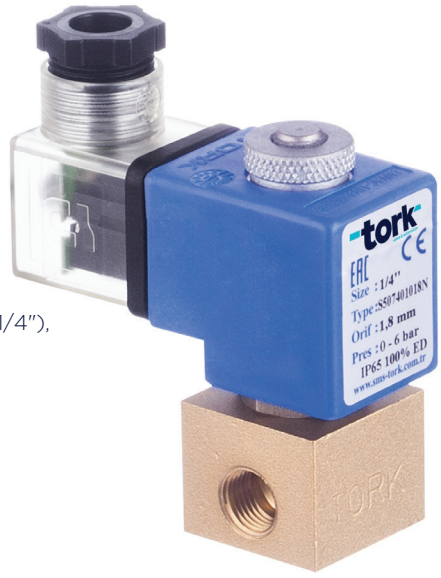
Compressor Solenoid Valve S5078 Series (G1/8", G1/4")



NORMALLY CLOSED
2/2 WAY
DIRECT ACTING
ΔP=0

COMPRESSOR

GENEL ÖZELLİKLER

- Wide pressure range, flow rate and orifis options.
- Solenoid valves are used with filters.
- Solenoid valves can be mounted in any position without affecting its operation.
- Coil to be used in a vertical position.
- TORK series S5073 direct acting plate mounting compressor solenoid valves are 2/2 way, normally closed and have small body size.
- Manual override or without manuel override, for small body (1/8" and 1/4"), square type body and easy installation
- On request; manuel override

Working temperature: -20°C / + 160°C

- Don't require any differential pressure.

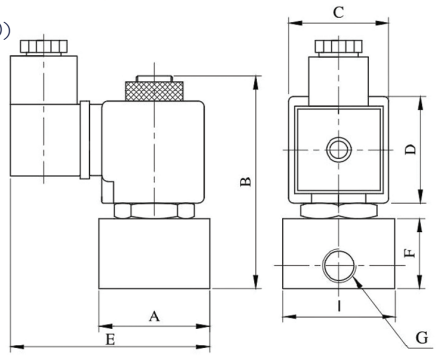
ELECTRICAL CHARACTERISTICS

Continuous Duty	: ED %100
Coil Insulation Class	: H (180°C)(IEC 85)
Coil Impregnation	: Polyester Fiber Glass
Ambient Temperature	: -20°C, +60°C
Protection Degree	: IP65 (ISO 60529) On request; IP68
Electric Plug Connection	: DIN 46340 3-Poles Connector (DIN 43650)
Connector Specification	: ISO 4400 / EN 175301-803 Form A, Spade Plug (Cable Ø6-8 mm)
Electrical Safety	: IEC 335
Standard Voltages	: AC 12V 15VA, 24V 15VA, 48V 15VA, 230V 15VA, 230V 24VA DC 12V 18W, 24V 18W, 48V 18W, 110V 18W

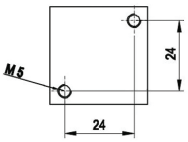
On request other voltages

Voltages Tolerance	: AC -15%, +10% DC -5%, +10%
Frequency	: 50 Hz (60 Hz...)

On request; Connector with LED, PWM Socket Specify coil voltage with order



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



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

MATERIALS IN CONTACT WITH FLUID

Body	: Brass
Internal Parts	: Stainless Steel
Sealing	: VITON
Shading Ring	: Copper (EN 12735-1)
Seats, Core Tube, Springs	: Stainless Steel

OPTIONS

Female connection: BSP; (On request NPT)

- On request CR-Ni plated, PTFE coated done
- On request Atex (exproof) coil.

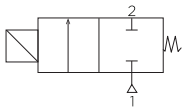
TECHNICAL FEATURES

Max. Viscosity	: 5°E (~37cST veya mm²/s)
Response Time	: Opening time : 400 - 1600 ms
	Closing Time : 1000 - 2000 ms

SEALS FEATURES

NBR	: -20°C...+80°C
EPDM	: -30°C...+130°C
VİTON	: -20°C...+160°C
PTFE	: -10°C...+160°C
RUBY	: -10°C...+160°C

Coils	Nominal Values	Cold/ Hot	Inrush	Holding	Current (A)	Surface Temperature (°C)
C40012VDC18W	12VDC 18W	COLD	19,56	19,56	1,63	20
		HOT	14,52	14,52	1,21	106
C40024VDC18W	24VDC 18W	COLD	20,88	20,88	0,87	25
		HOT	14,64	14,64	0,61	116
C40110VDC18W	110VDC 18W	COLD	19,96	19,96	0,18	23
		HOT	13,56	13,56	0,123	115
C40012VAC15VA	12VAC 15VA	COLD	23,81	16,43	1,3	25
		HOT	-	15,86	1,262	79
C40024VAC15VA	24VAC 15VA	COLD	25,82	15,02	0,62	22
		HOT	-	13,91	0,57	81
C40110VAC15VA	110VAC 15VA	COLD	30,65	15,17	0,137	24
		HOT	-	13,96	0,126	80
C40230VAC15VA	230VAC 15VA	COLD	31,4	15,64	0,068	25
		HOT	-	14,41	0,063	80
C40230VAC24VA	230VAC 24VA	COLD	45,1	23,92	0,0154	23
		HOT	-	21,62	0,0154	100

Solenoid Vave Symbol	Valve Type/ Order No	Connection Size	Orifice Size	Pressure min/max		Kv	Seal	Weight
	S5078	G	mm	Bar	Bar	l/min	VİTON	kg
	S5078.00.010	1/8"	1	0	100	0.6	✓	0,5
	S5078.00.018	1/8"	1.8	0	16	1.6	✓	0,5
	S5078.00.025	1/8"	2.5	0	12	3.2	✓	0,5
	S5078.00.030	1/8"	3	0	10	4.6	✓	0,5
	S5078.00.040	1/8"	4	0	9	6.4	✓	0,5
	S5078.01.010	1/4"	1	0	100	0.6	✓	0,49
	S5078.01.018	1/4"	1.8	0	16	1.6	✓	0,49
	S5078.01.025	1/4"	2.5	0	12	3.2	✓	0,49
	S5078.01.030	1/4"	3	0	10	4.6	✓	0,49
	S5078.01.040	1/4"	4	0	9	6.4	✓	0,49
	S5078.01.050	1/4"	5	0	7	9.2	✓	0,49

STANDARDS

- Standard tube connection G (BSP) (ISO 228-1) and other tube connections (NPT (ANSI 1.20.3)) are available on request.
- TORK solenoid valves 97/23/EC, are available for pressure equipment directive (PED) and 2006/95/ECC low voltage directive (LVD).

Not: Please look catalogues for more details

TS5078EN260902

Compressor Solenoid Valve
S5078P Series



NORMALLY CLOSED
2/2 WAY
PİLOT OPERATED
ΔP=0,35

COMPRESSOR

GENERAL FEATURES
- Wide pressure range, flow rate and orifis options.
- Solenoid valves are used with filters.
- Solenoid valves can be mounted in any position without affecting its operation.
- Coil to be used in a vertical position.

ELECTRICAL CHARACTERISTICS
Continuous Duty : ED %100
Coil Insulation Class : H (180°C)(IEC 85)
Coil Impregnation : Polyester Fiber Glass
Ambient Temperature : -20°C, +60°C
Protection Degree : IP65 (ISO 60529) On request; IP68
Electric Plug Connection : DIN 46340 3-Poles Connector (DIN 43650)
Connector Specification : ISO 4400 / EN 175301-803 Form A, Spade Plug (Cable Ø6-8 mm)
Electrical Safety : IEC 335
Standard Voltages : For 3/8"...1"
AC 12V 15VA, 24V 15VA, 48V 15VA, 110V 15VA, 230V 15VA
DC 12V 18W, 24V 18W, 48V 18W, 110V 18W
For 1 1/4"...2"
AC 12V 42VA, 24V 42VA, 48V 42VA, 110V 42VA, 230V 42VA
DC 12V 35W, 24V 35W, 48V 35W, 110V 35W

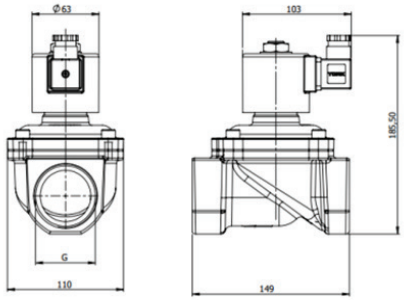
On request other voltages
Voltages Tolerance : AC -15%, +10% DC -5%, +10%
Frequency : 50 Hz (60 Hz...)
On request; Connector with LED, PWM Socket Specify coil voltage with order
On request; 3/8"...1" valves can be ATEX

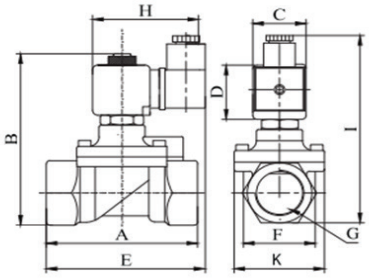
MATERIALS IN CONTACT WITH FLUID
Body : Brass
Internal Parts : Stainless Steel
Sealing : NBR
Shading Ring : Copper (EN 12735-1)
Seats, Core Tube, Springs: Stainless Steel

OPTIONS
Female connection: BSP; (On request NPT)
- On request CR-Ni plated, PTFE coated done

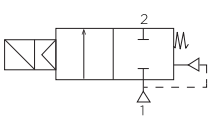
TECHNICAL FEATURES
Max. Viscosity : 5°E (~37cST veya mm²/s)
Response Time : Opening time : 400 - 1600 ms
Closing Time : 1000 - 2000 ms

SEALS FEATURES
NBR : -20°C...+80°C
EPDM : -30°C...+130°C
VİTON : -20°C...+160°C
PTFE : -10°C...+160°C
RUBY : -10°C...+160°C





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

Solenoid Vave Symbol	Valve Type/ Order No	Connection Size	Orifice Size	Pressure				Kv	Seal			Weight	ATEX Coil
				For gas fluids		For liquid fluids							
	S5078	G	mm	min bar	max bar	min bar	max bar	l/min	Viton	NBR	EPDM	kg	C41 C43
	S5078.02.125	3/8"	12.5	0	16	0	16	48	✓	✓	✓	0,68	✓
	S5078.03.145	1/2"	14.5	0	16	0	16	70	✓	✓	✓	0,71	✓
	S5078.04.170	3/4"	17	0	16	0	16	85	✓	✓	✓	0,8	✓
	S5078.05.170	1"	17	0	16	0	16	90	✓	✓	✓	0,97	✓
	S5078.06.300	1 1/4"	30	0	3	0	12	250	✓	✓	✓	3,50	
	S5078.07.390	1 1/2"	39	0	3	0	12	300	✓	✓	✓	3,20	
	S5078.08.460	2"	46	0	3	0	12	350	✓	✓	✓	2,98	

STANDARDS
- Standard tube connection G (BSP) (ISO 228-1) and other tube connections (NPT (ANSI 1.20.3)) are available on request.
- TORK solenoid valves 97/23/EC, are available for pressure equipment directive (PED) and 2006/95/ECC low voltage directive (LVD).

Not: Please look catalogues for more details.

TS5078PEN260902

Compressor Solenoid Valve S5079 Series (G1/8", G1/4")

GENERAL FEATURES

- Wide pressure range, flow rate and orifis options.
- Solenoid valves are used with filters.
- Solenoid valves can be mounted in any position without affecting its operation.
- Coil to be used in a vertical position.
- TORK series S5079 direct acting plate mounting compressor solenoid valves are 2/2 way, normally closed and have small body size.
- Without manuel override, for small body (1/8" and 1/4"), square type body and easy installation

Working temperature: -20°C / + 160°C

- On request; manuel override
- Don't require any differential pressure.
- On request; solenoid valve can have 4 mounting holes at the bottom of the body.



NORMALLY OPEN
2/2 WAY
DIRECT ACTING
ΔP=0

COMPRESSOR

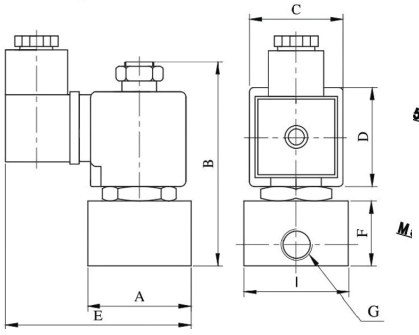
ELECTRICAL CHARACTERISTICS

Continuous Duty	: ED %100
Coil Insulation Class	: H (180°C)(IEC 85)
Coil Impregnation	: Polyester Fiber Glass
Ambient Temperature	: -20°C, +60°C
Protection Degree	: IP65 (ISO 60529) On request; IP68
Electric Plug Connection	: DIN 46340 3-Poles Connector (DIN 43650)
Connector Specification	: ISO 4400 / EN 175301-803 Form A, Spade Plug (Cable Ø6-8 mm)
Electrical Safety	: IEC 335
Standard Voltages	: AC 12V 15VA, 24V 15VA, 48V 15VA, 230V 15VA, 230V 24VA DC 12V 18W, 24V 18W, 48V 18W, 110V 18W

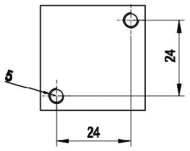
On request other voltages

Voltages Tolerance	: AC -15%, +10% DC -5%, +10%
Frequency	: 50 Hz (60 Hz...)

On request; Connector with LED, PWM Socket Specify coil voltage with order



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



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

MATERIALS IN CONTACT WITH FLUID

Body	: Brass
Internal Parts	: Stainless Steel
Sealing	: VITON
Shading Ring	: Copper (EN 12735-1)
Seats, Core Tube, Springs	: Stainless Steel

OPTIONS

Female connection: BSP; (On request NPT)

- On request CR-Ni plated, PTFE coated done
- On request Atex (exproof) coil.

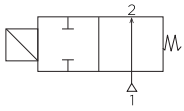
TECHNICAL FEATURES

Max. Viscosity	: 5°E (~37cST veya mm²/s)
Response Time	: Opening time : 30 ms Closing Time : 30 ms

SEALS FEATURES

NBR	: -20°C...+80°C
EPDM	: -30°C...+130°C
VİTON	: -20°C...+160°C
PTFE	: -10°C...+160°C
RUBY	: -10°C...+160°C

Coils	Nominal Values	Cold/ Hot	Inrush	Holding	Current (A)	Surface Temperature (°C)
C40012VDC18W	12VDC 18W	COLD	19,56	19,56	1,63	20
		HOT	14,52	14,52	1,21	106
C40024VDC18W	24VDC 18W	COLD	20,88	20,88	0,87	25
		HOT	14,64	14,64	0,61	116
C40110VDC18W	110VDC 18W	COLD	19,96	19,96	0,18	23
		HOT	13,56	13,56	0,123	115
C40012VAC15VA	12VAC 15VA	COLD	23,81	16,43	1,3	25
		HOT	-	15,86	1,262	79
C40024VAC15VA	24VAC 15VA	COLD	25,82	15,02	0,62	22
		HOT	-	13,91	0,57	81
C40110VAC15VA	110VAC 15VA	COLD	30,65	15,17	0,137	24
		HOT	-	13,96	0,126	80
C40230VAC15VA	230VAC 15VA	COLD	31,4	15,64	0,068	25
		HOT	-	14,41	0,063	80
C40230VAC24VA	230VAC 24VA	COLD	45,1	23,92	0,0154	23
		HOT	-	21,62	0,0154	100

Solenoid Vave Symbol	Valve Type/ Order No	Connection Size	Orifice Size	Pressure min/max		Kv	Seal	Weight
	S5079	G	mm	Bar	Bar	l/min	VİTON	kg
	S5079.00.018	1/8"	1.8	0	12	1.6	✓	0,51
	S5079.00.025	1/8"	2.5	0	10	3.2	✓	0,51
	S5079.00.030	1/8"	3	0	5	4.6	✓	0,51
	S5079.01.018	1/4"	1.8	0	12	1.6	✓	0,5
	S5079.01.025	1/4"	2.5	0	10	3.2	✓	0,5
	S5079.01.30	1/4"	3	0	5	4.6	✓	0,5

STANDARDS

- Standard tube connection G (BSP) (ISO 228-1) and other tube connections (NPT (ANSI 1.20.3)) are available on request.
- TORK solenoid valves 97/23/EC, are available for pressure equipment directive (PED) and 2006/95/ECC low voltage directive (LVD).

Not: Please look catalogues for more details

TS5079EN260902