

SOLENOID VALVES

GEM-FLOW™ | G75-A

1/8", 1/4" 2 Way, 3 Way NC, NO

Technical Data

Function	2 Way, 3 Way NC, NO
Ports size	1/8" and 1/4" BSP & NPT
Orifice size	See table
Pressure range	See table
Temperature range	Fluid: 5°C to 50°C (no freezing) Ambient: -10°C to 50°C
Materials in contact with media	Manual override: Plastic (Reinforced Nylon) Main Valve: Brass or Plastic (Reinforced Nylon) Solenoid Operator: Stainless Steel AISI 300 & 400 series Seals: EPDM
Coil voltage	• Voltage and power consumption - see table
Standard protection class	IP66

* Available with a manifold bracket upon request.
Please contact our technical sales department

G75-A
Brass

G75-A | 2 Way
Plastic

G75-A | 3 Way
Plastic

Latch Coil Resistance vs Input Voltage

Recommendations chart

Resistance [Ω]	Input voltage range [V]
4	6 - 9
9	12 - 14
12	14 - 16
23	18 - 21

Max. Pressure (bar)

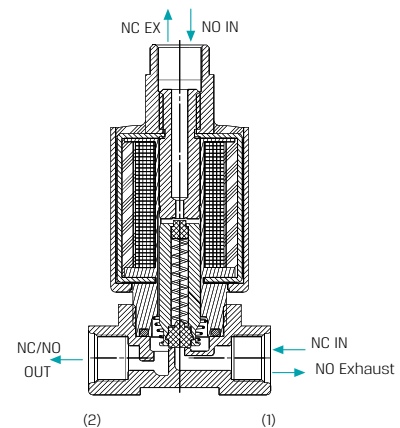
Function	Orifice (mm)	AC	DC	DC Latch
2 Way NC	up to 2.0	12	12	12
3 Way NC	1	16	12	16
	1.2	11	9	11
	1.6	6	5	6
3 Way NO	1.0	16	16	16
	1.2	12	12	12
	1.6	10	10	10

Voltage & Current

AC & DC

Solenoid	Voltage	Inrush [A]	Holding [A]
2 Way 50 Hz	V _{+10%} n-20%	0.3	0.19
2 Way 60 Hz		0.2	0.14
3 Way 50/60 Hz *		0.125	0.125
3 Way NC 50Hz		0.6	0.36
3 Way NO 50Hz		0.53	0.36
DC		4.5W	

* Except 24V AC without Diode



Voltage & Power Consumption

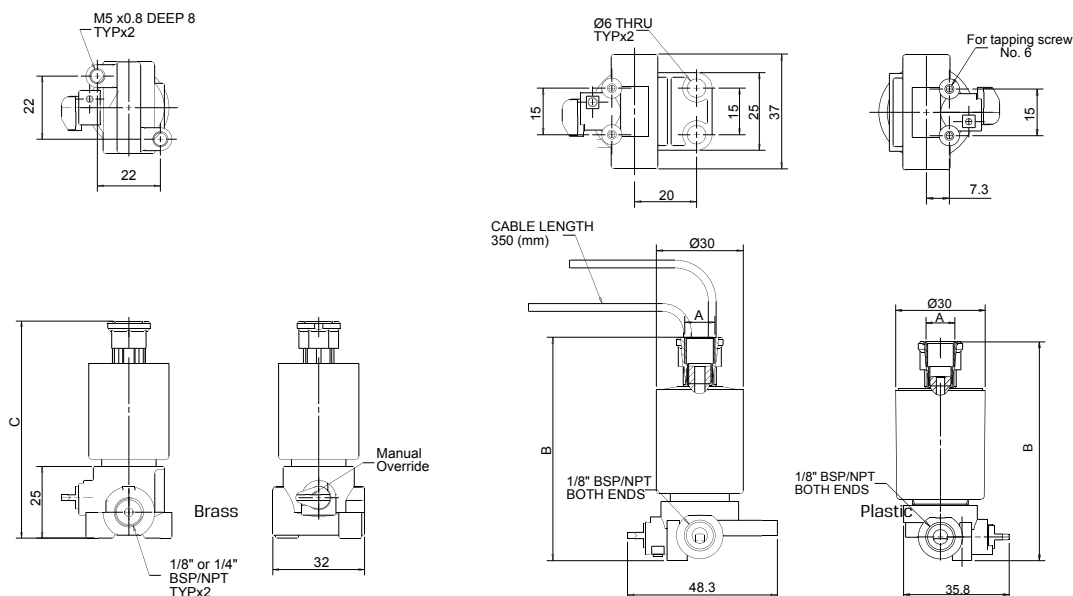
	AC (W)	DC (W)
V	2	4.5
12	•	•
24	•	•
110	• 2 Way only	

Available options

- Standard
- Special

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Dimensions



	A	B	C
2 Way NC	-	59	65
3Way	1/8	70	77

How to Order

G75-A	-	TYPE	PORT	FUNCTION	MANUAL OVERRIDE	ORIFICE	-	VOLTAGE ⁽³⁾	WIRES								
		with flange	1	1/8" BSP	10	2W NC	1	None	0	1.0 ⁽¹⁾	1	24V AC	1	two	null		
		Brass	3	1/8" NPT	11	3W NC	3	Plastic ⁽²⁾	1	1.2	2	24V AC w/out Diode ⁽⁴⁾	1R	three ⁽⁵⁾	a		
				1/4" BSP ⁽¹⁾	20	3W NO	4			1.6	3	12V AC	3				
				1/4" NPT ⁽¹⁾	21					2.0 ⁽¹⁾	4	12V DC	4				
												24V DC	5				
												23Ω	6				
												110V AC ⁽⁶⁾	7				
												4Ω	B				
												9Ω	C				
												12Ω	D				

Example: **G75-A-110302-1**

GEM-FLOW™ G75-A with flange, 1/8" BSP, 3W NC, no manual override,
12 orifice, 24V AC coil, two wires

Example: **G75-A-110302-1**

GEM-FLOW™ G75-A with flange, 1/8" BSP, 3W NC, no manual override, 1.2 orifice, 24V AC coil, two wires

(1) Brass only

(2) Recommended for AC and continuous DC only

(3) For Latch: Refer to Latch Coil Resistance vs Input Voltage | Recommendations chart

(4) 3W NO 1.6 mm: Max pressure is 8 bars

(5) For Latch only

(6) 110V AC Available in 2W.

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