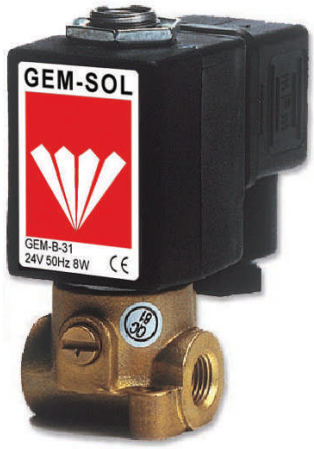
BACCARA

GEM-SOL Direct Operated 1/8", 1/4" 3/2Way NC, NO

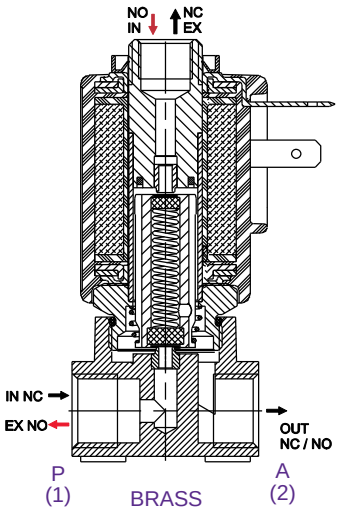
General Description

GEM-SOL 3/2 way NC or NO solenoid valves are recommended for heavy duty applications where high performance is required.
They can be used for industrial and irrigation control and automation systems.
These valves are suitable to work with air, water and oil; please consult with us if you need the valves to work with other fluids.



Notes

- Valves are inspected at general pressures of 12 bar or less (see table). Valves for higher pressures are available.
- ADC valves are suitable to work only with AC 8W or DC 10W coils.
- Latch valves are available upon request.
- To order valves manufactured to your specific requirements, please contact our technical sales department.



How to Order

Example : GEM-A-21035N2-311

Is a GEM-SOL direct operated Brass, 1/8"BSP, 3W NC, 2.4 orifice, NBR, brass slot manual override, 24V AC 8W 50 Hz with connector.

GEM-A –	Body	Port	Function	Orifice	Seals	Manual Override	– Voltage	Power	Connector
	Mazak 1	1/8"BSP 10	3W NC 3	0.8 1	NBR N	None 0	W/out coil 0	No coil 0	without 0
	Brass 2	1/4"BSP 20	3W NO 4	1.2 2	VITON V	Plastic 1	6 1	AC8W 50Hz 1	with 1
	St.st 3	1/8"NPT 11	3W NO through base 4a	1.6 3	EPDM E	Slot 2	12 2	AC8W 60Hz 2	with LED 2
		1/4"NPT 21		2.0 4	Kalrez K	Knob 3	24 3	DC10W 3	with bi color LED 3
				2.4 5			48 4	AC5.5W 50Hz 4	flying leads coil 4
				3.0 6			110 5	AC5.5W 60Hz 5	with 1/2" Hub 5
							120 6	AC 2.5W 6	
							230 7	DC 5.5W 7	
							240 8	DC 3.5W 8	
							other 9		

Technical Specifications

Function:	3/2 way NC & NO
Ports size:	1/8" and 1/4" BSP & NPT
Orifice:	See table
Kv:	See table
Pressure range:	See table
Temperature range:	Fluid: max 80°C
	Ambient: -10°C to 50°C
Manual Override:	Plastic, brass screw or
	brass finger knob
	St.st for St.st valves
Materials :	**Main valve :**
	Mazak, Brass
	or Stainless steel 303
	Solenoid Operator:
	Stainless steel 300 & 400 series
	Seals:
	NBR, Viton, EPDM or Kalrez
Weight (with coil):	248 gr for Mazak valve
Media:	Air, water, oil
Coil voltage:	All Baccara coils voltages ±10%
	AC 8W, 5.5W and 2.5W &
	DC 10W, 5.5 and 3.5W
	Protection class IP65 with connector

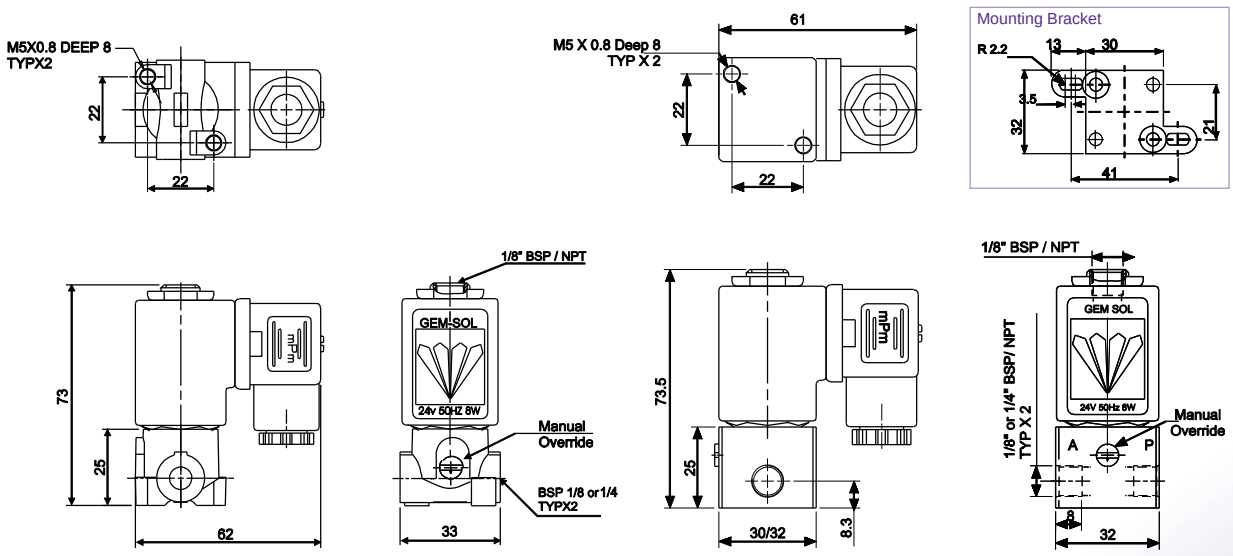
Max.Pressure (bar) 3W NC Table

Coil Current/Power	Orifice 0.8	1.2	1.6	2.0	2.4	3.0
ADC	23	20	15	10	8	5.5
AC/8W DC/10W	35	30	17	14	10	6
AC/5.5W	23	20	15	10	8	5.5
AC/2.5W DC/5.5W DC/3.5W	20	16	10	9	5	4
Flow factor Kv(Lmin)	0.6	1.1	1.7	2.5	3.5	4.5

Max.Pressure (bar) 3W NO Table

Coil Current/Power	Orifice 0.8	1.2	1.6	2.0	2.4	3.0
ADC	25	20	15	11	8	6
AC/8W DC/10W	30	22	17	12	10	7
AC/5.5W DC/5.5W	25	20	15	11	8	6
AC/2.5W DC/3.5W	20	18	12	8	6	4
Flow factor Kv(Lmin)	0.6	1	1.4	2.2	3.0	3.5

Dimensions



BRASS

MAZAK/St.St.

NOTE: **Stainless steel valves are made of ☐32.**