION	SEALS	MANUAL OVERRIDE	FLOW CONTROL	* When ordering without coil, please define what current and pressure rating is needed (DC, AC)										
							VOLTAGE	POWER	CONNECTOR								
Plastic	4	3/4" BSPT	50	2W NC	1	NR	N	None	0	with	1	W/out coil	0	No coil	0	without	0
			51	2WNO	2a		Plastic	1	without <sup>(1)</sup>	2	6	1	ACBW 50Hz	1	with	1	
				1" BSPT	60						12	2	ACBW 60Hz	2	with LED	2	
				1" NPT	61						24	3	DC10W	3	with bi-color LED	3	
				1-1/2"BSPT	70						48	4	AC5.5W 50Hz	4	flying leads coil	4	
				1-1/2"NPT	71						110	5	AC5.5W 60Hz	5	with 1/2" Hub	5	
				2" BSPT	80						120	6			surge protection with LED connector with moulded cable	6	
				2" NPT	81						220	7A			connector with moulded cable	7	
											230	7			other	9	
											240	8					
									Latch/other <sup>(2)</sup>	9							

Example : GEM-S-4501N11-331  
GEM-SOL pilot operated, nylon body, 3/4" BSPT, 2W NC, NR, plastic manual override, with flow control, 24V DC 10W with connector

GEM-S - 4 50 1 N 1 1 - 3 3 1

(1) 3/4", 1" valves only  
(2) For specifying Latch type coil, please refer to GEM-A3P valve - How to Order table

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