

B

GENERAL FEATURES

- **New design**
- **TORK series S8073 direct acting gas solenoid valves are 2/2 way normally closed and have small body size.**
- **Suitable for natural gas, LPG, methane, propane, butane, city gas, air, non-corrosive gases (number 3 gas group) that are compatible with the construction materials used in the valves.**
- Working Temperature: -10°C / +80°C
- **On request solenoid valve can have two mounting holes at the bottom of the body**
- **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
- 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 Rp (ISO 7-1) and G (ISO 228-1) 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
- On request; Explosion proof coil
- Specify coil voltage with order

MATERIALS IN CONTACT WITH FLUID

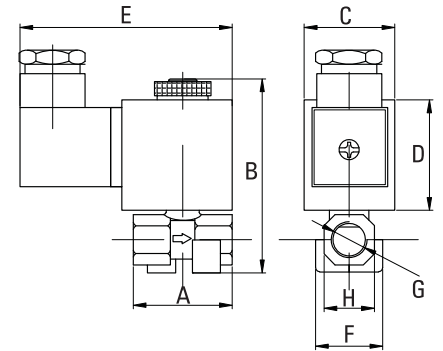
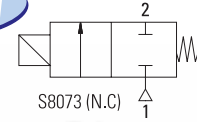
- Body : Brass
- Internal Parts : Stainless Steel
- Sealing : NBR
- Shading Ring : Copper
- Seats : Brass
- Core Tube : Stainless Steel and Brass
- Springs : Stainless Steel
- On request; nickel plated body
- On request; body and internal parts can be Stainless Steel.
- On request; sealing can be FPM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

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
- Fluid Temperature for FPM (VITON)
from -10°C; +160°C

Normally Closed

NEW



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

Dimensions (mm)

	G	A	B	C	D	E	F	H
1/8"	35,5	67	32	39	74,5	24,5	18	
1/4"	35,5	67	32	39	74,5	24,5	18	

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-DPV	S8073		mm	bar	bar	lt/min	min	°C max		(kg)
T-DPV 100	S8073.00.018	1/8"	1.8	0	16	1.6	-10	80	NBR	0.31
T-DPV 100.2,5	S8073.00.025	1/8"	2.5	0	12	3.2	-10	80	NBR	0.31
T-DPV 100.3	S8073.00.030	1/8"	3	0	10	4.6	-10	80	NBR	0.31
T-DPV 100.4	S8073.00.040	1/8"	4	0	9	6.4	-10	80	NBR	0.31
T-DPV 100.4,5	S8073.00.045	1/8"	4.5	0	8	7.5	-10	80	NBR	0.31
T-DPV 101	S8073.01.018	1/4"	1.8	0	16	1.6	-10	80	NBR	0.3
T-DPV 101.2,5	S8073.01.025	1/4"	2.5	0	12	3.2	-10	80	NBR	0.3
T-DPV 101.3	S8073.01.030	1/4"	3	0	10	4.6	-10	80	NBR	0.3
T-DPV 101.4	S8073.01.040	1/4"	4	0	9	6.4	-10	80	NBR	0.3
T-DPV 101.4,5	S8073.01.045	1/4"	4.5	0	8	7.5	-10	80	NBR	0.3

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

GENERAL FEATURES

- **TORK series S8010 direct acting gas solenoid valves are 2/2 way normally closed and have small body size.**
- **Suitable for natural gas, LPG, methane, propane, butane, city gas, air, non-corrosive gases (number 3 gas group) that are compatible with the construction materials used in the valves.**
- Working Temperature: -10°C / +80°C
- **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.
- 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
- The solenoid valves must be used with filtered fluids.
- Solenoid valve is mounted in any position without affecting operation; vertical with coil upwards preferred.
- Standard pipe connection is Rp (ISO 7-1) and G (ISO 228-1) 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
On request; Explosion proof coil
Specify coil voltage with order

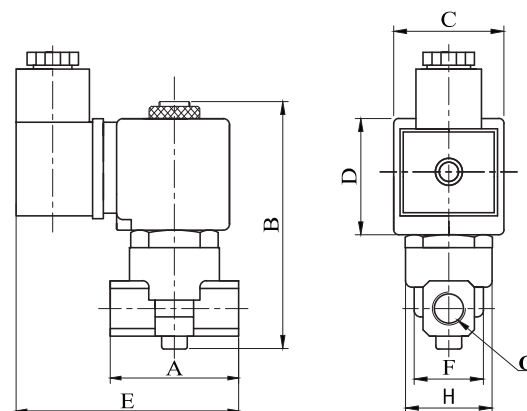
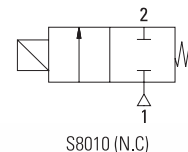
MATERIALS IN CONTACT WITH FLUID

Body : Brass
Internal Parts : Stainless Steel
Sealing : NBR
Shading Ring : Copper
Seats : Brass
Core Tube : Stainless Steel
Springs : Stainless Steel
On request; nickel plated body
On request; body and internal parts can be Stainless Steel.

TECHNICAL FEATURES

Max Viscosity : 5°E (~37cSt or mm²/s)
Response Time : Opening Time:30 ms, Closing Time:30 ms
Maximum Allowable Pressure:15 bar

Normally Closed



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	

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-GG	S8010		mm	bar	bar	lt/min	min	°C max		(kg)
T-GG 100.4	S8010.00.040	1/8"	4	0	9	6.4	-10	80	NBR	0.36
T-GG 101.4	S8010.01.040	1/4"	4	0	9	6.4	-10	80	NBR	0.35

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

B

GENERAL FEATURES

- **Small body size.**
- **Suitable for natural gas, LPG, methane, propane, butane, city gas, air, non-corrosive gases (number 3 gas group) that are compatible with the construction materials used in the valves.**
- Working Temperature: -10°C / +80°C
- **Don't require any differential pressure**
- Compact and low weight valve enabling easy and quick installation
- Maximum Allowable Pressure: 1 bar
- Connection Size 1/8" and 1/4"
- High reliability, quality and performance; long life, corrosion resistance
- Wide range of flow rate and orifice options
- Response Time: Opening Time: 30 ms, Closing Time: 30 ms
- On request; solenoid valve can have 1 mounting hole at the bottom of the body.
- 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 Rp (ISO 7-1) and G (ISO 228-1) on request; other pipe connections are available (NPT (ANSI 1.20.3))

Normally Closed



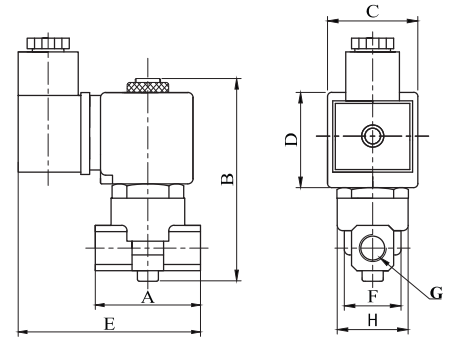
ELECTRICAL CHARACTERISTICS

- 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 or aluminium
- Internal Parts : Stainless Steel
- Sealing : NBR
- Shading Ring : Copper
- Seats : Brass or aluminium
- Core Tube : Stainless Steel
- Springs : Stainless Steel



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	

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure		KV	Fluid Temperature		Seal	Weight
				min	max		min	max		
T-GVD	S8080		mm	bar	bar	lt/min	°C			(kg)
T-GVD 100	S8080.00.018	1/8"	1.8	0	1	1.6	-10 80	NBR	0.36	
T-GVD 100.2,5	S8080.00.025	1/8"	2.5	0	1	3.2	-10 80	NBR	0.36	
T-GVD 100.3	S8080.00.030	1/8"	3	0	1	4.6	-10 80	NBR	0.36	
T-GVD 100.4	S8080.00.040	1/8"	4	0	1	6.4	-10 80	NBR	0.36	
T-GVD 100.5	S8080.00.050	1/8"	5	0	1	9.2	-10 80	NBR	0.36	
T-GVD 100.6	S8080.00.060	1/8"	6	0	1	11	-10 80	NBR	0.36	
T-GVD 101	S8080.01.018	1/4"	1.8	0	1	1.6	-10 80	NBR	0.35	
T-GVD 101.2,5	S8080.01.025	1/4"	2.5	0	1	3.2	-10 80	NBR	0.35	
T-GVD 101.3	S8080.01.030	1/4"	3	0	1	4.6	-10 80	NBR	0.35	
T-GVD 101.4	S8080.01.040	1/4"	4	0	1	6.4	-10 80	NBR	0.35	
T-GVD 101.5	S8080.01.050	1/4"	5	0	1	9.2	-10 80	NBR	0.35	
T-GVD 101.6	S8080.01.060	1/4"	6	0	1	11	-10 80	NBR	0.35	
T-GVD 101.7	S8080.01.070	1/4"	7	0	1	12.4	-10 80	NBR	0.35	

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

GENERAL FEATURES

- **TORK series S8013 direct acting gas solenoid valves are 2/2 way normally closed and have small body size.**
- **High working pressure for connections 1/8" and 1/4"**
- **Suitable for natural gas, LPG, methane, propane, butane, city gas, air, non-corrosive gases (number 3 gas group) that are compatible with the construction materials used in the valves.**
- Working Temperature: -10°C / +160°C
- **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).
- 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 Rp (ISO 7-1) and G (ISO 228-1) 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
 On request; Explosion proof coil
 Specify coil voltage with order

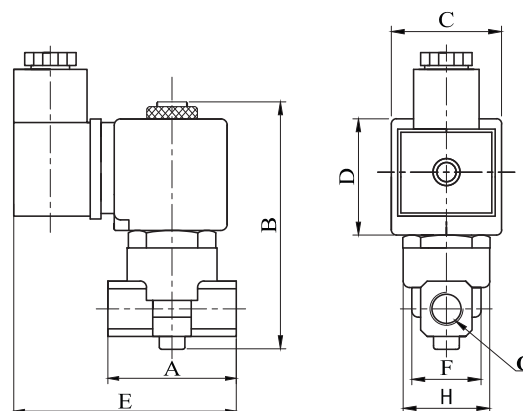
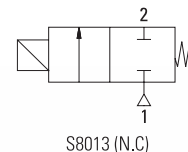
MATERIALS IN CONTACT WITH FLUID

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; body and internal parts can be Stainless Steel.

TECHNICAL FEATURES

Max Viscosity : 5°E (~37cSt or mm²/s)
 Response Time : Opening Time:30 ms, Closing Time:30 ms
 Maximum Allowable Pressure:100 bar

Normally Closed



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	

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure min / max		KV	Fluid Temperature		Seal	Weight
				mm	bar		bar	lt/min		
T-GGH	S8013		mm	bar	bar	lt/min	min	max		(kg)
T-GGH 100.1	S8013.00.010	1/8"	1	1	100	0.6	-10	80	NBR	0.36
T-GGH 100.1,8	S8013.00.018	1/8"	1.8	1	50	1.6	-10	80	NBR	0.36
T-GGH 100.2,5	S8013.00.025	1/8"	2.5	1	20	3.2	-10	80	NBR	0.36
T-GGH 101.1	S8013.01.010	1/4"	1	1	100	0.6	-10	80	NBR	0.35
T-GGH 101.1,8	S8013.01.018	1/4"	1.8	1	50	1.6	-10	80	NBR	0.35
T-GGH 101.2,5	S8013.01.025	1/4"	2.5	1	20	3.2	-10	80	NBR	0.35

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

- **New design**
- **TORK series S8073 direct acting gas solenoid valves are 2/2 way normally closed and have small body size.**
- **Suitable for natural gas, LPG, methane, propane, butane, city gas, air, non-corrosive gases (number 3 gas group) that are compatible with the construction materials used in the valves.**
- Working Temperature: -10°C / +80°C
- **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
- 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 Rp (ISO 7-1) and G (ISO 228-1) 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
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 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)
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 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
 On request; Explosion proof coil
 Specify coil voltage with order

MATERIALS IN CONTACT WITH FLUID

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

TECHNICAL FEATURES

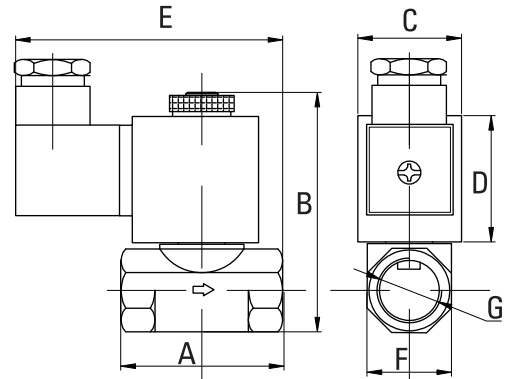
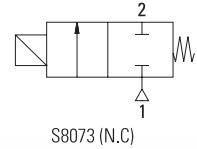
Max Viscosity : 5°E (~37cSt or mm²/s)
 Response Time : Opening Time:30 ms, Closing Time:30 ms
 Maximum Allowable Pressure:30 bar
 Fluid Temperature for FPM (VITON) from -10°C; +160°C

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure min / max		KV	Fluid Temperature		Seal	Weight
				mm	bar		bar	lt/min		
T-DPV	S8073									
T-DPV 102.3	S8073.02.030	3/8"	3	0	10	4.6	-10	80	NBR	0.4
T-DPV 102.4	S8073.02.040	3/8"	4	0	9	6.4	-10	80	NBR	0.4
T-DPV 102.5	S8073.02.050	3/8"	5	0	7	9.2	-10	80	NBR	0.4
T-DPV 103.3	S8073.03.030	1/2"	3	0	10	4.6	-10	80	NBR	0.38
T-DPV 103.4	S8073.03.040	1/2"	4	0	9	6.4	-10	80	NBR	0.38
T-DPV 103.5	S8073.03.050	1/2"	5	0	7	9.2	-10	80	NBR	0.38

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

Normally Closed



Dimensions (mm)

G	A	B	C	D	E	F
3/8"	50	73	32	39	82.5	26.5
1/2"	50	73	32	39	82.5	26.5

GENERAL FEATURES

- **Small body size.**
- **Suitable for natural gas, LPG, methane, propane, butane, city gas, air, non-corrosive gases (number 3 gas group) that are compatible with the construction materials used in the valves.**
- Connection Size 3/8" and 1/2"
- Working Temperature:-10°C / +80°C
- **Don't require any differential pressure**
- Compact and low weight valve enabling easy and quick installation
- Maximum Allowable Pressure:1 bar
- High reliability, quality and performance; long life, corrosion resistance
- Wide range of flow rate and orifice options
- Response Time:Opening Time:30 ms, Closing Time :30 ms
- On request; solenoid valve can have 1 mounting holes at the bottom of the body.
- 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 Rp (ISO 7-1) and G (ISO 228-1) on request; other pipe connections are available (NPT (ANSI 1.20.3))

ELECTRICAL CHARACTERISTICS

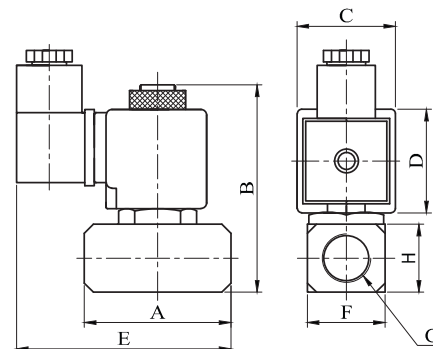
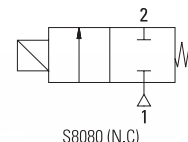
- Continuous Duty :ED %100
- Coil Insulation Class :H (180°C)
- Coil Impregnation :Polyester Fiber Glass
- Coil Encapsulation Material :Fiber Glass Reinforced
- Ambient Temperature :from -10°C; +60°C
- Protection Degree :IP 65 (EN 60529) with coil duly fitted with the plug connector
- Electric Plug Connection :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 or aluminium
- Internal Parts :Stainless Steel
- Sealing :NBR
- Shading Ring :Copper
- Seats :Brass or aluminium
- Core Tube :Stainless Steel
- Springs :Stainless Steel

Normally Closed



Dimensions (mm)

	G	A	B	C	D	E	F	H
3/8"	50	80.5	32	38.9	79.5	25	25	
1/2"	50	80.5	32	38.9	79.5	28	28	

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure min / max		KV	Fluid Temperature		Seal	Weight
				mm	bar		bar	min		
T-GVD	S8080									(kg)
T-GVD 102.5	S8080.02.050	3/8"	5	0	1	9.2	-10	80	NBR	0.48
T-GVD 102.6	S8080.02.060	3/8"	6	0	1	11	-10	80	NBR	0.48
T-GVD 102.7	S8080.02.070	3/8"	7	0	1	12.4	-10	80	NBR	0.48
T-GVD 102.8	S8080.02.080	3/8"	8	0	1	13.5	-10	80	NBR	0.48
T-GVD 102.9	S8080.02.090	3/8"	9	0	1	16	-10	80	NBR	0.48
T-GVD 102.10	S8080.02.100	3/8"	10	0	1	19	-10	80	NBR	0.48
T-GVD 103.5	S8080.03.050	1/2"	5	0	1	9.2	-10	80	NBR	0.47
T-GVD 103.6	S8080.03.060	1/2"	6	0	1	11	-10	80	NBR	0.47
T-GVD 103.7	S8080.03.070	1/2"	7	0	1	12.4	-10	80	NBR	0.47
T-GVD 103.8	S8080.03.080	1/2"	8	0	1	13.5	-10	80	NBR	0.47
T-GVD 103.9	S8080.03.090	1/2"	9	0	1	16	-10	80	NBR	0.47
T-GVD 103.10	S8080.03.100	1/2"	10	0	1	19	-10	80	NBR	0.47

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

GENERAL FEATURES

- **New design**
- **TORK series S8085 direct acting gas solenoid valves are 2/2 way normally closed**
- **Suitable for natural gas, LPG, methane, propane, butane, city gas, air, non-corrosive gases (number 3 gas group) that are compatible with the construction materials used in the valves.**
- Working Temperature: -10°C / +80°C
- **Don't require any differential 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 Rp (ISO 7-1) and G (ISO 228-1) on request; other pipe connections are available (NPT (ANSI 1.20.3))
- Response time: Less than 1 second

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)
 Standard Voltages : For AC 220V
 Other voltages on request;
 Voltage Tolerances : For AC %-15; %+10, For DC %-5; %+10
 Frequency : 50 Hz, other frequencies on request; (60 Hz)
 Specify coil voltage with order

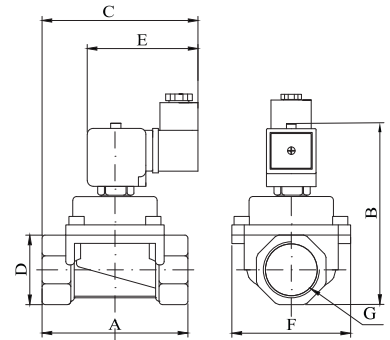
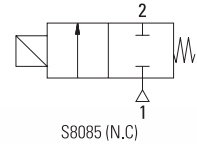
MATERIALS IN CONTACT WITH FLUID

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

TECHNICAL FEATURES

Max Viscosity : 5°E (-37cSt or mm²/s)
 Response Time : Opening Time:30 ms, Closing Time:30 ms
 Maximum Allowable Pressure:1 bar
 Fluid Temperature for FPM (VITON) from -10°C; +160°C

Normally Closed



Dimensions (mm)

	G	A	B	C	D	E	F
3/8"	86	132	101	41	75.5	70	
1/2"	86	132	101	41	75.5	70	
3/4"	86	132	101	41	75.5	70	
1"	86	132	101	41	75.5	70	

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure min / max		Q	Fluid Temperature		Seal	Weight
				bar	bar		min	max		
T-GVR	S8085		mm	bar	bar	m³/h	°C			(kg)
T-GVR 802	S8085.02	3/8"	24	0	0.5	10	-10	80	NBR	0.62
T-GVR 803	S8085.03	1/2"	24	0	0.5	14	-10	80	NBR	0.61
T-GVR 804	S8085.04	3/4"	24	0	0.5	32	-10	80	NBR	0.6
T-GVR 805	S8085.05	1"	24	0	0.5	38	-10	80	NBR	0.53

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° : 89,6 F
 Sealings: NBR : Nitrile-Butylene Elastomer

Note: Flow rate is ΔP = 10 mbar measurement (for natural gas)

GENERAL FEATURES

- TORK series S8010 diaphragm gas solenoid valves are 2/2 way normally closed and pilot operated
- Suitable for natural gas, LPG, methane, propane, butane, city gas, air, non-corrosive gases (number 3 gas group) that are compatible with the construction materials used in the valves.
- Working Temperature: -10°C / +80°C
- 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
- 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 Rp (ISO 7-1) and G (ISO 228-1) 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
 On request; Explosion proof coil
 Specify coil voltage with order

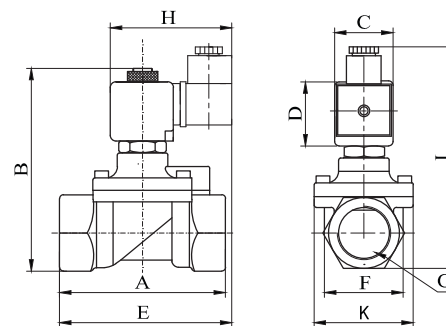
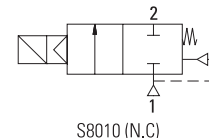
MATERIALS IN CONTACT WITH FLUID

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; body and internal parts can be Stainless Steel.

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



Dimensions (mm)

	G	A	B	C	D	E	F	K	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
				bar	bar		min	°C max		
T-GG	S8010		mm			lt/min				(kg)
T-GG 102	S8010.02	3/8"	12.5	1	16	48	-10	80	NBR	0.68
T-GG 103	S8010.03	1/2"	14.5	1	16	70	-10	80	NBR	0.71
T-GG 104	S8010.04	3/4"	17	1	16	85	-10	80	NBR	0.8
T-GG 105	S8010.05	1"	17	1	16	90	-10	80	NBR	0.97

Useful Informations

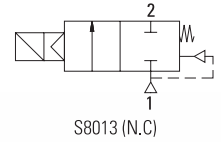
1 bar:14,5 PSI:10 mH₂O:10 N/cm²:1 kg/cm²:100000 Pa, 1 PSI:69 mbar,1 m³/h:4,405 GPM:16,7 L/d 1 Gallon / minute:0,227 m³/h, 0°C:89,6 F
 Sealings:NBR:Nitrile-Butylene Elastomer

B

GENERAL FEATURES

- **TORK series S8013 diaphragm gas solenoid valves are 2/2 way normally closed and pilot operated**
- **High working pressure for connections 3/8", 1/2", 3/4" and 1"**
- **Suitable for natural gas, LPG, methane, propane, butane, city gas, air, non-corrosive gases (number 3 gas group) that are compatible with the construction materials used in the valves.**
- Working Temperature: -10°C / +160°C
- 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).
- 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 Rp (ISO 7-1) and G (ISO 228-1) 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
- On request; Explosion proof coil
- Specify coil voltage with order

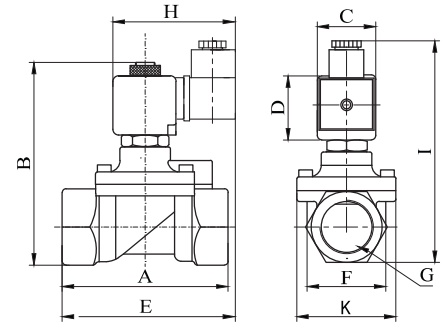


MATERIALS IN CONTACT WITH FLUID

- 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; body and internal parts can be Stainless Steel.

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 : 60 bar



Dimensions (mm)

	G	A	B	C	D	E	F	K	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
				bar	bar		min	°C max		
T-GGH1	S8013		mm	bar	bar	lt/min	min	°C max		(kg)
T-GGH1 102	S8013.02	3/8"	12.5	0.5	40	48	-10	80	NBR	0.69
T-GGH1 103	S8013.03	1/2"	12.5	0.5	40	65	-10	80	NBR	0.73
T-GGH1 104	S8013.04	3/4"	12.5	0.5	40	72	-10	80	NBR	0.81
T-GGH1 105	S8013.05	1"	12.5	0.5	40	76	-10	80	NBR	0.98

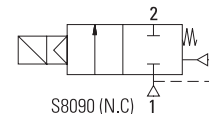
Useful Informations

1 bar:14,5 PSI:10 mHzO: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

GENERAL FEATURES

- **Explosion proof solenoid valves for use in zone 1 and zone 2**
- **Low coil power (6W for DC , 8,5VA form AC) and current**
- **Suitable for gasoline**
- Working Temperature:-10°C / +80°C
- Not suitable for use with dangerous fluids listed in Group 1
- Minimum operating differential pressure 0,35 bar
- 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
- 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 Rp (ISO 7-1) and G (ISO 228-1) on request; other pipe connections are available (NPT (ANSI 1.20.3))

Normally Closed



ELECTRICAL CHARACTERISTICS

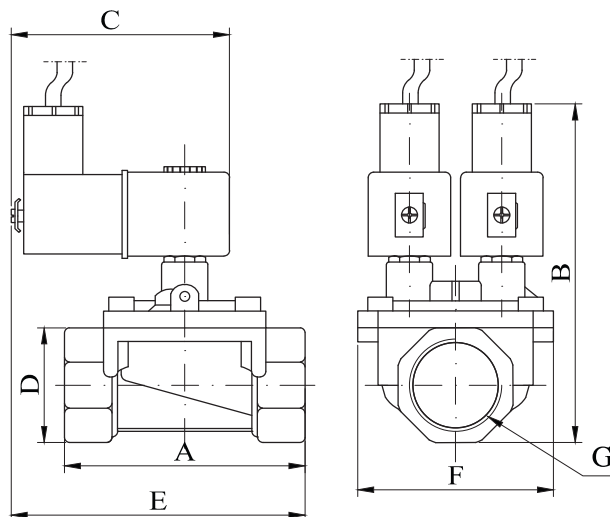
- Continuous Duty : ED %100
 Coil Insulation Class : H (180°C)
 Coil Impregnation : Fiber Glass Reinforced or PP-V0 (Self-Extinguishing Polypropilene)
 Coil Encapsulation Material : Fiber Glass Reinforced or PP-V0 (Self-Extinguishing Polypropilene)
 Explosionproof operator, intended for use in potentially explosive atmospheres
 Easy electrical installation by means of the cable, standard length 3 meters
- Safety mode : EEx em II T4/T5 (Max Surface Temperature:100°C -135°C,
 em:encapsulation increased safety, II:Equipment group)
- Protection Degree : IP 65 (EN 60529) with coil duly fitted with the plug connector
 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)
 Specify coil voltage with order

MATERIALS IN CONTACT WITH FLUID

- Body : Die cast aluminium
 Internal Parts : Stainless Steel and brass
 Sealing : FKM
 Shading Ring : Copper
 Core Tube : Brass
 Springs : Stainless Steel

TECHNICAL FEATURES

- Response Time : Opening Time:400 ms to ~ 1600 ms ,
 Closing Time :1000 ms to ~ 2000 ms
 Maximum Allowable Pressure:20 bar



Dimensions (mm)

G	A	B	C	D	E	F
3/4"	86	113	78	41	106	70
1"	86	113	78	41	106	70

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure min / max	KV	Fluid Temperature	Seal	Weight
T-GBZ	S8090		mm	bar bar	lt/min	°C min max		(kg)
T-GBZ 104	S8090.04	3/4"	24	0.5 10	24-53	-10 160	VITON	1.34
T-GBZ 105	S8090.05	1"	24	0.5 10	24-53	-10 160	VITON	1.32

Useful Informations

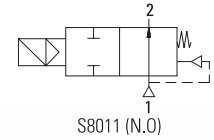
1 bar:14,5 PSI:10 mH₂O:10 N/cm²:1 kg/cm²:100000 Pa , 1 PSI:69 mbar,1 m³/h:4,405 GPM:16,7 L/d 1 Gallon / minute:0,227 m³/h, 0°C:89,6 F
 Sealings:NBR:Nitrile-Butylene Elastomer , EPDM:Ethylene-Propylene Elastomer

B

GENERAL FEATURES

- **TORK series S8011 diaphragm manual reset gas solenoid valves are 2/2 way normally open**
- **The valve is a normally open valve and manual reset and will be closed when energized**
- **Because of low electric consumption during normal operation there is no abrasion, rumble etc.. and provides electric saving**
- **For domestic application out side the house. While using with a gas alarm controller it takes the signal from the controller and stops the gas flow**
- **Suitable for Natural gas, LPG, methane, propane, butane, city gas, air, non-corrosive gases (number 3 gas group) that are compatible with the construction materials used in the valves.**
- Working Temperature : -10°C / +80°C
- **Don't require any differential pressure**
- Response Time: less than 1 second
- Maximum Allowable Pressure: 1 bar
- High reliability , quality and performance; long life, corrosion resistance
- Wide pressure ratings , range of flow rate and orifice options
- 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 Rp (ISO 7-1) and G (ISO 228-1) on request; other pipe connections are available (NPT (ANSI 1.20.3))
- With order user has to indicate coils type and voltage
- Coil Voltage should be selected 12 V DC in case the valves are used in earthquake detection equipment
- Coil Voltage should be selected 220V AC in case the valves are used with Gas Alarm equipment
- Avoid removing armature, changing coil

Normally Open



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 220V
For DC 12V

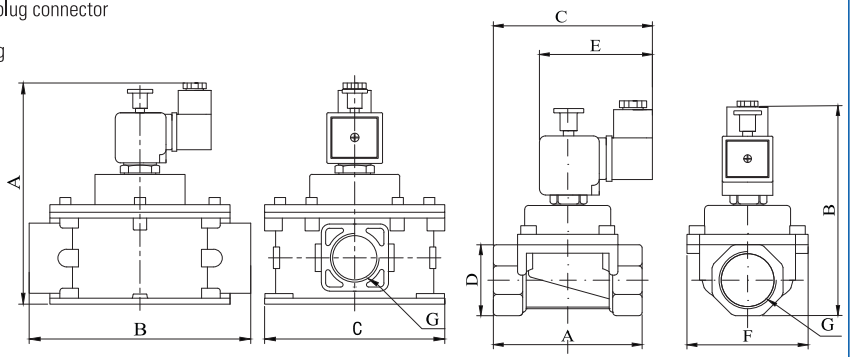
- Other voltages on request;
- Voltage Tolerances : For AC %-15 ; %+10, For DC %-5 ; %+10
- Frequency : 50 Hz, other frequencies on request; (60 Hz)
- On request; connector with LED
- Specify coil voltage with order

MATERIALS IN CONTACT WITH FLUID

- Body : Aluminium
- Internal Parts : Stainless Steel and brass
- Sealing : NBR
- Shading Ring : Copper
- Seats : Aluminium
- Core Tube : Stainless Steel
- Springs : Stainless Steel

TECHNICAL FEATURES

- Max Viscosity : 5"E (-37cSt or mm²/s)
- Response Time : Opening Time:30 ms,
Closing Time :30 ms
- Fluid Temperature for FPM (VITON)
from -10°C; +160°C



Dimensions (mm)

	G	A	B	C
1 1/4"	180	160	140	
1 1/2"	180	160	140	
2"	180	160	140	

Dimensions (mm)

	G	A	B	C	D	E	F
3/8"	86	142	101	41	75.5	70	
1/2"	86	142	101	41	75.5	70	
3/4"	86	142	101	41	75.5	70	
1"	86	142	101	41	75.5	70	

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure		Q	Fluid Temperature		Seal	Weight
				min	max		min	max		
T-GV	S8011		mm	bar	bar	m ³ /h	°C			(kg)
T-GV 802	S8011.02	3/8"	24	0	0.5	10	-10	80	NBR	0.62
T-GV 803	S8011.03	1/2"	24	0	0.5	14	-10	80	NBR	0.61
T-GV 804	S8011.04	3/4"	24	0	0.5	32	-10	80	NBR	0.6
T-GV 805	S8011.05	1"	24	0	0.5	38	-10	80	NBR	0.53
T-GV 806	S8011.06	1 1/4"	40	0	0.5	105	-10	80	NBR	1.6
T-GV 807	S8011.07	1 1/2"	40	0	0.5	125	-10	80	NBR	1.55
T-GV 808	S8011.08	2"	50	0	0.5	145	-10	80	NBR	1.7

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° : 89,6 F

Sealings: NBR : Nitrile-Butylene Elastomer

Note: Flow rate is ΔP = 10 mbar measurement (for natural gas)

GENERAL FEATURES

- TORK series S8086 diaphragm manual reset gas solenoid valves are 2/2 way normally open
- For domestic application out side the house. While using with a gas alarm controller it takes the signal from teh controller and stops the gas flow
- This product is suitable for use in 220 W AC only and is equipped with a special connector
- Suitable for Natural gas, lpg, methane, propane, butane, town gas, air, non-corrosive gases (number 3 gas group) that are compatible with the construction materials used in the valves.
- Working Temperature:-10°C / +80°C
- Don't require any differential pressure
- Response Time:less than 1 second
- Maximum Allowable Pressure:1 bar
- High reliability, quality and performance; long life, corrosion resistance
- Wide range of flow rate and orifice options
- 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 Rp (ISO 7-1) and G (ISO 228-1) on request; other pipe connections are available (NPT (ANSI 1.20.3))

Normally Open



ELECTRICAL CHARACTERISTICS

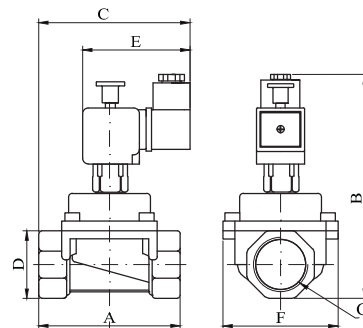
- Continuous Duty : ED %100
- Coil Insulation Class : H (180°C)
- Coil Impregnation : Polyester Fiber Glass
- Coil Encapsulation Material : Fiber Glass Reinforced
- Ambient Temperature : from -10°C; +60°C
- Protection Degree : IP 65 (EN 60529) with coil duly fitted with the plug connector
- Electric 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 230V
- 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

MATERIALS IN CONTACT WITH FLUID

- Body : Aluminium
- Internal Parts : Stainless Steel and brass
- Sealing : NBR
- Shading Ring : Copper
- Seats : Aluminium
- Core Tube : Stainless Steel
- Springs : Stainless Steel

TECHNICAL FEATURES

- Max Viscosity : 5°E (-37cSt or mm²/s)
- Response Time : Opening Time:30 ms, Closing Time :30 ms
- Fluid Temperature for FPM from -10°C; +160°C



Dimensions (mm)

	G	A	B	C	D	E	F
3/8"	86	151	101	41	75.5	70	
1/2"	86	151	101	41	75.5	70	
3/4"	86	151	101	41	75.5	70	
1"	86	151	101	41	75.5	70	

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure min / max		Q	Fluid Temperature		Seal	Weight
				bar	bar		min °C	max		
T-GVC	S8086		mm			m ³ /h				
T-GVC 802	S8086.02	3/8"	24	0	0.5	10	-10	80	NBR	0.85
T-GVC 803	S8086.03	1/2"	24	0	0.5	14	-10	80	NBR	0.83
T-GVC 804	S8086.04	3/4"	24	0	0.5	32	-10	80	NBR	0.8
T-GVC 805	S8086.05	1"	24	0	0.5	38	-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

Note: Flow rate is ΔP = 10 mbar measurement (for natural gas)

B

GENERAL FEATURES

- TORK series S8079 diaphragm flanged manual reset gas solenoid valves are 2/2 way normally open
- It is solenoid valves that normally open, manual reset and will be closed when energized
- Because of not to electric consumption during normal operation there is no abrasion, rumble etc. and provides electric saving
- For domestic application outside the house while using with a gas alarm controller it takes the signal from the controller and stops the gas flow
- Suitable Natural gas, LPG, methane, propane, butane, town gas, air, non-corrosive gases (number 3 gas group) that are compatible with the construction materials used in the valves.
- Working Temperature: -10°C / +80°C
- Don't require any differential pressure
- Response Time: less than 1 second
- Maximum Allowable Pressure: 1 bar
- High reliability, quality and performance; long life, corrosion resistance
- Wide pressure ratings, range of flow rate and orifice options
- 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 Rp (ISO 7-1) and G (ISO 228-1) on request; other pipe connections are available (NPT (ANSI 1.20.3))

Normally Open



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

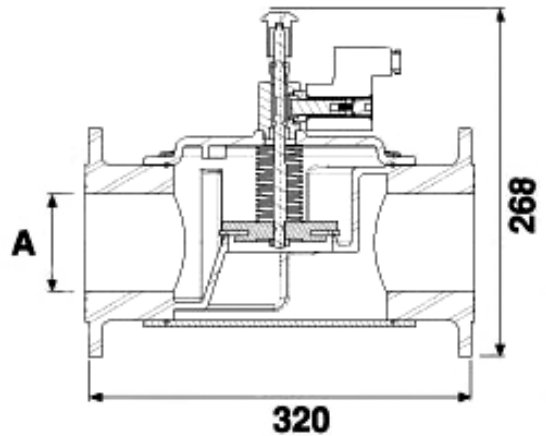
- Other voltages on request;
- Voltage Tolerances : For AC -15%; +10%, For DC -5%; +10%
- Frequency : 50 Hz, other frequencies on request; (60 Hz)
- On request; connector with LED
- Specify coil voltage with order

MATERIALS IN CONTACT WITH FLUID

- Body : Aluminium
- Internal Parts : Stainless Steel and brass
- Sealing : NBR
- Shading Ring : Copper
- Seats : Aluminium
- Core Tube : Stainless Steel
- Springs : Stainless Steel

TECHNICAL FEATURES

- Max Viscosity : 5°E (~37cSt or mm²/s)
- Response Time : Opening Time:30 ms, Closing Time :30 ms
- Fluids Temperature for FPM : from -10°C; +160°C



Dimensions (mm)

A	
DN65	21/2"
DN80	3"
DN100	4"

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure		Q	Fluid Temperature		Seal	Weight
				min	max		min	max		
T-GVF	S8079		mm	bar	bar	m ³ /h	°C			(kg)
T-GVF 809	S8079.09	21/2"	65	0	1	300	-10	80	NBR	6.5
T-GVF 810	S8079.10	3"	80	0	1	450	-10	80	NBR	6.9
T-GVF 812	S8079.12	4"	100	0	1	600	-10	80	NBR	12

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

Note: Flow rate is ΔP = 10 mbar measurement (for natural gas)