

GENERAL FEATURES

- **New design**
- **Full orifice vacuum solenoid valves**
- **TORK series S3030(N.C)** diaphragm vacuum solenoid valves are 2/2 way normally closed and pilot operated
- **Suitable for gaseous fluids (air, inert gases etc...)**
- **Suitable for vacuum applications**
- Working Temperature: -10°C / +80°C
- High reliability, quality and performance; long life, corrosion resistance
- **On request; flanged types**
- TORK solenoid valves satisfy relevant 97/23/EC, Pressure Equipment Directive (PED) and 2006/95/EEC Low Voltage Directive (LVD).
- Coils interchangeable
- Flow factor Kv of each valve is indicated, so that the flow Q can be calculated as a function of pressure
- Solenoid valves must be used with filtered fluids.
- Solenoid valve can be mounted in any position without affecting operation; vertical with coil upwards preferred.
- Standard pipe connection is G (BSP) (ISO 228-1) and on request; other pipe connections are available (NPT (ANSI 1.20.3))

ELECTRICAL CHARACTERISTICS

Continuous Duty	: ED %100
Coil Insulation Class	: H (180°C)
Coil Impregnation	: Polyester Fiber Glass
Coil Encapsulation Material	: Fiber Glass Reinforced
Ambient Temperature	: from -10°C; +60°C
Protection Degree	: IP 65 (EN 60529) with coil duly fitted with the plug connector
Electric Plug Connection	: DIN 46340 3-poles connectors (DIN 43650)
Connector Specification	: ISO 4400 / EN 175301-803, Form A, Spade plug (Cable Ø6-8 mm)
Electrical Safety	: IEC 335
Standard Voltages	: For AC 12V, 24V, 48V, 110V, 230V For DC 12V, 24V, 48V, 110 V

Other voltages on request;
Voltage Tolerances : For AC -15%; +10%, For DC -5%; +10%
Frequency : 50 Hz, other frequencies on request; (60 Hz)
On request; connector with LED
Specify coil voltage with order

MATERIALS IN CONTACT WITH FLUID

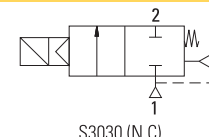
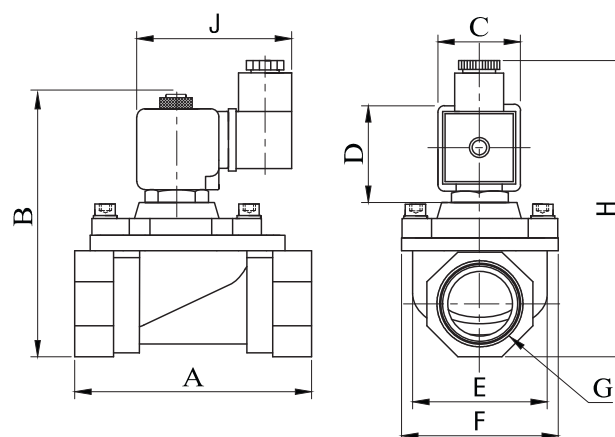
Body	: Brass
Internal Parts	: Stainless Steel and brass
Sealing	: NBR
Shading Ring	: Copper
Seats	: Brass
Core Tube	: Stainless Steel
Springs	: Stainless Steel
On request; nickel plated body	
On request; sealing can be FPM (VITON)	

TECHNICAL FEATURES

Max Viscosity : 5°E (~37cSt or mm²/s)
Response Time : Opening Time: 400 ms to ~ 1600 ms,
Closing Time: 1000 ms to ~ 2000 ms
Maximum Allowable Pressure: 25 bar
Fluid Temperature for FPM (VITON) from -10°C; +160°C,

Normally Closed

NEW



Dimensions (mm)

	G	A	B	C	D	E	F	J	H
3/8"	69	101	32	45	38	52	76	112	
1/2"	75	104	32	45	40	52	76	115	
3/4"	81.3	112	32	45	42.1	51.9	76	121	
1"	87.9	119	32	45	51.5	60.9	76	127.5	

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure min / max		KV	Fluid Temperature		Seal	Weight
T-VL	S3030	G	mm	bar	bar	lt/min	min °C	max		(kg)
T-VL 302	S3030.02	3/8"	12.5	-1	3	55	-10	80	NBR	0.5
T-VL 303	S3030.03	1/2"	12.5	-1	3	75	-10	80	NBR	0.52
T-VL 304	S3030.04	3/4"	20	-1	3	130	-10	80	NBR	0.61
T-VL 305	S3030.05	1"	25	-1	3	190	-10	80	NBR	0.75

Useful Informations

1 bar: 14.5 PSI; 10 mH₂O; 10 N/cm²; 1 kg/cm²; 100000 Pa, 1 PSI: 69 mbar, 1 m³/h: 4.405 GPM; 16.7 L/d 1 Gallon / minute: 0.227 m³/h, 0°C: 89.6 F
Sealings: NBR: Nitrile-Butylene Elastomer, FPM (VITON): Fluoro-Carbon Elastomer