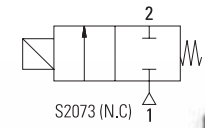


GENERAL FEATURES

- **New design**
- **Especially for overheated water and steam**
- **Very small body size**
- **Suitable for non-aggressive liquids, gaseous fluids**
- Working Temperature: -10°C / +160°C
- Not suitable for use with dangerous fluids listed in Group 1
- **Don't require any differential pressure to operate**
- 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).
- Some applications; laundry, auto claves, dry cleaning, sterilizers, ironing machines
- 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))

NEW
Small Body

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

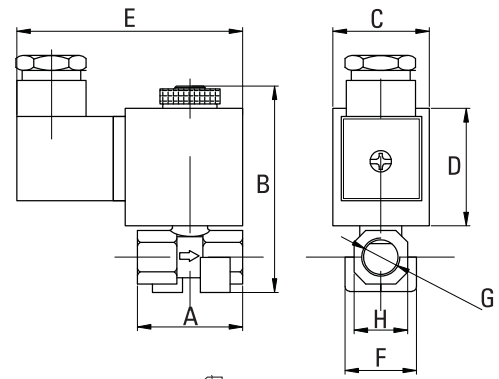
- Other voltages on request;
- Voltage Tolerances : For AC -15%; +10%, For DC -5%; +10%
- Frequency : 50 Hz, other frequencies on request; (60 Hz)
- On request; connector with LED
- Specify coil voltage with order

MATERIALS IN CONTACT WITH FLUIDS

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

TECHNICAL FEATURES

- Max Viscosity : 5°E (~37cSt or mm²/s)
- Response Time : Opening Time:30 ms,
Closing Time : 30 ms
- Maximum Allowable Pressure: 5 bar
- Fluid Temperature for EPDM from -10°C; 140°C



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		KV	Fluid Temperature		Seal	Weight
				min	max		min	max		
T-BT	S2073	G	mm	bar	bar	lt/min	°C			(kg)
T-BT 200	S2073.00.018	1/8"	1.8	0	5	1.6	-10	160	VITON	0.31
T-BT 200.2,5	S2073.00.025	1/8"	2.5	0	5	3.2	-10	160	VITON	0.31
T-BT 200.3	S2073.00.030	1/8"	3	0	5	4.6	-10	160	VITON	0.31
T-BT 200.4	S2073.00.040	1/8"	4	0	5	6.4	-10	160	VITON	0.31
T-BT 200.4,5	S2073.00.045	1/8"	4.5	0	5	7.5	-10	160	VITON	0.31
T-BT 201	S2073.01.018	1/4"	1.8	0	5	1.6	-10	160	VITON	0.3
T-BT 201.2,5	S2073.01.025	1/4"	2.5	0	5	3.2	-10	160	VITON	0.3
T-BT 201.3	S2073.01.030	1/4"	3	0	5	4.6	-10	160	VITON	0.3
T-BT 201.4	S2073.01.040	1/4"	4	0	5	6.4	-10	160	VITON	0.3
T-BT 201.4,5	S2073.01.045	1/4"	4.5	0	5	7.5	-10	160	VITON	0.3

Useful Informations

1 bar: 14,5 PSI; 10 N/m²; 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, 2 bar steam: 133°C , 3 bar steam: 144 °C, 4 bar steam: 151°C, 5 bar steam: 160°C, 6 bar steam: 165°C
Sealings: EPDM: Ethylene-Propylene Elastomer, FPM (VITON): Fluoro-Carbon Elastomer

B

GENERAL FEATURES

- **Small body size.**
- **Especially for overheated water and steam**
- **Suitable for liquids and gaseous fluids**
- 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; laundry, auto claves, dry cleaning, sterilizers, ironing machines
- 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

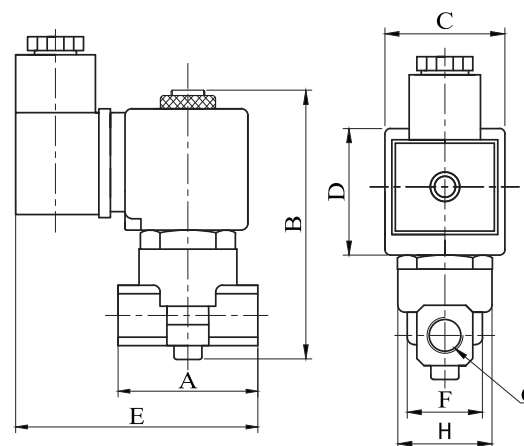
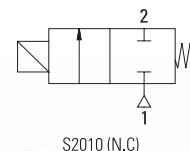
MATERIALS IN CONTACT WITH FLUIDS

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 EPDM
 On request; seat Stainless Steel (for overheated water and steam)

TECHNICAL FEATURES

Max Viscosity : 5°E (-37cSt or mm²/s)
 Response Time : Opening Time :30 ms,
 Closing Time: 30 ms
 Maximum Allowable Pressure : 5 bar
 Fluid Temperature for EPDM from -10°C; +140°C

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-B	S2010	G	mm	bar	bar	lt/min	min °C	max		(kg)
T-B 200	S2010.00.018	1/8"	1.8	0	5	1.6	-10	160	VITON	0.36
T-B 200.2,5	S2010.00.025	1/8"	2.5	0	5	3.2	-10	160	VITON	0.36
T-B 200.3	S2010.00.030	1/8"	3	0	5	4.6	-10	160	VITON	0.36
T-B 201	S2010.01.018	1/4"	1.8	0	5	1.6	-10	160	VITON	0.35
T-B 201.2,5	S2010.01.025	1/4"	2.5	0	5	3.2	-10	160	VITON	0.35
T-B 201.3	S2010.01.030	1/4"	3	0	5	4.6	-10	160	VITON	0.35

Useful Informations

1 bar: 14,5 PSI: 10 mH₂O: 10 N/cm²: 1 kg/cm²: 10000 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, 2 bar steam: 133°C , 3 bar steam: 144 °C, 4 bar steam: 151°C, 5 bar steam: 160°C, 6 bar steam: 165°C
 Sealings: FPM (VITON) : Fluoro-Carbon Elastomer, EPDM : Ethylene-Propylene Elastomer

GENERAL FEATURES

- Small body size.
- Inlet from bottom of the body
- Including flow regulation manual override for setting flow rate
- Especially for overheated water and steam
- Suitable for liquids and gaseous fluids
- Working Temperature: -10°C / +160°C
- Not suitable for use with dangerous fluids listed in Group 1
- Don't require any differential pressure to operate
- Compact and low weight valve enabling easy 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.
- TORK solenoid valves satisfy relevant 97/23/EC, Pressure Equipment Directive (PED) and 2006/95/EEC Low Voltage Directive (LVD).
- Some applications; laundry, auto clothes, dry cleaning, sterilizers, ironing machines
- 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

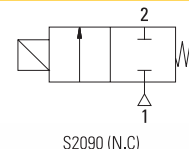
MATERIALS IN CONTACT WITH FLUIDS

- 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

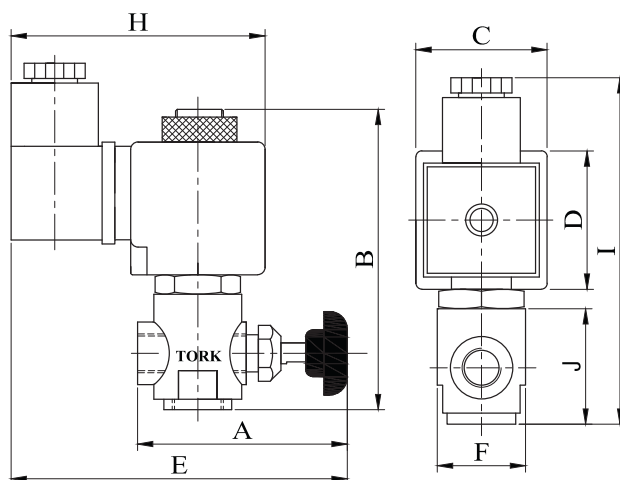
TECHNICAL FEATURES

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

Normally Closed



Manual Override



Dimensions (mm)

G	A	B	C	D	E	F	J	H	I
1/8"	62	86.6	32	38	93.1	24.8	33.6	73.5	99.4
1/4"	62	86.6	32	38	93.1	24.8	33.6	73.5	99.4

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-BR	S2090	G	mm	bar	bar	lt/min	min °C	max		(kg)
T-BR 200	S2090.00.030	1/8"	3	0	5	4.6	-10	160	VITON	0.4
T-BR 201	S2090.01.030	1/4"	3	0	5	4.6	-10	160	VITON	0.39

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, 2 bar steam: 133°C , 3 bar steam: 144 °C, 4 bar steam: 151°C, 5 bar steam: 160°C, 6 bar steam: 165°C
Sealings:FPM (VITON);Fluoro-Carbon Elastomer

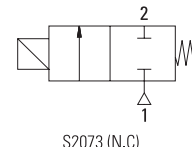
B

GENERAL FEATURES

- **New design**
- **Especially for overheated water and steam**
- **Small body size.**
- **Suitable for non-aggressive liquids, gaseous fluids**
- 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
- 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; laundry, auto claves, dry cleaning, sterilizers, ironing machines
- 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))

NEW

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

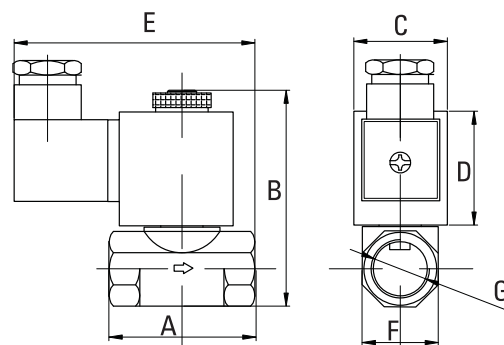
Other voltages on request;
 Voltage Tolerances : For AC -15%; +10%, For DC -5%; +10%
 Frequency : 50 Hz, other frequencies on request; (60 Hz)
 On request; connector with LED
 Specify coil voltage with order

MATERIALS IN CONTACT WITH FLUIDS

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

TECHNICAL FEATURES

Max Viscosity : 5°E (~37cSt or mm²/s)
 Response Time : Opening Time :30 ms, Closing Time: 30 ms
 Maximum Allowable Pressure : 5 bar
 Fluid Temperature for EPDM from -10°C; 140°C



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	26.7

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-BT	S2073	G	mm	bar	bar	lt/min	min °C	max		(kg)
T-BT 202.3	S2073.02.030	3/8"	3	0	5	4.6	-10	160	VITON	0.4
T-BT 202.4	S2073.02.040	3/8"	4	0	5	6.4	-10	160	VITON	0.4
T-BT 202.5	S2073.02.050	3/8"	5	0	5	9.2	-10	160	VITON	0.4
T-BT 203.3	S2073.03.030	1/2"	3	0	5	4.6	-10	160	VITON	0.38
T-BT 203.4	S2073.03.040	1/2"	4	0	5	6.4	-10	160	VITON	0.38
T-BT 203.5	S2073.03.050	1/2"	5	0	5	9.2	-10	160	VITON	0.38

Useful Informations

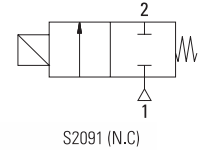
1 bar: 14,5 PSI: 10 N/mH₂O: 10 N/cm²: 1 kg/cm²: 100000 Pa , 1 PSI: 69 mbar, 1 m³/h: 4.405 GPM: 16,7 L/d 1 Gallon / minute: 0,227 m³/h, 0°C: 89,6 F, 2 bar steam: 133°C , 3 bar steam: 144 °C, 4 bar steam: 151°C, 5 bar steam: 160°C, 6 bar steam: 165°C
 Sealings: EPDM : Ethylene-Propylene Elastomer, FPM (VITON) : Fluoro-Carbon Elastomer

GENERAL FEATURES

- Small body size.
- Especially for overheated water and steam
- With cooling neck. By this way, the effect of the fluid's temperature on the coil is reduced
- Suitable for liquids and gaseous fluids
- Working Temperature:-10°C / +160°C
- Not suitable for use with dangerous fluids listed in Group 1
- Don't require any differential pressure
- Easy 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.
- TORK solenoid valves satisfy relevant 97/23/EC, Pressure Equipment Directive (PED) and 2006/95/EEC Low Voltage Directive (LVD).
- Some applications; laundry, auto claves, dry cleaning, sterilizers, ironing machines
- 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))

High Temperature

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

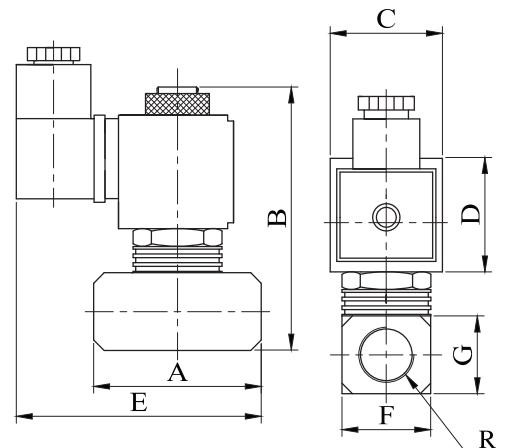


MATERIALS IN CONTACT WITH FLUIDS

- 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:5 bar



Dimensions (mm)

R	A	B	C	D	E	F	G
3/8"	50	87	32	38.9	79.5	25	25
1/2"	50	87	32	38.9	79.5	25	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-BHD	S2091	G	mm	bar	bar	lt/min	min	°C max		(kg)
T-BHD 202	S2091.02.050	3/8"	5	0	5	9.2	-10	160	VITON	0.56
T-BHD 203	S2091.03.050	1/2"	5	0	5	9.2	-10	160	VITON	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°C: 89,6 F, 2 bar steam: 133°C , 3 bar steam: 144 °C, 4 bar steam: 151°C, 5 bar steam: 160°C, 6 bar steam: 165°C
Sealings:FPM (VITON);Fluoro-Carbon Elastomer

B

GENERAL FEATURES

- **TORK series S2092 direct acting nickel plated steam solenoid valves are 2/2 way normally closed and have small body size.**
- **Especially for overheated water and steam**
- **With cooling neck. By this way, the effect of the fluids temperature on the coil is reduced**
- **Suitable for liquids and gaseous fluids**
- Working Temperature: -10°C / +160°C
- Not suitable for use with dangerous fluids listed in Group 1
- **Don't require any differential pressure**
- Easy 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.
- 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

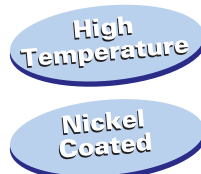
Other voltages on request;
 Voltage Tolerances : For AC -15%; +10%, For DC -5%; +10%
 Frequency : 50 Hz, other frequencies on request; (60 Hz)
 On request; connector with LED
 Specify coil voltage with order

MATERIALS IN CONTACT WITH FLUID

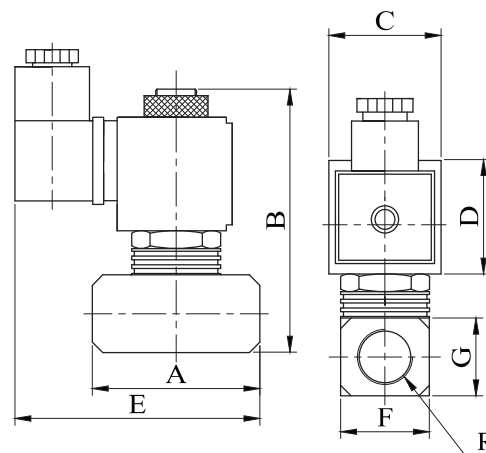
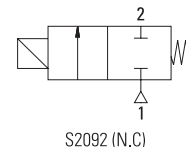
Body : Nickel Plated Brass
 Internal Parts : Stainless Steel
 Sealing : FPM (VITON)
 Shading Ring : Copper
 Seats : Brass
 Core Tube : Stainless Steel
 Springs : Stainless Steel
 On request; body and internal parts can be Stainless Steel.
 On request; seat Stainless Steel (for overheated water and steam)

TECHNICAL FEATURES

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



Normally Closed



Dimensions (mm)

	R	A	B	C	D	E	F	G
3/8"	50	87	32	38.9	79.5	25	25	
1/2"	50	87	32	38.9	79.5	25	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-BHDK	S2092	G	mm	bar	bar	lt/min	min °C	max		(kg)
T-BHDK 202	S2092.02.050	3/8"	5	0	5	9.2	-10	160	VITON	0.6
T-BHDK 203	S2092.03.050	1/2"	5	0	5	9.2	-10	160	VITON	0.56

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, 2 bar steam: 133°C , 3 bar steam: 144 °C, 4 bar steam: 151°C, 5 bar steam: 160°C, 6 bar steam: 165°C
 Sealings:FPM (VITON):Fluoro-Carbon Elastomer

GENERAL FEATURES

- Small body size.
- New design, internal exhaust system
- Especially for overheated water and steam
- Suitable for liquids and gaseous fluids that
- 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; laundry, auto claves, dry cleaning, sterilizers, ironing machines
- 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 FLUIDS

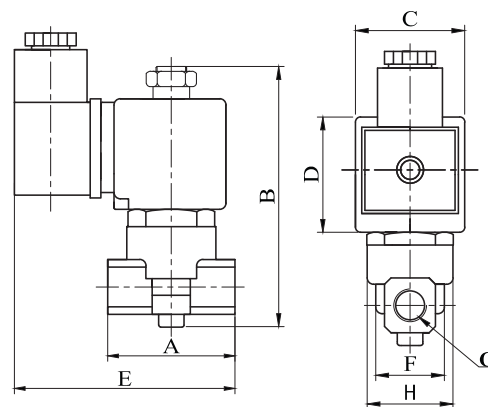
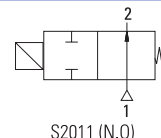
Body : Brass
 Internal Parts : Stainless Steel
 Sealing : FPM (VITON)
 Shading Ring : Copper
 Seats : Brass
 Core Tube : Stainless Steel
 Springs : Stainless Steel
 On request; nickel plated body

TECHNICAL FEATURES

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

NEW

Normally Open



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-BN	S2011	G	mm	bar	bar	lt/min	min	max		(kg)
T-BN 200	S2011.00.018	1/8"	1.8	0	5	1.6	-10	160	VITON	0.38
T-BN 200.2,5	S2011.00.025	1/8"	2.5	0	5	3.2	-10	160	VITON	0.38
T-BN 200.3	S2011.00.030	1/8"	3	0	5	4.6	-10	160	VITON	0.38
T-BN 201	S2011.01.018	1/4"	1.8	0	5	1.6	-10	160	VITON	0.37
T-BN 201.2,5	S2011.01.025	1/4"	2.5	0	5	3.2	-10	160	VITON	0.37
T-BN 201.3	S2011.01.030	1/4"	3	0	5	4.6	-10	160	VITON	0.37

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, 2 bar steam: 133°C , 3 bar steam: 144 °C, 4 bar steam: 151°C, 5 bar steam: 160°C, 6 bar steam: 165°C
 Sealings: FPM (VITON) : Fluoro-Carbon Elastomer

B

GENERAL FEATURES

- Especially for overheated water and steam
- Suitable for liquids and gaseous fluids that
- Working Temperature : -10°C / +140°C and 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; laundry, auto claves, dry cleaning, sterilizers, ironing machines
- 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

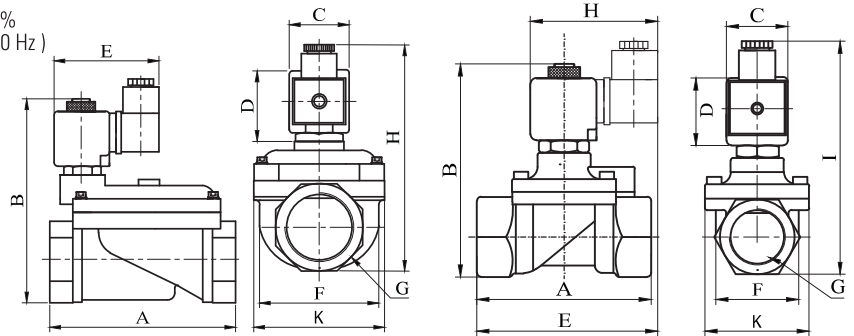
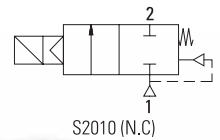
MATERIALS IN CONTACT WITH FLUIDS

Body : Brass
Internal Parts : Stainless Steel and brass
Sealing : PTFE (for 3/8", 1/2", 3/4", 1") and EPDM (for 11/4", 11/2", 2")
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 : 5 bar
Fluid Temperature for PTFE from -10°C; +160°C, for EPDM from -10°C; +140°C

Normally Closed



Dimensions (mm)

G	A	B	C	D	E	F	K	H
11/4"	141	143	32	45	76	96.5	110.7	156
11/2"	139	143	32	45	76	96.5	110.7	156
2"	145.6	153	32	45	76	96.5	110.7	165.5

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"	87	115	32	45	102	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		
T-B	S2010	G	mm	bar	bar	lt/min	min	max		(kg)
T-B 202	S2010.02	3/8"	12,5	0,5	5	48	-10	160	PTFE	0,68
T-B 203	S2010.03	1/2"	14,5	0,5	5	70	-10	160	PTFE	0,71
T-B 204	S2010.04	3/4"	17	0,5	5	85	-10	160	PTFE	0,8
T-B 205	S2010.05	1"	17	0,5	5	90	-10	160	PTFE	0,97
T-B 206	S2010.06	11/4"	46	0,5	3	390	-10	140	EPDM	2,65
T-B 207	S2010.07	11/2"	46	0,5	3	460	-10	140	EPDM	2,55
T-B 208	S2010.08	2"	46	0,5	3	580	-10	140	EPDM	2,98

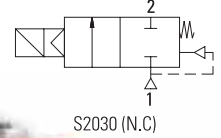
Useful Informations

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, 2 bar steam: 133°C , 3 bar steam: 144 °C, 4 bar steam: 151°C, 5 bar steam: 160°C, 6 bar steam: 165°C
Sealings: PTFE : Polytetrafluorethylene, EPDM : Ethylene-Propylene Elastomer

GENERAL FEATURES

- New design
- Full orifice steam solenoid valves
- Especially for overheated water and steam
- Suitable for liquids and gaseous fluids
- Working Temperature: -10°C / +140°C
- Not suitable for use with dangerous fluids listed in Group 1
- Minimum operating differential pressure 0,35, 0,5
- High reliability, quality and performance; long life, corrosion resistance
- Wide pressure ratings, range of flow rate and orifice options
- These solenoid valves are 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; laundry, auto claves, dry cleaning, sterilizers, ironing machines
- 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

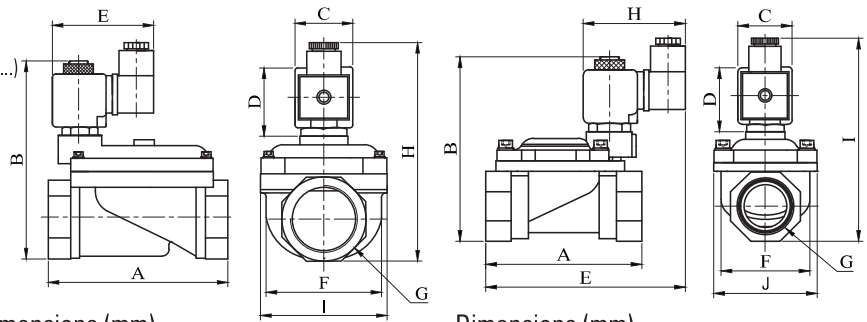
- Continuous Duty : ED %100
- Coil Insulation Class : H (180°C)
- Coil Impregnation : Polyester Fiber Glass
- Coil Encapsulation Material : Fiber Glass Reinforced
- Ambient Temperature : from -10°C ; +60°C
- Protection Degree : IP 65 (EN 60529) with coil duly fitted with the plug connector
- Electric 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, 110V



- 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 FLUIDS

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



Dimensions (mm)

G	A	B	C	D	E	F	I	H
11/4"	141	143	32	45	76	96.5	110.7	156
11/2"	139	143	32	45	76	96.5	110.7	156
2"	145.6	153	32	45	76	96.5	110.7	165.5

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"	75	100	32	45	109	40	52	76	115
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

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 : 3 bar

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure min / max	KV	Fluid Temperature		Seal	Weight	
						min	max			
T-BL	S2030	G	mm	bar	bar	lt/min	°C		(kg)	
T-BL 202	S2030.02	3/8"	12.5	0.35	3	45	-10	140	EPDM	0.68
T-BL 203	S2030.03	1/2"	12.5	0.35	3	65	-10	140	EPDM	0.64
T-BL 204	S2030.04	3/4"	20	0.5	3	120	-10	140	EPDM	0.66
T-BL 205	S2030.05	1"	25	0.5	3	170	-10	140	EPDM	0.8
T-BL 206	S2030.06	1 1/4"	46	0.5	3	390	-10	140	EPDM	2.65
T-BL 207	S2030.07	1 1/2"	46	0.5	3	460	-10	140	EPDM	2.55
T-BL 208	S2030.08	2"	46	0.5	3	580	-10	140	EPDM	2.98

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, 2 bar steam: 133°C , 3 bar steam: 144 °C, 4 bar steam: 151°C, 5 bar steam: 160°C, 6 bar steam: 165°C
Sealings:EPDM:Ethylene-Propylene Elastomer

B

GENERAL FEATURES

- **New design**
- **Especially for overheated water and steam**
- **Suitable for non-aggressive liquids, gaseous. fluids**
- Working Temperature : -10°C / +140°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; laundry, auto claves, dry cleaning, sterilizers, ironing machines
- 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 FLUIDS

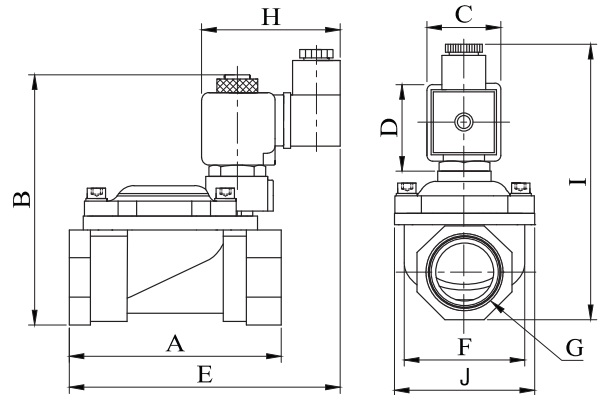
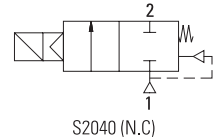
Body : Brass
 Internal Parts : Stainless Steel and brass
 Sealing : EPDM
 Shading Ring : Copper
 Seats : Brass
 Core Tube : Stainless Steel
 Springs : Stainless Steel
 On request; nickel plated body
 On request; sealing can be FPM (VITON)

TECHNICAL FEATURES

Max Viscosity : 5°E (-37cSt or mm²/s)
 Response Time : Opening Time : 400 ms to ~ 1600 ms,
 Closing Time: 1000 ms to ~ 2000 ms
 Maximum Allowable Pressure : 3bar
 Fluid Temperature for FPM (VITON) from -10°C; +160°C

NEW

Normally Closed



Dimensions (mm)

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

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-BTD	S2040	G	mm	bar	bar	lt/min	min	°C max		(kg)
T-BTD 202	S2040.02	3/8"	12.5	0.35	3	45	-10	140	EPDM	0.68
T-BTD 203	S2040.03	1/2"	12.5	0.35	3	65	-10	140	EPDM	0.64
T-BTD 204	S2040.04	3/4"	15	0.35	3	70	-10	140	EPDM	0.79
T-BTD 205	S2040.05	1"	15	0.35	3	85	-10	140	EPDM	0.96

Useful Informations

1 bar: 14,5 PSI: 10 N/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, 2 bar steam: 133°C , 3 bar steam: 144 °C, 4 bar steam: 151°C, 5 bar steam: 160°C, 6 bar steam: 165°C
 Sealings: FPM (VITON) : Fluoro-Carbon Elastomer, EPDM : Ethylene-Propylene Elastomer

GENERAL FEATURES

- Especially for overheated water and steam
- With cooling neck. By this way, the effect of the fluid's temperature on the coil is reduced
- Suitable for liquids and gaseous fluids
- 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; laundry, auto claves, dry cleaning, sterilizers, ironing machines
- 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 FLUIDS

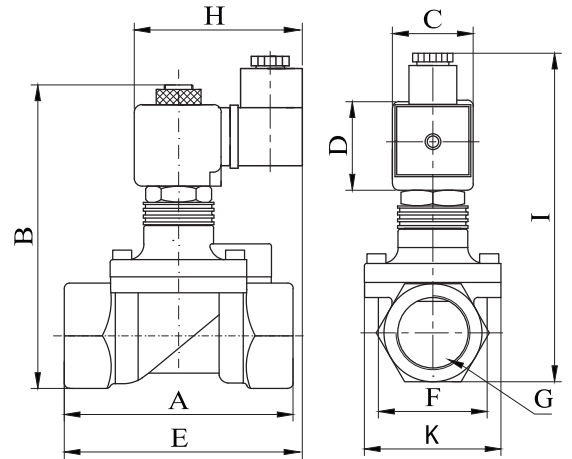
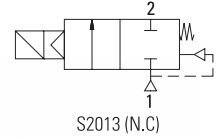
Body : Brass
 Internal Parts : Stainless Steel and brass
 Sealing : PTFE
 Shading Ring : Copper
 Seats : Brass
 Core Tube : Stainless Steel
 Springs : Stainless Steel
 On request; nickel plated body

TECHNICAL FEATURES

Max Viscosity : 5°E (~37cSt or mm²/s)
 Response Time : Opening Time : 400 ms to ~ 1600 ms,
 Closing Time : 1000 ms to ~ 2000 ms
 Maximum Allowable Pressure : 6 bar

Normally Closed

High Temperature



Dimensions (mm)

	G	A	B	C	D	E	F	K	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-BH	S2013	G	mm	bar	bar	lt/min	min	max		(kg)
T-BH 202	S2013.02	3/8"	12.5	0.5	6	48	-10	180	PTFE	0.74
T-BH 203	S2013.03	1/2"	14.5	0.5	6	70	-10	180	PTFE	0.77
T-BH 204	S2013.04	3/4"	17	0.5	6	85	-10	180	PTFE	0.86
T-BH 205	S2013.05	1"	17	0.5	6	90	-10	180	PTFE	1.04

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, 2 bar steam: 133°C , 3 bar steam: 144 °C, 4 bar steam: 151°C, 5 bar steam: 160°C, 6 bar steam: 165°C
 Sealings: PTFE: Polytetrafluorethylene

B

GENERAL FEATURES

- **TORK series S2093 diaphragm nickel plated steam solenoid valves** are 2/2 way normally closed and pilot operated
- **Especially for overheated water and steam**
- **With cooling neck. By this way, the effect of the fluids temperature on the coil is reduced**
- **Suitable for liquids and gaseous fluids**
- Working Temperature: -10°C / +160°C
- Not suitable for use with dangerous fluids listed in Group 1
- **Minimum operating pressure differential 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 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

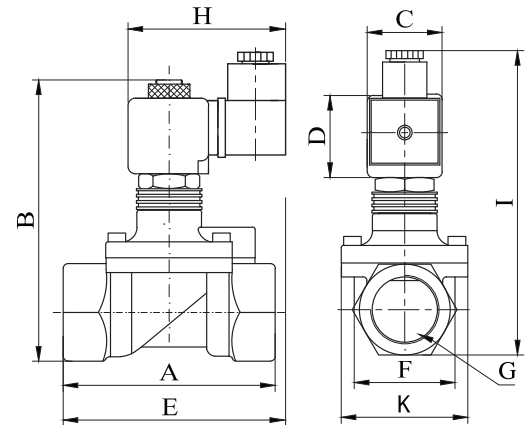
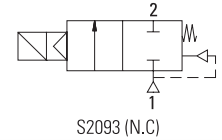
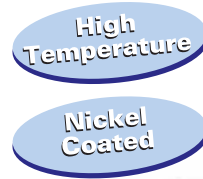
MATERIALS IN CONTACT WITH FLUID

- Body : Nickel Plated Brass
 Internal Parts : Stainless Steel and brass
 Sealing : PTFE
 Shading Ring : Copper
 Seats : Brass
 Core Tube : Stainless Steel
 Springs : Stainless Steel
 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 : 6 bar

Normally Closed



Dimensions (mm)

	G	A	B	C	D	E	F	K	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-BHK	S2093	G	mm	bar	bar	lt/min	min °C	max		(kg)
T-BHK 202	S2093.02	3/8"	12.5	0.5	6	48	-10	180	PTFE	0.8
T-BHK 203	S2093.03	1/2"	14.5	0.5	6	70	-10	180	PTFE	0.82
T-BHK 204	S2093.04	3/4"	17	0.5	6	85	-10	180	PTFE	0.82
T-BHK 205	S2093.05	1"	17	0.5	6	90	-10	180	PTFE	1.1

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, 2 bar steam: 133°C , 3 bar steam: 144 °C, 4 bar steam: 151°C, 5 bar steam: 160°C, 6 bar steam: 165°C
 Sealings: PTFE: Polytetrafluorethylene

GENERAL FEATURES

- Internal exhaust system
- Especially for overheated water and steam
- Suitable for liquids and gaseous fluids
- Working Temperature : -10°C / +140°C and 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; laundry, auto claves, dry cleaning, sterilizers, ironing machines
- 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, 110V

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 FLUIDS

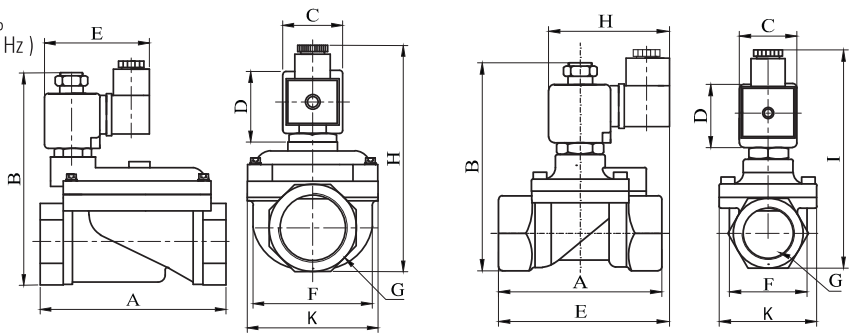
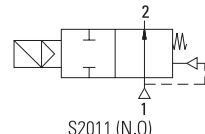
Body : Brass
Internal Parts : Stainless Steel and brass
Sealing : PTFE (for 3/8", 1/2", 3/4", 1") and EPDM (for 11/4", 11/2", 2")
Shading Ring : Copper
Seats : Brass
Core Tube : Stainless Steel
Springs : Stainless Steel
On request; nickel plated body

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 : 5 bar
Fluid Temperature for PTFE from -10°C; +160°C,
for EPDM from -10°C; +140°C

NEW

Normally Open



Dimensions (mm)

G	A	B	C	D	E	F	K	H
11/4"	141	143	32	45	76	96.5	110.7	156
11/2"	139	143	32	45	76	96.5	110.7	156
2"	145.6	153	32	45	76	96.5	110.7	165.5

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"	87	115	32	45	102	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	max		
T-BN	S2011	G	mm	bar	bar	lt/min	min	max		(kg)
T-BN 202	S2011.02	3/8"	12.5	0.5	5	48	-10	160	PTFE	0.69
T-BN 203	S2011.03	1/2"	14.5	0.5	5	70	-10	160	PTFE	0.72
T-BN 204	S2011.04	3/4"	17	0.5	5	85	-10	160	PTFE	0.81
T-BN 205	S2011.05	1"	17	0.5	5	90	-10	160	PTFE	0.98
T-BN 206	S2011.06	11/4"	46	0.5	3	390	-10	140	EPDM	2.66
T-BN 207	S2011.07	11/2"	46	0.5	3	460	-10	140	EPDM	2.56
T-BN 208	S2011.08	2"	46	0.5	3	580	-10	140	EPDM	2.99

Useful Informations

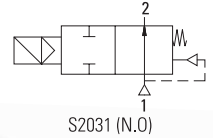
1 bar: 14,5 PSI; 10 mH₂O; 10 N/cm²; 1 kg/cm²; 100000 Pa , 1 PSI: 69 mbar, 1 m³/h: 4,405 GPM: 16,7 L/d 1 Gallon / minute: 0,227 m³/h, 0°C: 89,6 F, 2 bar steam: 133°C , 3 bar steam: 144 °C, 4 bar steam: 151°C, 5 bar steam: 160°C, 6 bar steam: 165°C
Sealings: PTFE : Polytetrafluorethylene, EPDM : Ethylene-Propylene Elastomer

B

GENERAL FEATURES

- New design, internal exhaust system
- Full orifice steam solenoid valves
- Especially for overheated water and steam
- Suitable for liquids and gaseous fluids that
 - Working Temperature: -10°C / +140°C
 - Not suitable for use with dangerous fluids listed in Group 1
- Minimum operating differential pressure 0,35, 0,5
- 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; laundry, auto claves, dry cleaning, sterilizers, ironing machines
- 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 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 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)

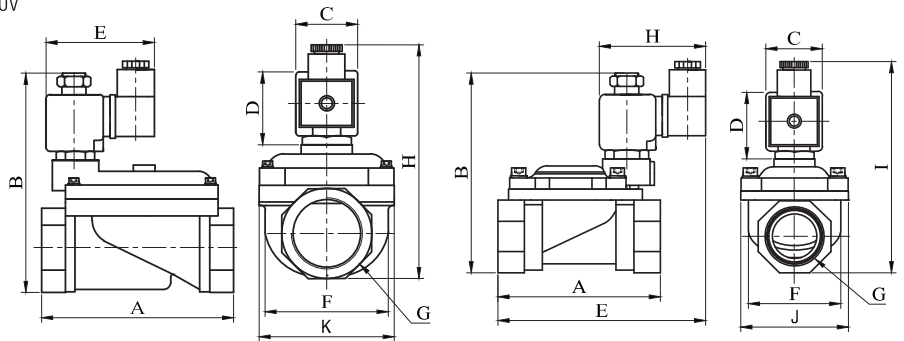
On request; connector with LED
Specify coil voltage with order

MATERIALS IN CONTACT WITH FLUIDS

- Body : Brass
- Internal Parts : Stainless Steel and brass
- Sealing : EPDM
- 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 : 3 bar



Dimensions (mm)

G	A	B	C	D	E	F	K	H
11/4"	141	143	32	45	76	96.5	110.7	156
11/2"	139	143	32	45	76	96.5	110.7	156
2"	145.6	153	32	45	76	96.5	110.7	165.5

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"	75	97	32	45	109	38	52	76	115
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	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-BLN	S2031	G	mm	bar	bar	min °C	max	(kg)
T-BLN 202	S2031.02	3/8"	12.5	0.35	3	-10	140	EPDM 0.69
T-BLN 203	S2031.03	1/2"	12.5	0.35	3	-10	140	EPDM 0.66
T-BLN 204	S2031.04	3/4"	20	0.5	3	-10	140	EPDM 0.67
T-BLN 205	S2031.05	1"	25	0.5	3	-10	140	EPDM 0.81
T-BLN 206	S2031.06	1 1/4"	46	0.5	3	-10	140	EPDM 2.66
T-BLN 207	S2031.07	1 1/2"	46	0.5	3	-10	140	EPDM 2.56
T-BLN 208	S2031.08	2"	46	0.5	3	-10	140	EPDM 2.99

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, 2 bar steam: 133°C , 3 bar steam: 144 °C, 4 bar steam: 151°C, 5 bar steam: 160°C, 6 bar steam: 165°C
Sealings:EPDM:Ethylene-Propylene Elastomer

GENERAL FEATURES

- Especially for overheated water and steam
- Suitable for liquids and gaseous fluids that
- Working Temperature : -10°C / +140°C and 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; laundry, auto claves, dry cleaning, sterilizers, ironing machines
- 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

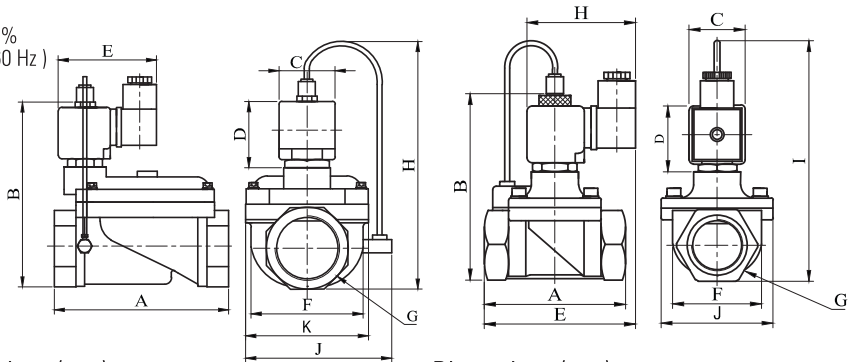
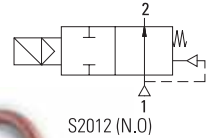
MATERIALS IN CONTACT WITH FLUIDS

Body : Brass
 Internal Parts : Stainless Steel and brass
 Sealing: PTFE (for 3/8", 1/2", 3/4", 1") and EPDM (for 11/4", 11/2", 2")
 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 : 5 bar
 Fluid Temperature for PTFE from -10°C; +160°C,
 for EPDM from -10°C; +140°C

Normally Open



Dimensions (mm)

G	A	B	C	D	E	F	K	H	J
11/4"	141	143	32	45	76	96.8	110.7	191.6	123.8
11/2"	139	143	32	45	76	96.8	110.7	191.6	123.8
2"	145.6	153	32	45	76	96.8	110.7	206.8	123.8

Dimensions (mm)

G	A	B	C	D	E	F	J	H	I
3/8"	75	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	107.5	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-BA	S2012	G	mm	bar	bar	lt/min	min °C	max	(kg)	
T-BA 202	S2012.02	3/8"	12.5	0.5	5	48	-10	160	PTFE	0.7
T-BA 203	S2012.03	1/2"	14.5	0.5	5	70	-10	160	PTFE	0.73
T-BA 204	S2012.04	3/4"	17	0.5	5	85	-10	160	PTFE	0.81
T-BA 205	S2012.05	1"	17	0.5	5	90	-10	160	PTFE	0.99
T-BA 206	S2012.06	11/4"	46	0.5	3	390	-10	140	EPDM	2.72
T-BA 207	S2012.07	11/2"	46	0.5	3	460	-10	140	EPDM	2.6
T-BA 208	S2012.08	2"	46	0.5	3	580	-10	140	EPDM	3.04

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, 2 bar steam: 133°C, 3 bar steam: 144 °C, 4 bar steam: 151°C, 5 bar steam: 160°C, 6 bar steam: 165°C
 Sealings: PTFE : Polytetrafluorethylene, EPDM : Ethylene-Propylene Elastomer

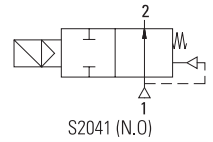
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GENERAL FEATURES

- **New design, internal exhaust system**
- **Especially for overheated water and steam**
- **Suitable for non-aggressive liquids, gaseous fluids**
- Working Temperature : -10°C / +140°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; laundry, auto claves, dry cleaning, sterilizers, ironing machines
- 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))

NEW

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 12V, 24V, 48V, 110V, 230V
For DC 12V, 24V, 48V, 110 V

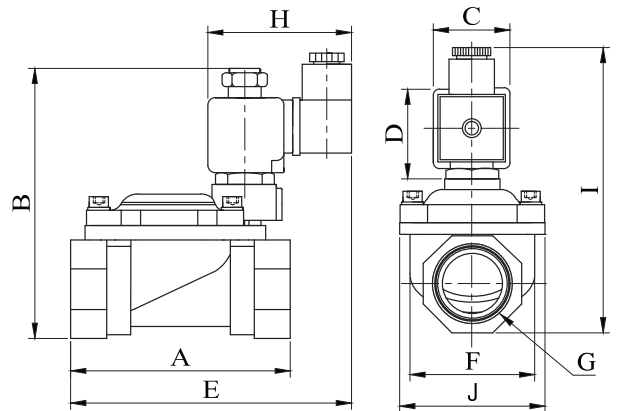
- Other voltages on request;
- Voltage Tolerances : For AC -15%; +10%, For DC -5%; +10%
- Frequency : 50 Hz, other frequencies on request; (60 Hz)
- On request; connector with LED
- Specify coil voltage with order

MATERIALS IN CONTACT WITH FLUIDS

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

TECHNICAL FEATURES

- Max Viscosity : 5°E (~37cSt or mm²/s)
- Response Time : Opening Time : 400 ms to ~ 1600 ms,
Closing Time: 1000 ms to ~ 2000 ms
- Maximum Allowable Pressure : 3bar
- Fluid Temperature for FPM (VITON) from -10°C; +160°C



Dimensions (mm)

	G	A	B	C	D	E	F	J	H	I
3/8"	69	97	32	45	106.5	38	52	76	76	112
1/2"	69	97	32	45	109	40	52	76	76	112
3/4"	81.3	107.5	32	45	115.8	42.1	52	76	76	121
1"	87.9	115	32	45	122.4	51.5	60.9	76	76	127.5

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-BTDN	S2041	G	mm	bar	bar	lt/min	min	°C max		(kg)
T-BTDN 202	S2041.02	3/8"	12.5	0.35	3	45	-10	140	EPDM	0.68
T-BTDN 203	S2041.03	1/2"	12.5	0.35	3	65	-10	140	EPDM	0.66
T-BTDN 204	S2041.04	3/4"	15	0.35	3	70	-10	140	EPDM	0.8
T-BTDN 205	S2041.05	1"	15	0.35	3	85	-10	140	EPDM	0.97

Useful Informations

1 bar: 14,5 PSI: 10 N/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, 2 bar steam: 133°C , 3 bar steam: 144 °C, 4 bar steam: 151°C, 5 bar steam: 160°C, 6 bar steam: 165°C
Sealings: FPM (VITON) : Fluoro-Carbon Elastomer, EPDM : Ethylene-Propylene Elastomer

GENERAL FEATURES

- **TORK series S2020 (N.C) and S2021 (N.O)** diaphragm steam solenoid valves are 2/2 way normally closed and normally open and pilot operated
- **Especially for overheated water and steam**
- **Suitable for liquids and gaseous fluids**
- Working Temperature : -10°C / +160°C
- Not suitable for use with dangerous fluids listed in Group 1
- **Don't require any differential pressure (for 3/8", 1/2", 3/4", 1")**
- **Internal exhaust system for normally open solenoid valves**
- 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; closed circuits, laundry, auto claves, dry cleaning, sterilizers, ironing machines
- 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 FLUIDS

- Body : Brass
- Internal Parts : Stainless Steel and brass
- Sealing : 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 mm²/s)
- Response Time : Opening Time : 400 ms to ~ 1600 ms,
Closing Time: 1000 ms to ~ 2000 ms
- Maximum Allowable Pressure : 5 bar
- Fluid Temperature for PTFE 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
T-BZ / T-BZN	S2020 / S2021	G	mm	bar	bar	min °C	max	(kg)
T-BZ 202	S2020.02	3/8"	12.5	0	5	-10	160	PTFE 0.69
T-BZ 203	S2020.03	1/2"	14.5	0	5	-10	160	PTFE 0.72
T-BZ 204	S2020.04	3/4"	17	0	5	-10	160	PTFE 0.8
T-BZ 205	S2020.05	1"	17	0	5	-10	160	PTFE 0.98
T-BZN 202	S2021.02	3/8"	12.5	0	5	-10	160	PTFE 0.7
T-BZN 203	S2021.03	1/2"	14.5	0	5	-10	160	PTFE 0.73
T-BZN 204	S2021.04	3/4"	17	0	5	-10	160	PTFE 0.81
T-BZN 205	S2021.05	1"	17	0	5	-10	160	PTFE 0.99

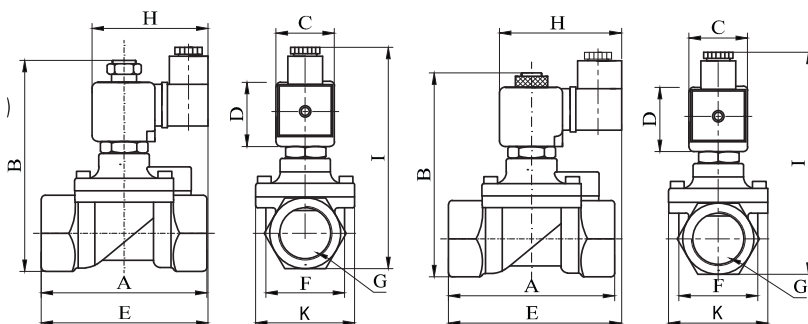
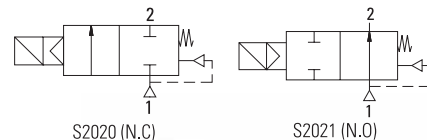
Useful Informations

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, 2 bar steam: 133°C , 3 bar steam: 144 °C, 4 bar steam: 151°C, 5 bar steam: 160°C, 6 bar steam: 165°C
Sealings: PTFE : Polytetrafluorethylene



Normally Closed

Normally Open



Dimensions (mm) (S2021)

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	39.8	52	76	110
3/4"	79	107.3	32	45	94	41.5	52	76	118
1"	85	115	32	45	101	42.5	52	76	124

Dimensions (mm) (S2020)

G	A	B	C	D	E	F	K	H	I
3/8"	74	97	32	45	91.3	37.5	52	76	108
1/2"	79	100	32	45	92	39.8	52	76	110
3/4"	79	107.3	32	45	94	41.5	52	76	118
1"	85	115	32	45	101	42.5	52	76	124