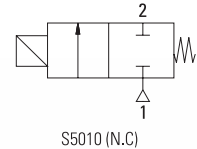


**GENERAL FEATURES**

- **TORK series S5010 direct acting compressor solenoid valves are 2/2 way normally closed and have small body size.**
- **Suitable for non-aggressive liquids (water, light oil (2E) etc...), gaseous fluids (air, inert gases etc...)**
- Working Temperature:-10°C / +160°C
- Not suitable for use with dangerous fluids listed in Group 1
- **Don't require any differential pressure**
- Compact and low weight valve enabling easy and quick installation
- High reliability, quality and performance; long life, corrosion resistance
- Wide pressure ratings, range of flow rate and orifice options
- On request; solenoid valve can have 1 mounting hole at the bottom of the body.
- Ideal for the automatic control of media in a wide range of applications.
- TORK solenoid valves satisfy relevant 97/23/EC, Pressure Equipment Directive (PED) and 2006/95/EEC Low Voltage Directive (LVD).
- Some applications; compressor tank
- 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))

**Normally Closed**



**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 Ø 6-8 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



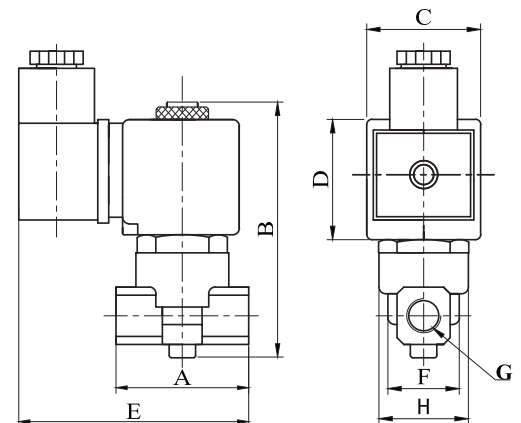
**MATERIALS IN CONTACT WITH FLUID**

- Body : Brass
- Internal Parts : Stainless Steel
- Sealing : FPM (VITON)
- Shading Ring : Copper
- Seats : Brass
- Core Tube : Stainless Steel
- Springs : Stainless Steel
- On request; nickel plated body



**TECHNICAL FEATURES**

- Max Viscosity : 5°E (~37cSt or mm²/s)
- Response Time : Opening Time:30 ms, Closing Time:30 ms
- Maximum Allowable Pressure:30 bar



Dimensions (mm)

	G	A	B	C	D	E	F	H
3/8"	40	90	32	39	78	22.3	25.6	
1/2"	40	90	32	39	78	22.3	25.6	

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure		KV	Fluid Temperature		Seal	Weight
				min	max		min	max		
T-GK	S5010	G	mm	bar	bar	lt/min	°C			(kg)
T-GK 100	S5010.00.018	1/8"	1.8	0	16	1.6	-10	160	VITON	0.29
T-GK 101	S5010.01.018	1/4"	1.8	0	16	1.6	-10	160	VITON	0.28

**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:FPM (VITON):Fluoro-Carbon Elastomer

B

**GENERAL FEATURES**

- **Small body**
- **High working pressure for connections 1/8" and 1/4"**
- **Suitable for non-aggressive liquids (water, light oil (2E) etc...), gaseous fluids (air, inert gases etc...)**
- Working Temperature: -10°C / +160°C
- Not suitable for use with dangerous fluids listed in Group 1
- **Don't require any differential pressure**
- Compact and low weight valve enabling easy and quick installation
- High reliability, quality and performance; long life, corrosion resistance
- Wide pressure ratings, range of flow rate and orifice options
- On request; solenoid valve can have 1 mounting hole at the bottom of the body.
- Ideal for the automatic control of media in a wide range of applications.
- TORK solenoid valves satisfy relevant 97/23/EC, Pressure Equipment Directive (PED) and 2006/95/EEC Low Voltage Directive (LVD).
- Some applications; compressor tank
- 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

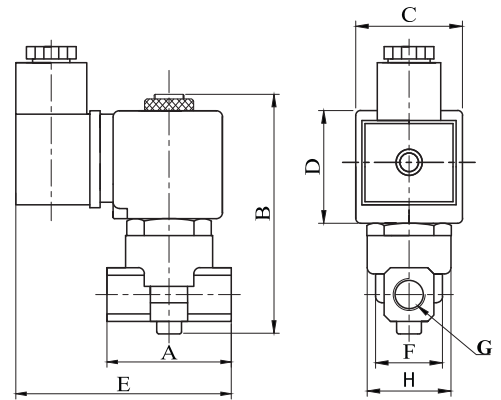
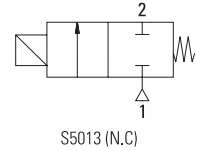
**MATERIALS IN CONTACT WITH FLUID**

- Body : Brass
- Internal Parts : Stainless Steel
- Sealing : FPM (VITON)
- Shading Ring : Copper
- Seats : Brass
- Core Tube : Stainless Steel
- Springs : Stainless Steel
- On request; nickel plated body



**Normally Closed**

High Pressure



Dimensions (mm)

	G	A	B	C	D	E	F	H
1/8"	40	90	32	39	78	22.3	25.6	
1/4"	40	90	32	39	78	22.3	25.6	

**TECHNICAL FEATURES**

- Max Viscosity : 5°E (~37cSt or mm<sup>2</sup>/s)
- Response Time : Opening Time:30 ms, Closing Time:30 ms
- Maximum Allowable Pressure:100 bar

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure		KV	Fluid Temperature		Seal	Weight
				min	max		min	max		
<b>T-GK.H</b>	<b>S5013</b>	<b>G</b>	<b>mm</b>	<b>bar</b>	<b>bar</b>	<b>lt/min</b>	<b>°C</b>			<b>(kg)</b>
T-GK.H 100.1	S5013.00.010	1/8"	1	0	100	0.6	-10	160	VITON	0.37
T-GK.H 100.1,8	S5013.00.018	1/8"	1.8	0	50	1.6	-10	160	VITON	0.37
T-GK.H 100.2,5	S5013.00.025	1/8"	2.5	0	20	3.2	-10	160	VITON	0.37
T-GK.H 101.1	S5013.01.010	1/4"	1	0	100	0.6	-10	160	VITON	0.36
T-GH 101.1,8	S5013.01.018	1/4"	1.8	0	50	1.6	-10	160	VITON	0.36
T-GK.H 101.2,5	S5013.01.025	1/4"	2.5	0	20	3.2	-10	160	VITON	0.36

**Useful Informations**

1 bar:14,5 PSI:10 mH<sub>2</sub>O:10 N/cm<sup>2</sup>:1 kg/cm<sup>2</sup>: 1 kg/cm<sup>2</sup>:100000 Pa, 1 PSI:69 mbar, 1 m<sup>3</sup>/h:4,405 GPM:16,7 L/d 1 Gallon / minute:0,227 m<sup>3</sup>/h, 0°C:89,6 F  
Sealings:FPM (VITON):Fluoro-Carbon Elastomer

**GENERAL FEATURES**

- **TORK series S5078 direct acting plate mounting compressor solenoid valves are 2/2 way normally closed and have small body size.**
- **Without manual override, for small body (1/8" and 1/4"), square type body and easy installation**
- **Suitable for non-aggressive liquids (water, light oil (2E) etc...), gaseous fluids (air, inert gases etc...)**
- **On request manual override**
- Working Temperature: -10°C / +160°C
- Not suitable for use with dangerous fluids listed in Group 1
- **Don't require any differential pressure**
- Compact and low weight valve enabling and quick installation
- High reliability, quality and performance; long life, corrosion resistance
- Wide pressure ratings, range of flow rate and orifice options
- **On request; solenoid valve can have 4 mounting holes at the bottom of the body.**
- Ideal for the automatic control of media in a wide range of applications.
- TORK solenoid valves satisfy relevant 97/23/EC, Pressure Equipment Directive (PED) and 2006/95/EEC Low Voltage Directive (LVD).
- Some applications; compressor tank
- 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 Ø 6-8 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**

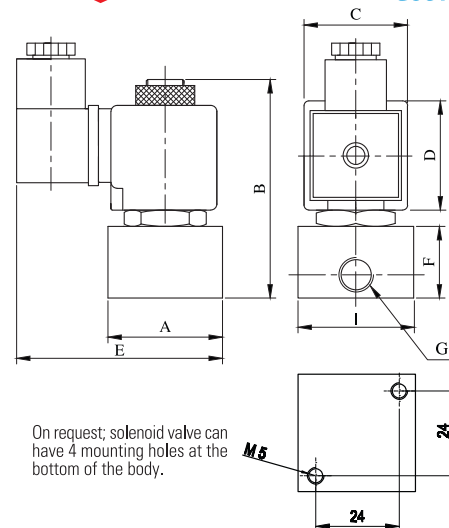
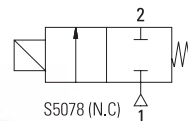
- Body : Brass
- Internal Parts : Stainless Steel
- Sealing : FPM (VITON)
- Shading Ring : Copper
- Seats : Brass
- Core Tube : Stainless Steel
- Springs : Stainless Steel
- On request; nickel plated body
- On request; sealing can be NBR

**TECHNICAL FEATURES**

- Max Viscosity : 5°E (-37cSt or mm<sup>2</sup>/s)
- Response Time : Opening Time :30 ms, Closing Time: 30 ms
- Maximum Allowable Pressure:30 bar and 100 bar (for S5078.00.010 and S5078.01.010)
- Fluid Temperature for NBR from -10° / +80°

**Normally Closed**

Plate Mounting



On request; solenoid valve can have 4 mounting holes at the bottom of the body.

**Dimensions (mm)**

	G	A	B	C	D	E	F	I
1/8"	35	78,5	32	39	68	26,5	35	
1/4"	35	78,5	32	39	68	26,5	35	

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure		KV	Fluid Temperature		Seal	Weight
				min	max		min	max		
<b>T-GKP</b>	<b>S5078</b>	<b>G</b>	<b>mm</b>	<b>bar</b>	<b>bar</b>	<b>lt/min</b>	<b>°C</b>			<b>(kg)</b>
T-GKP 100	S5078.00.030	1/8"	3	0	10	4,6	-10	160	VITON	0,5
T-GKP 100.1	S5078.00.010	1/8"	1	0	100	0,6	-10	160	VITON	0,5
T-GKP 100.1,8	S5078.00.018	1/8"	1,8	0	16	1,6	-10	160	VITON	0,5
T-GKP 100.2,5	S5078.00.025	1/8"	2,5	0	12	3,2	-10	160	VITON	0,5
T-GKP 100.4	S5078.00.040	1/8"	4	0	9	6,4	-10	160	VITON	0,5
T-GKP 100.5	S5078.00.050	1/8"	5	0	7	9,2	-10	160	VITON	0,5
T-GKP 101	S5078.01.030	1/4"	3	0	10	4,6	-10	160	VITON	0,49
T-GKP 101.1	S5078.01.010	1/4"	1	0	100	0,6	-10	160	VITON	0,49
T-GKP 101.1,8	S5078.01.018	1/4"	1,8	0	16	1,6	-10	160	VITON	0,49
T-GKP 101.2,5	S5078.01.025	1/4"	2,5	0	12	3,2	-10	160	VITON	0,49
T-GKP 101.4	S5078.01.040	1/4"	4	0	9	6,4	-10	160	VITON	0,49
T-GKP 101.5	S5078.01.050	1/4"	5	0	7	9,2	-10	160	VITON	0,49
T-GKP 101.6	S5078.01.060	1/4"	6	0	5	11	-10	160	VITON	0,49
T-GKP 101.7	S5078.01.070	1/4"	7	0	4	12,4	-10	160	VITON	0,49

**Useful Informations**

1 bar:14,5 PSI:10 mH2O:10 N/cm<sup>2</sup>:1 kg/cm<sup>2</sup>: 100000 Pa, 1 PSI:69 mbar,1 m<sup>3</sup>/h:4,405 GPM:16,7 L/d 1 Gallon / minute:0,227 m<sup>3</sup>/h, 0°C:89,6 F  
Sealings: FPM (VITON):Fluoro-Carbon Elastomer, NBR = Nitrile Butylene Elastomer

B

**GENERAL FEATURES**

- **TORK series S5073 direct acting plate mounting compressor solenoid valves are 2/2 way normally closed and have small body size.**
- **Low coil power (5.5 W for DC , 7.2 - 8.5 VA form AC) and curent**
- **Manual override or without manuel override, for small body (1/8" and 1/4"),square type body and easy installation**
- **Suitable for non-aggressive liquids (water, light oil (2E) etc...), gaseous fluids (air, inert gases etc...)**
- Working Temperature:-10°C / +160°C
- Not suitable for use with dangerous fluids listed in Group 1
- **Don't require any differential pressure**
- Compact and low weight valve enabling and quick installation
- High reliability, quality and performance; long life, corrosion resistance
- Ideal for the automatic control of media in a wide range of applications.
- 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))W

**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 micro plug connectors (DIN 43650)
- 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
- Sealing : FPM (VITON)
- Shading Ring : Copper
- Seats : Brass
- Core Tube : Stainless Steel
- Springs : Stainless Steel
- On request; nickel plated body

**TECHNICAL FEATURES**

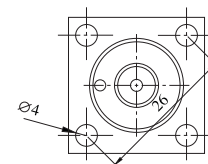
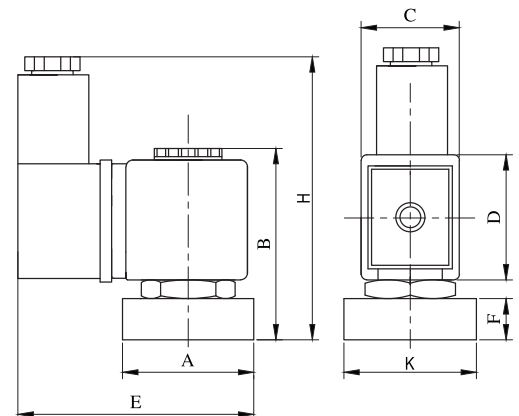
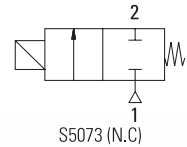
- Max Viscosity : 5°E (~37cSt or mm<sup>2</sup>/s)
- Response Time : Opening Time:30 ms, Closing Time :30 ms
- Maximum Allowable Pressure:20 bar



Application

Plate Mounting

**Normally Closed**



On request; solenoid valve can have 2 mounting holes at the bottom of the body.

Dimensions (mm)

A	B	C	D	E	F	H	K
25	52	22	29.5	61	6	68	25

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure min / max		KV	Fluid Temperature		Seal	Weight
				bar	bar		min °C	max		
T-MIP.2W	S5073	G	mm	bar	bar	lt/min	min	max	VITON	(kg)
T-MIP.2W 100	S5073.018		1.8	0	12	1.6	-10	160		0.27

**Useful Informations**

1 bar:14,5 PSI:10 mH<sub>2</sub>O:10 N/cm<sup>2</sup>:100000 Pa , 1 PSI:69 mbar,1 m<sup>3</sup>/h:4,405 GPM:16,7 L/d 1 Gallon / minute:0,227 m<sup>3</sup>/h, 0°C:89,6 F  
Sealings:FPM (VITON);Fluoro-Carbon Elastomer

# COMPRESSOR SOLENOID VALVES

2/2 Way  
Direct Operated  
G 1/8", G1/4"

**S5079**  
**SERIES**

**Normally Open**

**B**

## GENERAL FEATURES

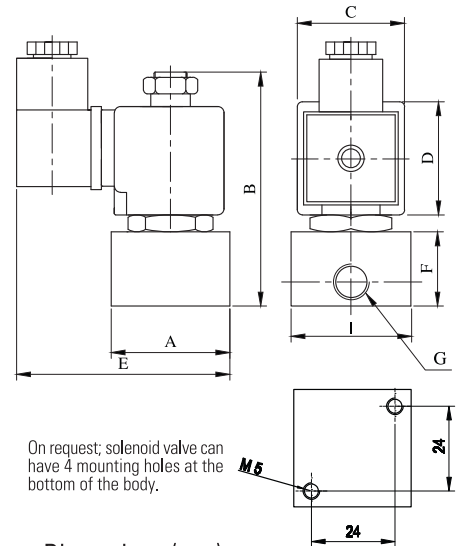
- **TORK series S5079 direct acting plate mounting compressor solenoid valves are 2/2 way normally open and have small body size.**
- **Without manual override, for small body (1/8" and 1/4"), square type body and easy installation**
- **Suitable for non-aggressive liquids (water, light oil (2E) etc...), gaseous fluids (air, inert gases etc...)**
- Working Temperature: -10°C / +160°C
- **On request manual override**
- Not suitable for use with dangerous fluids listed in Group 1
- **Don't require any differential pressure**
- Compact and low weight valve enabling and quick installation
- High reliability, quality and performance; long life, corrosion resistance
- Wide pressure ratings, range of flow rate and orifice options
- **On request; solenoid valve can have 4 mounting holes at the bottom of the body.**
- Ideal for the automatic control of media in a wide range of applications.
- TORK solenoid valves satisfy relevant 97/23/EC, Pressure Equipment Directive (PED) and 2006/95/EEC Low Voltage Directive (LVD).
- Some applications; compressor tank
- 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



On request; solenoid valve can have 4 mounting holes at the bottom of the body.

Dimensions (mm)

	G	A	B	C	D	E	F	I
1/8"	35	78.5	32	39	68	26.5	35	
1/4"	35	78.5	32	39	68	26.5	35	

## MATERIALS IN CONTACT WITH FLUID

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

## TECHNICAL FEATURES

- Max Viscosity: 5°E (~37cSt or mm<sup>2</sup>/s)
- Response Time: Opening Time: 30 ms, Closing Time: 30 ms
- Maximum Allowable Pressure: 20 bar
- Fluid Temperature for NBR from -10° / +80°



Application



Application

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure		KV	Fluid Temperature		Seal	Weight
				min	max		min	max		
<b>T-GKPN</b>	<b>S5079</b>	<b>G</b>	<b>mm</b>	<b>bar</b>	<b>bar</b>	<b>lt/min</b>	<b>°C</b>			<b>(kg)</b>
T- GKPN 100	S5079.00.018	1/8"	1.8	0	12	1.6	-10	160	VITON	0.51
T- GKPN 100.2,5	S5079.00.025	1/8"	2.5	0	10	3.2	-10	160	VITON	0.51
T- GKPN 100.3	S5079.00.030	1/8"	3	0	5	4.6	-10	160	VITON	0.51
T- GKPN 101	S5079.01.018	1/4"	1.8	0	12	1.6	-10	160	VITON	0.5
T- GKPN 101.2,5	S5079.01.025	1/4"	2.5	0	10	3.2	-10	160	VITON	0.5
T- GKPN 101.3	S5079.01.030	1/4"	3	0	5	4.6	-10	160	VITON	0.5

## Useful Informations

1 bar:14,5 PSI:10 mH<sub>2</sub>O:10 N/cm<sup>2</sup>:1 kg/cm<sup>2</sup>:100000 Pa, 1 PSI:69 mbar,1 m<sup>3</sup>/h:4.405 GPM:16,7 L/d 1 Gallon / minute:0,227 m<sup>3</sup>/h, 0°C:89,6 F  
Sealings:FPM (VITON);Fluoro-Carbon Elastomer, NBR = Nitrile Butylene Elastomer

B

**GENERAL FEATURES**

- **Small body size.**
- **Valves can be used on especially exhaust systems and and pneumatic control systems**
- **Suitable for non-aggressive liquids (water, light oil (2E) etc...), gaseous fluids (air, inert gases etc...)**
- Working Temperature:-10°C / +160°C
- **On request; top exhaust with 1 mm, 1,8 mm and 2,5 mm orifice and seals**
- Not suitable for use with dangerous fluids listed in Group 1
- **Don't require any differential pressure**
- Compact and low weight valve enabling and quick installation
- High reliability, quality and performance; long life, corrosion resistance
- Wide pressure ratings, range of flow rate and orifice options
- **On request; solenoid valve can have 1 mounting hole at the bottom of the body.**
- Ideal for the automatic control of media in a wide range of applications
- 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
- Sealing : FPM (VITON)
- Shading Ring : Copper
- Seats : Brass
- Core Tube : Stainless Steel
- Springs : Stainless Steel
- On request; nickel plated body

**TECHNICAL FEATURES**

- Max Viscosity : 5°E (~37cSt or mm<sup>2</sup>/s)
- Response Time : Opening Time:30 ms, Closing Time: 30 ms
- Maximum Allowable Pressure: 25 bar

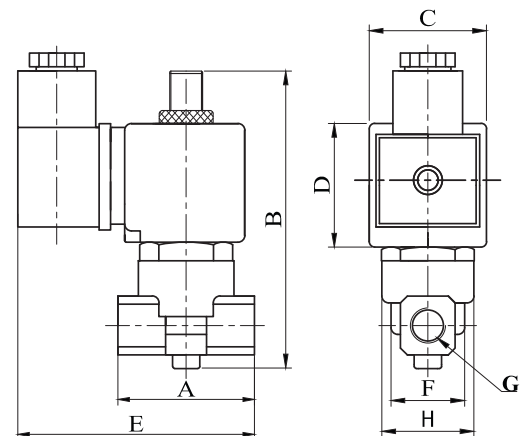
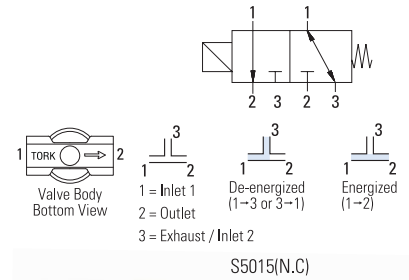


Application



Application

**Normally Closed**



Dimensions (mm)

	G	A	B	C	D	E	F	H
1/8"	40	102	32	39	78	22.3	25.6	
1/4"	40	102	32	39	78	22.3	25.6	

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure min / max			KV	Fluid Temperature		Seal	Weight
				bar	bar liquid	bar air		min	°C max		
<b>T-GK.3W</b>	<b>S5015</b>	<b>G</b>	<b>mm</b>	<b>bar</b>	<b>bar liquid</b>	<b>bar air</b>	<b>lt/min</b>	<b>min</b>	<b>°C max</b>		<b>(kg)</b>
T-GK.3W 100	S5015.00.010	1/8"	1	0	8	16	1-2=0,5 , 2-3=0,5	-10	160	VITON	0.5
T-GK.3W 101	S5015.01.010	1/4"	1	0	8	16	1-2=0,5 , 2-3=0,5	-10	160	VITON	0.49

**Useful Informations**

1 bar:14,5 PSI:10 mH<sub>2</sub>O:10 N/cm<sup>2</sup>:1 kg/cm<sup>2</sup>:100000 Pa , 1 PSI:69 mbar,1 m<sup>3</sup>/h:4,405 GPM:16,7 L/d 1 Gallon / minute:0,227 m<sup>3</sup>/h, 0°C:89,6 F  
Sealings:FPM (VITON):Fluoro-Carbon Elastomer

**GENERAL FEATURES**

- **TORK series S5080 (N.C) direct acting plate mounting compressor solenoid valves are 3/2 way normally closed and have small body size.**
- **Without manual override, for small body (1/8" and 1/4"), square type body and easy installation**
- **This valves use especially exhaust systems**
- **On request manual override**
- **Suitable for non-aggressive liquids (water, light oil (2E) etc...), gaseous fluids (air, inert gases etc...)**
- Working Temperature: -10°C / +160°C
- **On request; top exhaust with 1 mm, 1,8 mm and 2,5 mm orifice and seals**
- Not suitable for use with dangerous fluids listed in Group 1
- **Don't require any differential pressure**
- Compact and low weight valve enabling and quick installation
- High reliability, quality and performance; long life, corrosion resistance
- Wide pressure ratings, range of flow rate and orifice options
- **On request; solenoid valve can have 4 mounting hole at the bottom of the body.**
- Ideal for the automatic control of media in a wide range of applications
- TORK solenoid valves satisfy relevant 97/23/EC, Pressure Equipment Directive (PED) and 2006/95/EEC Low Voltage Directive (LVD).
- Some applications; compressor tank
- Coils interchangeable
- Fw 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 Ø 6-8 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**

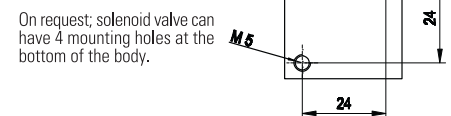
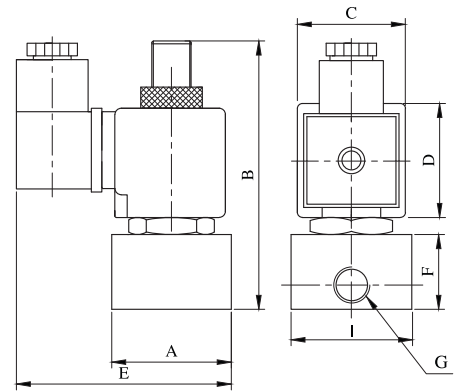
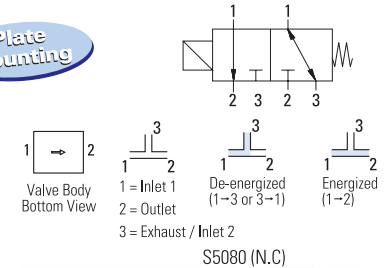
Body : Brass  
 Internal Parts : Stainless Steel  
 Sealing : FPM (VITON)  
 Shading Ring : Copper  
 Seats : Brass  
 Core Tube : Stainless Steel  
 Springs : Stainless Steel  
 On request; nickel plated body  
 On request; sealing can be NBR



**TECHNICAL FEATURES**

Max Viscosity : 5°E (~37cSt or mm<sup>2</sup>/s)  
 Response Time : Opening Time:30 ms, Closing Time:30 ms  
 Maximum Allowable Pressure:20 bar  
 Fluid Temperature for NBR from -10° / +80°

**Normally Closed**



On request; solenoid valve can have 4 mounting holes at the bottom of the body.

Dimensions (mm)								
	G	A	B	C	D	E	F	I
1/8"	35	90.5	32	39	68	26.5	35	
1/4"	35	90.5	32	39	68	26.5	35	

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure min / max			KV	Fluid Temperature		Seal	Weight
				mm	bar	bar liquid		bar air	min		
T-GKP.3W	S5080	G	mm	bar	bar liquid	bar air	lt/min	min	max		(kg)
T-GKP.3W 100	S5080.00.018	1/8"	1.8	0	2	14	1-2=1,35, 2-3=1,35	-10	160	VITON	0.5
T-GKP.3W 100.2,5	S5080.00.025	1/8"	2.5	0	1	10	1-2=2,5, 2-3=1,35	-10	160	VITON	0.5
T-GKP.3W 101	S5080.01.018	1/4"	1.8	0	2	14	1-2=1,35, 2-3=1,35	-10	160	VITON	0.49
T-GKP.3W 101.2,5	S5080.01.025	1/4"	2.5	0	1	10	1-2=2,5, 2-3=1,35	-10	160	VITON	0.49

**Useful Informations**

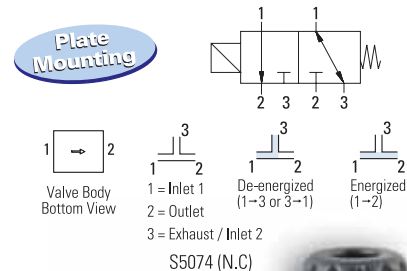
1 bar:14,5 PSI:10 mH<sub>2</sub>O:10 N/cm<sup>2</sup>:1 kg/cm<sup>2</sup>: 100000 Pa, 1 PSI:69 mbar,1 m<sup>3</sup>/h:4.405 GPM:16,7 L/d 1 Gallon / minute:0,227 m<sup>3</sup>/h, 0°C:89,6 F  
 Sealings:FPM (VITON);Fluoro-Carbon Elastomer, NBR = Nitrile Butylene Elastomer

**B**

**GENERAL FEATURES**

- **TORK series S5074 direct acting plate mounting compressor solenoid valves are 3/2 way normally closed and have small body size.**
- **Low coil power (5.5 W for DC , 7.2 - 8.5 VA form AC) and curent**
- **Manual override or without manuel override, for small body (1/8" and 1/4"),square type body and easy installation**
- **Suitable for non-aggressive liquids (water, light oil (2E) etc...), gaseous fluids (air, inert gases etc...)**
- Working Temperature:-10°C / +160°C
- Not suitable for use with dangerous fluids listed in Group 1
- **Don't require any differential pressure**
- Compact and low weight valve enabling and quick installation
- High reliability, quality and performance; long life, corrosion resistance
- Ideal for the automatic control of media in a wide range of applications.
- 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))

**Normally Closed**



**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 micro plug connectors (DIN 43650)
- 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**

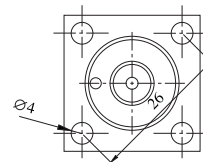
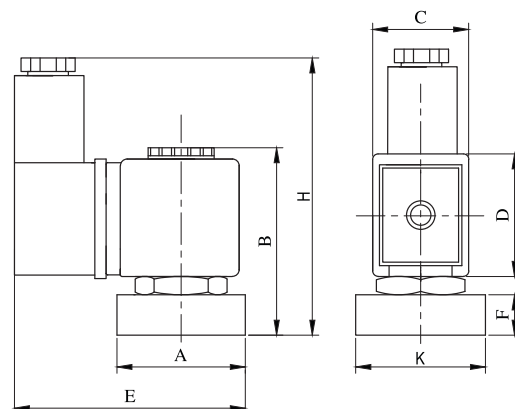
- Body : Brass
- Internal Parts : Stainless Steel
- Sealing : FPM (VITON)
- Shading Ring : Copper
- Seats : Brass
- Core Tube : Stainless Steel
- Springs : Stainless Steel
- On request; nickel plated body

**TECHNICAL FEATURES**

- Max Viscosity : 5°E (~37cSt or mm²/s)
- Response Time : Opening Time:30 ms, Closing Time :30 ms
- Maximum Allowable Pressure:10 bar



Application



On request; solenoid valve can have 2 mounting holes at the bottom of the body.

Dimensions (mm)

A	B	C	D	E	F	H	K
25	52	22	29.5	61	6	68	25

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure min / max		KV	Fluid Temperature		Seal	Weight
				bar	bar		min	°C max		
T-MIP.3W	S5074	G	mm	bar	bar	lt/min	min	°C max	VITON	(kg)
T-MIP.3W 100	S5074.018		1.8	0	6	1-2=1,35 , 2-3=1,35	-10	160	VITON	0.27

**Useful Informations**

1 bar:14,5 PSI:10 mH<sub>2</sub>O:10 N/cm<sup>2</sup>:1 kg/cm<sup>2</sup>:100000 Pa , 1 PSI:69 mbar,1 m<sup>3</sup>/h:4,405 GPM:16,7 L/d 1 Gallon / minute:0,227 m<sup>3</sup>/h, 0°C:89,6 F  
Sealings:FPM (VITON);Fluoro-Carbon Elastomer



**GENERAL FEATURES**

- **TORK series S5018 (N.C and N.O) direct acting compressor solenoid valves are 3/2 way normally closed –normally open and have small body size.**
- **Solenoid valves with three ports in body enabling convenient installation**
- **Valves especially used on exhaust systems and and pneumatic control systems**
- **On request; high pressure**
- **Suitable for non-aggressive liquids (water, light oil (2E) etc...), gaseous fluids (air, inert gases etc...)**
- Working Temperature:-10°C / +160°C
- Not suitable for use with dangerous fluids listed in Group 1
- **Don't require any differential pressure**
- Compact and low weight valve enabling and quick installation
- High reliability, quality and performance; long life, corrosion resistance
- Wide pressure ratings, range of flow rate and orifice options
- Ideal for the automatic control of media in a wide range of applications
- 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
- Sealing:FPM (VITON)
- Shading Ring:Copper
- Seats:Brass
- Core Tube:Stainless Steel
- Springs:Stainless Steel
- On request; nickel plated body

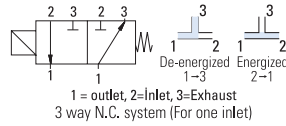
**TECHNICAL FEATURES**

- Max Viscosity:5°E (~37cSt or mm²/s)
- Response Time:Opening Time:30 ms, Closing Time :30 ms
- Maximum Allowable Pressure:20 bar

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure (for air)				KV	Fluid Temperature		Seal	Weight
				Min. Bar	Max. Bar	Max. Bar	Max. Bar		min °C	max °C		
T-GKY.3W	S5018	G	mm					lt/min				(kg)
T-GKY.3W 100	S5018.00.018	1/8"	1.8	0	4	7	16	1.5	-10	160	VITON	0.44
T-GKY.3W 100,2,5	S5018.00.025	1/8"	2.5	0	3	4	12	3	-10	160	VITON	0.44
T-GKY.3W 100,3,5	S5018.00.035	1/8"	3.5	0	1	5	10	5	-10	160	VITON	0.44
T-GKY.3W 101	S5018.01.018	1/4"	1.8	0	4	7	16	1.5	-10	160	VITON	0.43
T-GKY.3W 101,2,5	S5018.01.025	1/4"	2.5	0	3	4	12	3	-10	160	VITON	0.43
T-GKY.3W 101,3,5	S5018.01.035	1/4"	3.5	0	1	2	10	5	-10	160	VITON	0.43

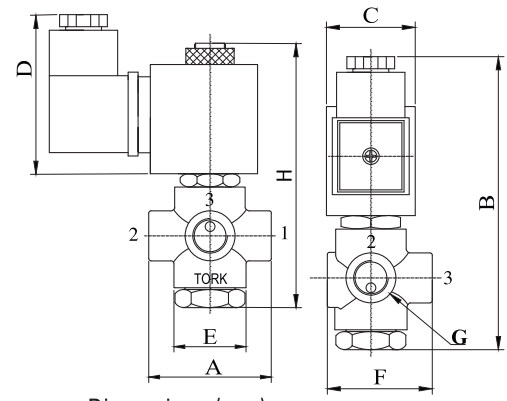
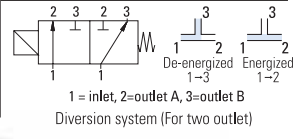
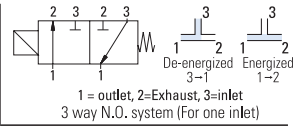
**Useful Informations**

1 bar:14,5 PSI:10 mH<sub>2</sub>O:10 N/cm<sup>2</sup>:1 kg/cm<sup>2</sup>:100000 Pa , 1 PSI:69 mbar,1 m<sup>3</sup>/h:4,405 GPM:16,7 L/d 1 Gallon / minute:0,227 m<sup>3</sup>/h, 0°C:89,6 F  
Sealings:FPM (VITON):Fluoro-Carbon Elastomer



**Normally Closed**

**Normally Open**



Dimensions (mm)

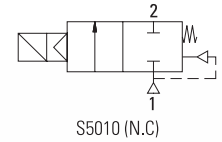
G	A	B	C	D	E	F	H
1/8"	44.2	105.5	32	57.3	26	37.8	95.2
1/4"	44.2	105.5	32	57.3	26	37.8	95.2

B

**GENERAL FEATURES**

- TORK series S5010 diaphragm compressor solenoid valves are 2/2 way normally closed and pilot operated
- Suitable for non-aggressive liquids (water, light oil (2E) etc...), gaseous fluids (air, iner gases etc...)
- Working Temperature:-10°C / +160°C
- Not suitable for use with dangerous fluids listed in Group 1
- **Minimum operating differential pressure 0,5 bar**
- High reliability, quality and performance; long life, corrosion resistance
- Wide pressure ratings, range of flow rate and orifice options
- Ideal for the automatic control of media in a wide range of applications.
- TORK solenoid valves satisfy relevant 97/23/EC, Pressure Equipment Directive (PED) and 2006/95/EEC Low Voltage Directive (LVD).
- Some applications; compressor tank
- 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))

**Normally Closed**



**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

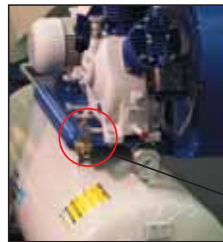
Other voltages on request;  
Voltage Tolerances : For AC -15%; +10%, For DC -5%; +10%  
Frequency : 50 Hz, other frequencies on request; (60 Hz)  
On request; connector with LED  
Specify coil voltage with order

**MATERIALS IN CONTACT WITH FLUID**

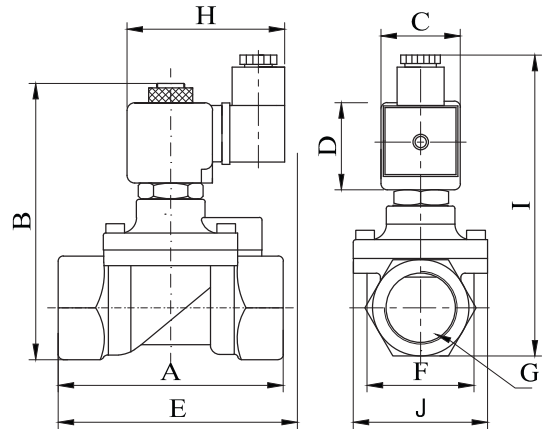
- Body : Brass
- Internal Parts : Stainless Steel and brass
- Sealing : FPM (VITON)
- Shading Ring : Copper
- Seats : Brass
- Core Tube : Stainless Steel
- Springs : Stainless Steel
- On request; nickel plated body

**TECHNICAL FEATURES**

- Max Viscosity : 5°E (~37cSt or mm<sup>2</sup>/s)
- Response Time : Opening Time : 400 ms to ~ 1600 ms,  
Closing Time : 1000 ms to ~ 2000 ms
- Maximum Allowable Pressure : 25 bar



Application



Dimensions (mm)

	G	A	B	C	D	E	F	J	H	I
3/8"	74	112	32	45	91.3	37.5	52	76	126	
1/2"	79	115	32	45	92	39.8	52	76	112.7	
3/4"	79	122.3	32	45	94	41.5	52	76	135.5	
1"	85	130	32	45	101	42.5	52	76	141.5	

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure min / max		KV	Fluid Temperature		Seal	Weight
				bar	bar		min °C	max		
T-GK	S5010	G	mm	bar	bar	lt/min	min °C	max		(kg)
T-GK 102	S5010.02	3/8"	12.5	0.5	16	48	-10	160	VITON	0.68
T-GK 103	S5010.03	1/2"	14.5	0.5	16	70	-10	160	VITON	0.71
T-GK 104	S5010.04	3/4"	17	0.5	16	85	-10	160	VITON	0.8
T-GK 105	S5010.05	1"	17	0.5	16	90	-10	160	VITON	0.97

**Useful Informations**

1 bar:14,5 PSI:10 mH<sub>2</sub>O:10 N/cm<sup>2</sup>:1 kg/cm<sup>2</sup>: 100000 Pa, 1 PSI:69 mbar,1 m<sup>3</sup>/h:4,405 GPM:16,7 L/d 1 Gallon / minute:0,227 m<sup>3</sup>/h, 0°C:89,6 F  
Sealings:FPM (VITON);Fluoro-Carbon Elastomer

**GENERAL FEATURES**

- High working pressure for connections 3/8", 1/2", 3/4" and 1"
- Suitable for non-aggressive liquids (water, light oil (2E), fuel oil, hydraulic oil, diesel oil, etc...), gaseous fluids (inert gases etc...)
- Working Temperature: -10°C / +160°C
- Not suitable for use with dangerous fluids listed in Group 1
- Minimum operating differential pressure 0,5 bar
- High reliability, quality and performance; long life, corrosion resistance
- Wide pressure ratings, range of flow rate and orifice options
- Ideal for the automatic control of media in a wide range of applications.
- TORK solenoid valves satisfy relevant 97/23/EC, Pressure Equipment Directive (PED) and 2006/95/EEC Low Voltage Directive (LVD).
- Some applications; compressor tank
- 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 Ø 6-8 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 : FPM (VITON) + PTFE
- Shading Ring : Copper
- Seats : Brass
- Core Tube : Stainless Steel
- Springs : Stainless Steel
- On request; nickel plated body

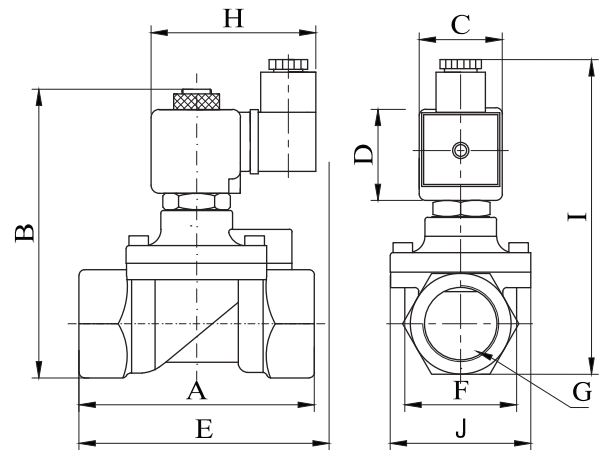
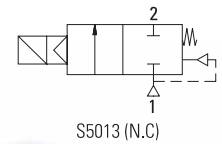
**TECHNICAL FEATURES**

Max Viscosity : 5°E (~37cSt or mm<sup>2</sup>/s)  
Response Time : Opening Time : 400 ms to ~ 1600 ms,  
Closing Time : 1000 ms to ~ 2000 ms  
Maximum Allowable Pressure : 60 bar



**Normally Closed**

High Pressure



Dimensions (mm)

	G	A	B	C	D	E	F	J	H	I
3/8"	75	97	32	45	91.3	37.5	52	76	108	
1/2"	79	100	32	45	92	39.5	52	76	110	
3/4"	79	107.5	32	45	94	41.5	52	76	118	
1"	85	115	32	45	101	42.5	52	76	124	

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure min / max	KV	Fluid Temperature	Seal	Weight
<b>T-GK.H</b>	<b>S5013</b>	<b>G</b>	<b>mm</b>	<b>bar</b> / <b>bar</b>	<b>lt/min</b>	<b>min</b> / <b>°C</b> / <b>max</b>		<b>(kg)</b>
T-GK.H 102	S5013.02	3/8"	12.5	0.5 / 40	48	-10 / 160	PTFE + VITON	0.68
T-GK.H 103	S5013.03	1/2"	14.5	0.5 / 40	70	-10 / 160	PTFE + VITON	0.71
T-GK.H 104	S5013.04	3/4"	17	0.5 / 40	85	-10 / 160	PTFE + VITON	0.79
T-GK.H 105	S5013.05	1"	17	0.5 / 40	90	-10 / 160	PTFE + VITON	0.96

**Useful Informations**

1 bar:14,5 PSI:10 mH<sub>2</sub>O:10 N/cm<sup>2</sup>:1 kg/cm<sup>2</sup>:1 kg/cm<sup>2</sup>:100000 Pa, 1 PSI:69 mbar,1 m<sup>3</sup>/h:4,405 GPM:16,7 L/d 1 Gallon / minute:0,227 m<sup>3</sup>/h, 0°C:89,6 F  
Sealings:FPM (VITON):Fluoro-Carbon Elastomer, PTFE:Polytetrafluorethylene

B

**GENERAL FEATURES**

- **New design**
- **TORK series S5040 (N.C)** diaphragm compressor solenoid valves are 2/2 way normally closed and pilot operated
- **Suitable for non-aggressive liquids (water, light oil (2E) etc...), gaseous fluids (air, inert gases etc...)**
- Working Temperature: -10°C / +160°C
- Not suitable for use with dangerous fluids listed in Group 1
- **Minimum operating differential pressure 0,35 bar**
- High reliability, quality and performance; long life, corrosion resistance
- Wide pressure ratings, range of flow rate and orifice options
- **On request; manual override**
- Ideal for the automatic control of media in a wide range of applications.
- TORK solenoid valves satisfy relevant 97/23/EC, Pressure Equipment Directive (PED) and 2006/95/EEC Low Voltage Directive (LVD).
- Some applications; compressor tank
- 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

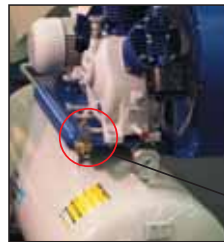
Other voltages on request;  
 Voltage Tolerances : For AC -15%; +10%, For DC -5%; +10%  
 Frequency : 50 Hz, other frequencies on request; (60 Hz)  
 On request; connector with LED  
 Specify coil voltage with order

**MATERIALS IN CONTACT WITH FLUID**

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

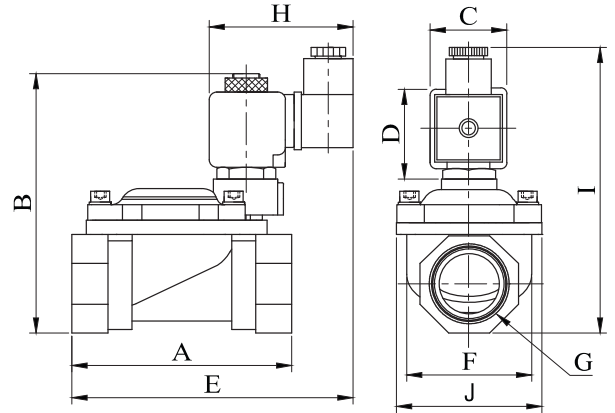
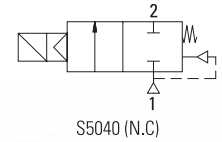
**TECHNICAL FEATURES**

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



**Normally Closed**

**NEW**



Dimensions (mm)

	G	A	B	C	D	E	F	J	H	I
3/8"	69	97	32	45	106.5	38	52	76	112	
1/2"	69	97	32	45	109	40	52	76	112	
3/4"	81.3	107.9	32	45	115.8	42.1	51.9	76	121	
1"	87.9	115.3	32	45	122.4	51.5	60.9	76	127.5	

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure		KV	Fluid Temperature		Seal	Weight
				min	max		min	max		
<b>T-GKTD</b>	<b>S5040</b>	<b>G</b>	<b>mm</b>	<b>bar</b>	<b>bar</b>	<b>lt/min</b>	<b>°C</b>			<b>(kg)</b>
T-GKTD 102	S5040.02	3/8"	12.5	0.35	16	45	-10	160	VITON	0.68
T-GKTD 103	S5040.03	1/2"	12.5	0.35	16	65	-10	160	VITON	0.64
T-GKTD 104	S5040.04	3/4"	15	0.35	16	70	-10	160	VITON	0.79
T-GKTD 105	S5040.05	1"	15	0.35	16	85	-10	160	VITON	0.96

**Useful Informations**

1 bar:14,5 PSI:10 mH<sub>2</sub>O:10 N/cm<sup>2</sup>:1 kg/cm<sup>2</sup>: 100000 Pa, 1 PSI:69 mbar,1 m<sup>3</sup>/h:4,405 GPM:16,7 L/d 1 Gallon / minute:0,227 m<sup>3</sup>/h, 0°C:89,6 F  
 Sealings:FPM (VITON);Fluoro-Carbon Elastomer

**GENERAL FEATURES**

- Suitable for non-aggressive liquids (water, light oil (2E) etc...), gaseous fluids (air, inert gases etc...)
- Working Temperature: -10°C / +160°C
- Not suitable for use with dangerous fluids listed in Group 1
- **Minimum operating differential pressure 0,5 bar**
- High reliability, quality and performance; long life, corrosion resistance
- Wide pressure ratings, range of flow rate and orifice options
- Ideal for the automatic control of media in a wide range of applications.
- TORK solenoid valves satisfy relevant 97/23/EC, Pressure Equipment Directive (PED) and 2006/95/EEC Low Voltage Directive (LVD).
- Some applications; compressor tank
- 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 Copper  
 Sealing : FPM (VITON)  
 Shading Ring : Copper  
 Seats : Brass  
 Core Tube : Stainless Steel  
 Springs : Stainless Steel  
 On request; nickel plated body

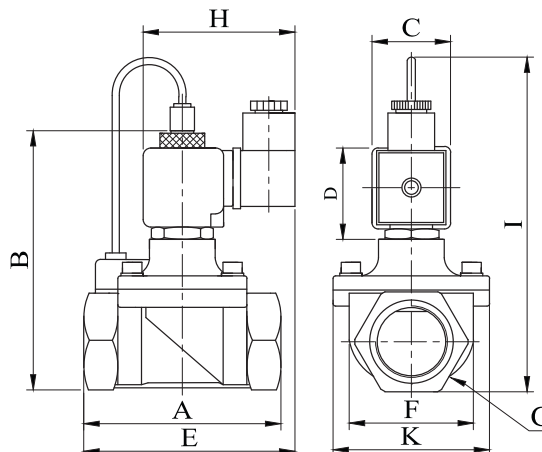
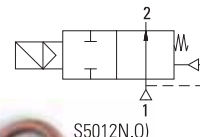
**TECHNICAL FEATURES**

Max Viscosity : 5°E (~37cSt or mm<sup>2</sup>/s)  
 Response Time : Opening Time : 400 ms to ~ 1600 ms,  
 Closing Time : 1000 ms to ~ 2000 ms  
 Maximum Allowable Pressure : 25 bar



Application

**Normally Open**



Dimensions (mm)

	G	A	B	C	D	E	F	K	H	I
3/8"	74	97	32	45	91.3	37.5	52	76	124	
1/2"	79	100	32	45	92	39.8	52	76	128	
3/4"	79	107.3	32	45	94	41.5	52	76	134	
1"	85	115	32	45	101	42.5	52	76	143.5	

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure min / max	KV	Fluid Temperature	Seal	Weight
<b>T-GKA</b>	<b>S5012</b>	<b>G</b>	<b>mm</b>	<b>bar</b> <b>bar</b>	<b>lt/min</b>	<b>°C</b> min   max		<b>(kg)</b>
T-GKA 102	S5012.02	3/8"	12.5	0.5   16	48	-10   160	VITON	0.7
T-GKA 103	S5012.03	1/2"	14.5	0.5   16	70	-10   160	VITON	0.73
T-GKA 104	S5012.04	3/4"	17	0.5   16	85	-10   160	VITON	0.81
T-GKA 105	S5012.05	1"	17	0.5   16	90	-10   160	VITON	0.99

**Useful Informations**

1 bar:14,5 PSI:10 mH<sub>2</sub>O:10 N/cm<sup>2</sup>:1 kg/cm<sup>2</sup>:100000 Pa, 1 PSI:69 mbar,1 m<sup>3</sup>/h:4,405 GPM:16,7 L/d 1 Gallon / minute:0,227 m<sup>3</sup>/h, 0°C:89,6 F  
 Sealings:FPM (VITON);Fluoro-Carbon Elastomer

**B**

**GENERAL FEATURES**

- **High working pressure for connections 3/8", 1/2", 3/4" and 1"**
- **Suitable for non-aggressive liquids (water, light oil (2E), fuel oil, hydraulic oil, diesel oil, etc...), gaseous fluids (inert gases etc...)**
- Working Temperature: -10°C / +160°C
- Not suitable for use with dangerous fluids listed in Group 1
- **Minimum operating differential pressure 0,5 bar**
- High reliability, quality and performance; long life, corrosion resistance
- Wide pressure ratings, range of flow rate and orifice options
- Ideal for the automatic control of media in a wide range of applications.
- TORK solenoid valves satisfy relevant 97/23/EC, Pressure Equipment Directive (PED) and 2006/95/EEC Low Voltage Directive (LVD).
- Some applications; compressor tank
- 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
- Sealing : FPM (VITON) + PTFE
- Shading Ring : Copper
- Seats : Brass
- Core Tube : Stainless Steel
- Springs : Stainless Steel
- On request; nickel plated body

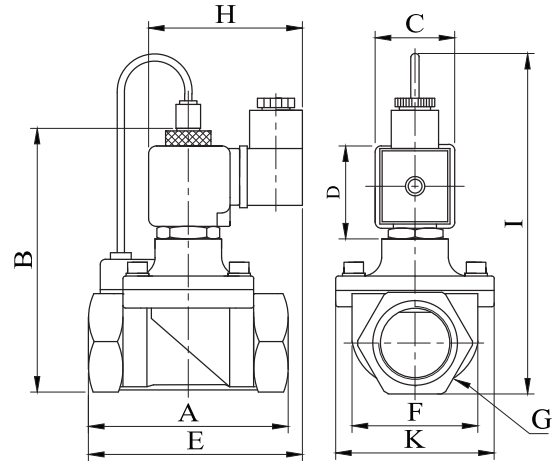
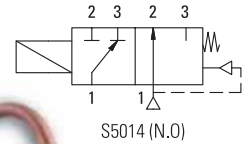
**TECHNICAL FEATURES**

- Max Viscosity : 5°E (~37cSt or mm<sup>2</sup>/s)
- Response Time : Opening Time : 400 ms to ~ 1600 ms,  
Closing Time : 1000 ms to ~ 2000 ms
- Maximum Allowable Pressure : 60 bar



**Normally Open**

High Pressure



Dimensions (mm)

	G	A	B	C	D	E	F	K	H	I
3/8"	74	97	32	45	91.3	37.5	52	76	124	
1/2"	79	100	32	45	92	39.8	52	76	128	
3/4"	79	107.3	32	45	94	41.5	52	76	134	
1"	85	115	32	45	101	42.5	52	76	143.5	

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure min / max		KV	Fluid Temperature		Seal	Weight
T-GK.HA	S5014	G	mm	bar	bar	lt/min	min	°C max		(kg)
T-GK.HA 102	S5014.02	3/8"	12.5	0.5	40	48	-10	160	PTFE + VITON	0.71
T-GK.HA 103	S5014.03	1/2"	14.5	0.5	40	70	-10	160	PTFE + VITON	0.74
T-GK.HA 104	S5014.04	3/4"	17	0.5	40	85	-10	160	PTFE + VITON	0.82
T-GK.HA 105	S5014.05	1"	17	0.5	40	90	-10	160	PTFE + VITON	0.99

**Useful Informations**

1 bar:14,5 PSI:10 mH<sub>2</sub>O:10 N/cm<sup>2</sup>:1 kg/cm<sup>2</sup>:100000 Pa, 1 PSI:69 mbar,1 m<sup>3</sup>/h:4.405 GPM:16,7 L/d 1 Gallon / minute:0,227 m<sup>3</sup>/h, 0°C:89,6 F  
Sealings:FPM (VITON):Fluoro-Carbon Elastomer, EPDM, PTFE:Polytetrafluorethylene

**GENERAL FEATURES**

- Suitable for non-aggressive liquids (water, light oil (2E), fuel oil, hydraulic oil, diesel oil, etc...), gaseous fluids (inert gases etc...)
- On request; top exhaust with 1 mm, 1,8 mm and 2,5 mm orifice
- The working temperature for fluid is Minimum -10°C and maximum +160°C
- Not suitable for use with dangerous fluids listed in Group 1
- Minimum operating differential pressure 0,5 bar
- High reliability, quality and performance; long life, corrosion resistance
- Wide pressure ratings, range of flow rate and orifice options
- Ideal for the automatic control of media in a wide range of applications.
- TORK solenoid valves satisfy relevant 97/23/EC, Pressure Equipment Directive (PED) and 2006/95/EEC Low Voltage Directive (LVD)
- Some applications; compressor tank
- 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 Ø 6-8 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**

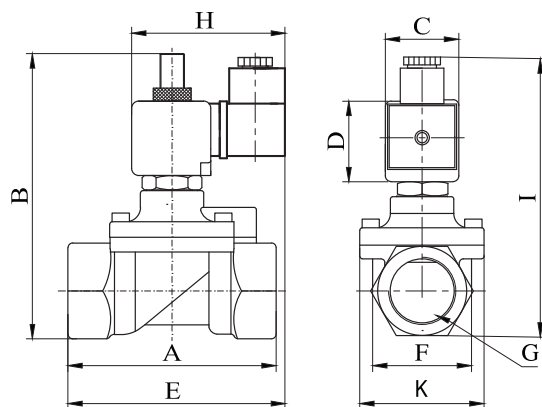
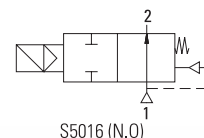
- Body : Brass  
 Internal Parts : Stainless Steel  
 Sealing : FPM (VITON)  
 Shading Ring : Copper  
 Seats : Brass  
 Core Tube : Stainless Steel  
 Springs : Stainless Steel  
 On request; nickel plated body

**TECHNICAL FEATURES**

- Max Viscosity : 5°E (~37cSt or mm<sup>2</sup>/s)  
 Response Time : Opening Time : 400 ms to ~ 1600 ms,  
 Closing Time : 1000 ms to ~ 2000 ms  
 Maximum Allowable Pressure : 25 bar



**Normally Open**



Dimensions (mm)

	G	A	B	C	D	E	F	K	H	I
3/8"	75	105	32	45	91.3	37.5	52	76	108	
1/2"	79	107	32	45	92	39.5	52	76	110	
3/4"	79	115	32	45	94	41.5	52	76	118	
1"	85	122	32	45	101	42.5	52	76	124	

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure min / max		KV	Fluid Temperature		Seal	Weight
				bar	bar		min	°C max		
T-GKA.3W	S5016	G	mm	bar	bar	lt/min	min	°C max		(kg)
T-GKA.3W 102	S5016.02	3/8"	12.5	0.5	16	48	-10	160	VITON	0.71
T-GKA.3W 103	S5016.03	1/2"	14.5	0.5	16	70	-10	160	VITON	0.74
T-GKA.3W 104	S5016.04	3/4"	17	0.5	16	85	-10	160	VITON	0.82
T-GKA.3W 105	S5016.05	1"	17	0.5	16	90	-10	160	VITON	0.99

**Useful Informations**

1 bar:14,5 PSI:10 mH<sub>2</sub>O:10 N/cm<sup>2</sup>:1 kg/cm<sup>2</sup>:100000 Pa, 1 PSI:69 mbar,1 m<sup>3</sup>/h:4,405 GPM:16,7 L/d 1 Gallon / minute:0,227 m<sup>3</sup>/h, 0°C:89,6 F  
 Sealings:FPM (VITON);Fluoro-Carbon Elastomer, EPDM, PTFE:Polytetrafluorethylene

B

**GENERAL FEATURES**

- High working pressure for connections 3/8", 1/2", 3/4" and 1"
- Suitable for non-aggressive liquids (water, light oil (2E), fuel oil, hydraulic oil, diesel oil, etc...), gaseous fluids (inert gases etc...)
- On request; top exhaust with 1 mm, 1,8 mm and 2,5 mm orifice
- The working temperature for fluid is Minimum -10°C and maximum +160°C
- Not suitable for use with dangerous fluids listed in Group 1
- Minimum operating differential pressure 0,5 bar
- High reliability, quality and performance; long life, corrosion resistance
- Wide pressure ratings, range of flow rate and orifice options
- Ideal for the automatic control of media in a wide range of applications.
- TORK solenoid valves satisfy relevant 97/23/EC, Pressure Equipment Directive (PED) and 2006/95/EEC Low Voltage Directive (LVD)
- Some applications; compressor tank
- 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 Ø 6-8 mm)  
 Electrical Safety : IEC 335  
 Standard Voltages : For AC 12V, 24V, 48V, 110V, 230V  
 : For DC 12V, 24V, 48V, 110 V

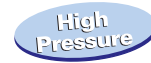
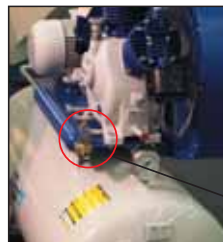
Other voltages on request;  
 Voltage Tolerances : For AC -15%; +10%, For DC -5%; +10%  
 Frequency : 50 Hz, other frequencies on request; (60 Hz)  
 On request; connector with LED  
 Specify coil voltage with order

**MATERIALS IN CONTACT WITH FLUID**

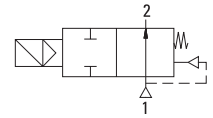
Body : Brass  
 Internal Parts : Stainless Steel  
 Sealing : FPM (VITON) + PTFE  
 Shading Ring : Copper  
 Seats : Brass  
 Core Tube : Stainless Steel  
 Springs : Stainless Steel  
 On request; nickel plated body

**TECHNICAL FEATURES**

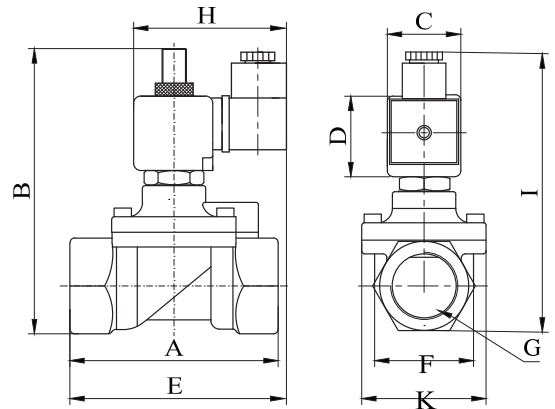
Max Viscosity : 5°E (-37cSt or mm<sup>2</sup>/s)  
 Response Time : Opening Time : 400 ms to ~ 1600 ms,  
 Closing Time : 1000 ms to ~ 2000 ms  
 Maximum Allowable Pressure : 60 bar



**Normally Open**



S5019 (N.O.)



Dimensions (mm)

	G	A	B	C	D	E	F	K	H	I
3/8"	75	105	32	45	91.3	37.5	52	76	108	
1/2"	79	107	32	45	92	39.5	52	76	110	
3/4"	79	115	32	45	94	41.5	52	76	118	
1"	85	122	32	45	101	42.5	52	76	124	

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure		KV	Fluid Temperature		Seal	Weight
				min	max		min	max		
<b>T-GKHA.3W</b>	<b>S5019</b>	<b>G</b>	<b>mm</b>	<b>bar</b>	<b>bar</b>	<b>lt/min</b>	<b>°C</b>			<b>(kg)</b>
T-GKHA.3W 102	S5019.02	3/8"	12.5	0.5	40	48	-10 160	PTFE + VITON	0.71	
T-GKHA.3W 103	S5019.03	1/2"	14.5	0.5	40	70	-10 160	PTFE + VITON	0.74	
T-GKHA.3W 104	S5019.04	3/4"	17	0.5	40	85	-10 160	PTFE + VITON	0.82	
T-GKHA.3W 105	S5019.05	1"	17	0.5	40	90	-10 160	PTFE + VITON	0.99	

**Useful Informations**

1 bar:14,5 PSI:10 mH<sub>2</sub>O:10 N/cm<sup>2</sup>:1 kg/cm<sup>2</sup>:100000 Pa, 1 PSI:69 mbar,1 m<sup>3</sup>/h:4,405 GPM:16,7 L/d 1 Gallon / minute:0,227 m<sup>3</sup>/h, 0°C:89,6 F  
 Sealings:FPM (VITON);Fluoro-Carbon Elastomer, EPDM, PTFE:Polytetrafluorethylene



**GENERAL FEATURES**

- **New design, internal exhaust system**
- **TORK series S5041 (N.O)** diaphragm compressor solenoid valves are 2/2 way normally open and pilot operated
- **Suitable for non-aggressive liquids (water, light oil (2E) etc...), gaseous fluids (air, inert gases etc...)**
- Working Temperature: -10°C / +160°C
- Not suitable for use with dangerous fluids listed in Group 1
- **Minimum operating differential pressure 0,35 bar**
- High reliability, quality and performance; long life, corrosion resistance
- Wide pressure ratings, range of flow rate and orifice options
- Ideal for the automatic control of media in a wide range of applications.
- TORK solenoid valves satisfy relevant 97/23/EC, Pressure Equipment Directive (PED) and 2006/95/EEC Low Voltage Directive (LVD)
- Some applications; compressor tank
- 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 : FPM (VITON)  
 Shading Ring : Copper  
 Seats : Brass  
 Core Tube : Stainless Steel and Brass  
 Springs : Stainless Steel  
 On request; nickel plated body

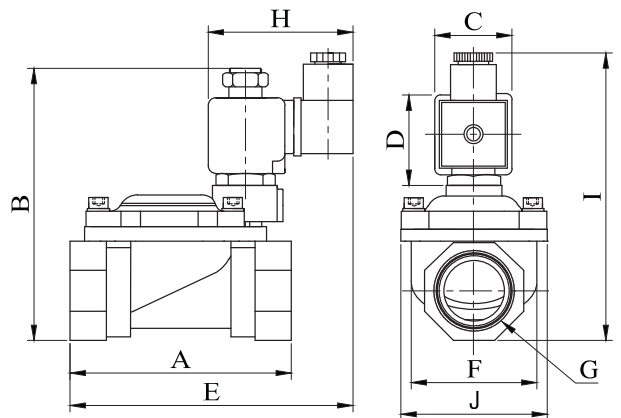
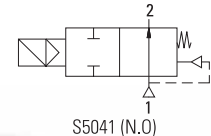
**TECHNICAL FEATURES**

Max Viscosity : 5°E (~37cSt or mm<sup>2</sup>/s)  
 Response Time: Opening Time : 400 ms to ~ 1600 ms,  
 Closing Time : 1000 ms to ~ 2000 ms  
 Maximum Allowable Pressure : 20 bar



Application

**Normally Open**



Dimensions (mm)

	G	A	B	C	D	E	F	J	H	I
3/8"	69	97	32	45	106.5	38	52	76	112	
1/2"	69	97	32	45	109	40	52	76	112	
3/4"	81.3	107.5	32	45	115.8	42.1	52	76	121	
1"	87.9	115	32	45	122.4	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-GKTDN	S5041	G	mm	bar	bar	lt/min	min °C max	(kg)
T-GKTDN 102	S5041.02	3/8"	12.5	0.35	12	45	-10 160	VITON 0.68
T-GKTDN 103	S5041.03	1/2"	12.5	0.35	12	65	-10 160	VITON 0.66
T-GKTDN 104	S5041.04	3/4"	15	0.35	12	70	-10 160	VITON 0.8
T-GKTDN 105	S5041.05	1"	15	0.35	12	85	-10 160	VITON 0.97

**Useful Informations**

1 bar:14,5 PSI:10 mH<sub>2</sub>O:10 N/cm<sup>2</sup>:1 kg/cm<sup>2</sup>: 100000 Pa, 1 PSI:69 mbar,1 m<sup>3</sup>/h:4,405 GPM:16,7 L/d 1 Gallon / minute:0,227 m<sup>3</sup>/h, 0°C:89,6 F  
 Sealings:FPM (VITON);Fluoro-Carbon Elastomer