Stainless Steel Solenoid Valve SSX1010 Series (G1/8", G1/4")



NORMALLY CLOSED
2/2 WAY
DIRECT ACTING
ΔP=0

WATER AIR GAS

ACID CHEMICAL

EXPLOSIVE ATMOSPHERE ATEX

GENERAL FEATURES

- Wide pressure range, a flow rate and orifice options.
- Solenoid valves are used with the filter.
- Solenoid valves can be mounted in any position without affecting its operation.
- Coil to be used in a vertical position.
- Suitable for non-aggressive liquids (water,light oil etc...), gaseous fluids (air, iner gases etc...)
- TORK SS1010 direct acting solenoid valves are 2 ways, normally closed and small body.
- Working Temperature : -20 °C / +160 °C
- Pressure difference is 0.
- On request, high pressure model is available.
- Used as explosion-proof in ZONE 1 and ZONE 2

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	: Atex II 2G Ex mb IIC T4 Gb / II 2D Ex t IIIC T135°C Db IP67 (In case of request IP68)
Cable Connection	: 3 meter standard cable (other lengths available upon request)
Electrical Safety	: IEC 335
Standard Voltages	: AC 12V 15VA, 24V 15VA, 48V 15VA, 110V 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...)

MATERIALS IN CONTACT WITH FLUID

Body	: Stainless Steel (AISI 316)
Internal Parts	: Stainless Steel
Sealing	: PTFE on request; NBR, VITON, EPDM
Shading Ring	: Copper (EN 12735-1)
Seats, Core Tube, Springs	: Stainless Steel

OPTIONS

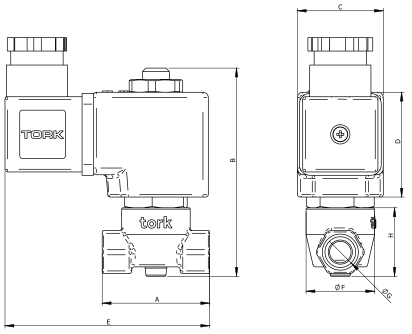
Compatible coils	: C41, C43, C46 and C47 series Atex (exproof)
Connection thread	: BSP; On request NPT

TECHNICAL FEATURES

Max. Viscosity : 5°E (~37cST or mm^2/s)
Response Time : Opening time : 30 ms
Closing Time : 30 ms

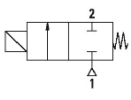
SEALS FEATURES

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



Dimensions (mm)							
G	A	B	C	D	E	F	H
1/8"	40	77.5	32	39	76.2	25.5	25.5
1/4"	40	77.5	32	39	76.2	25.5	25.5

Coils	Nominal Values	Cold/ Hot	Inrush	Holding	Current (A)	Surface Temperature (°C)
C41012VDC18W	12VDC 18W	COLD	19,56	19,56	1,63	20
		HOT	14,52	14,52	1,21	106
C41024VDC18W	24VDC 18W	COLD	20,88	20,88	0,87	25
		HOT	14,64	14,64	0,61	116
C41110VDC18W	110VDC 18W	COLD	19,96	19,96	0,18	23
		HOT	13,56	13,56	0,123	115
C41012VAC15VA	12VAC 15VA	COLD	23,81	16,43	1,3	25
		HOT	-	15,86	1,262	79
C41024VAC15VA	24VAC 15VA	COLD	25,82	15,02	0,62	22
		HOT	-	13,91	0,57	81
C41110VAC15VA	110VAC 15VA	COLD	30,65	15,17	0,137	24
		HOT	-	13,96	0,126	80
C41230VAC15VA	230VAC 15VA	COLD	31,4	15,64	0,068	25
		HOT	-	14,41	0,063	80
C41230VAC15VA	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
								Option			
	SSX1010	G	mm	Bar	Bar	L/min	PTFE	VITON	NBR	EPDM	kg
	SSX1010.00.018	1/8"	1.8	0	16	1.6	✓	✓	✓	✓	0,41
	SSX1010.00.025	1/8"	2.5	0	12	3.2	✓	✓	✓	✓	0,41
	SSX1010.00.030	1/8"	3	0	10	4.6	✓	✓	✓	✓	0,41
	SSX1010.00.040	1/8"	4	0	9	6.4	✓	✓	✓	✓	0,41
	SSX1010.01.018	1/4"	1.8	0	16	1.6	✓	✓	✓	✓	0,40
	SSX1010.01.025	1/4"	2.5	0	12	3.2	✓	✓	✓	✓	0,40
	SSX1010.01.030	1/4"	3	0	10	4.6	✓	✓	✓	✓	0,40
	SSX1010.01.040	1/4"	4	0	9	6.4	✓	✓	✓	✓	0,40
	SSX1010.01.050	1/4"	5	0	7	9.2	✓	✓	✓	✓	0,40
	SSX1010.01.060	1/4"	6	0	5	11	✓	✓	✓	✓	0,40

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

TSSX1010EN-261014

Stainless Steel Solenoid Valve
SSX1010 Series (G3/8", G1/2", G3/4", G1", G11/4", G11/2", G2")

NORMALLY CLOSED
2/2 WAY
PILOT OPERATED
ΔP=0,5



WATER AIR GAS

ACID CHEMICAL

EXPLOSIVE ATMOSPHERE ATEX

GENERAL FEATURES

- Wide pressure range, a flow rate and orifice options.
- Solenoid valves are used with the filter.
- Solenoid valves can be mounted in any position without affecting its operation.
- Coil to be used in a vertical position.
- TORK SS1010 pilot operated solenoid valves are 2 ways and normally closed.
- Working Temperature: -20 °C / +80 °C
- Minimum necessary pressure is 0,5.
- Used as explosion-proof in ZONE 1 and ZONE 2

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 : Atex II 2G Ex mb IIC T4 Gb / II 2D Ex t IIIC T135°C Db IP67 (In case of request IP68)
Cable Connection : 3 meter standard cable (other lengths available upon request)
Electrical Safety : IEC 335
Standard Voltages : AC 12V 15VA, 24V 15VA, 48V 15VA, 110V 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

MATERIALS IN CONTACT WITH FLUID

Body : Stainless Steel (AISI 316)
Internal Parts : Stainless Steel
Sealing : NBR on request; VİTON, EPDM
Shading Ring : Copper (EN 12735-1)
Seats, Core Tube, Springs: Stainless Steel

OPTIONS

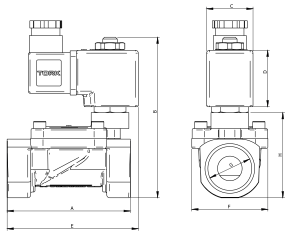
Compatible coils : C41, C43, C46 and C47 series Atex (exproof)
Connection thread : BSP; On request NPT

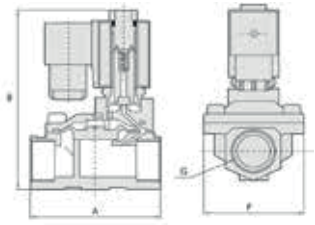
TECHNICAL FEATURES

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

SEALS FEATURES

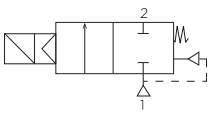
NBR : -20°C...+80°C
EPDM : -30°C...+130°C
VİTON : -20°C...+160°C





Dimensions (mm)							
G	A	B	C	D	E	F	H
3/8"	79	98	32	39	87.5	52	45.25
1/2"	79	98	32	39	87.5	52	45.25
3/4"	90	111	32	39	91	53	59
1"	90	111	32	39	91	53	59
11/4"	131	146	-	-	-	96	-
11/2"	131	146	-	-	-	96	-
2"	165	167	-	-	-	120	-

Coils	Nominal Values	Cold/ Hot	Inrush	Holding	Current (A)	Surface Temperature (°C)
C41012VDC18W	12VDC 18W	COLD	19,56	19,56	1,63	20
		HOT	14,52	14,52	1,21	106
C41024VDC18W	24VDC 18W	COLD	20,88	20,88	0,87	25
		HOT	14,64	14,64	0,61	116
C41110VDC18W	110VDC 18W	COLD	19,96	19,96	0,18	23
		HOT	13,56	13,56	0,123	115
C41012VAC15VA	12VAC 15VA	COLD	23,81	16,43	1,3	25
		HOT	-	15,86	1,262	79
C41024VAC15VA	24VAC 15VA	COLD	25,82	15,02	0,62	22
		HOT	-	13,91	0,57	81
C41110VAC15VA	110VAC 15VA	COLD	30,65	15,17	0,137	24
		HOT	-	13,96	0,126	80
C41230VAC15VA	230VAC 15VA	COLD	31,4	15,64	0,068	25
		HOT	-	14,41	0,063	80
C41230VAC15VA	230VAC 24VA	COLD	45,1	23,92	0,0154	23
		HOT	-	21,62	0,0154	100

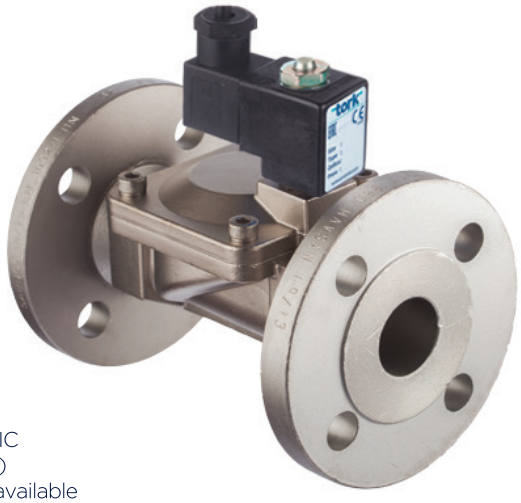
Solenoid Vave Symbol	Valve Type/ Order No	Connection Size	Orifice Size	Pressure min/max		Kv	Seal			Weight
								Option		
	SSX1010	G	mm	Bar	Bar	l/min	NBR	Viton	EPDM	kg
	SSX1010.02	3/8"	12.5	0,5	16	48	✓	✓	✓	0.74
	SSX1010.03	1/2"	12.5	0,5	16	48	✓	✓	✓	0.72
	SSX1010.04	3/4"	17	0,5	16	90	✓	✓	✓	0.86
	SSX1010.05	1"	17	0,5	16	90	✓	✓	✓	0.84
	SSX1010.06	11/4"	35	0,5	12	315	✓	✓	✓	3,45
	SSX1010.07	11/2"	40	0,5	12	430	✓	✓	✓	3,35
	SSX1010.08	2"	50	0,5	12	690	✓	✓	✓	3,78

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

Stainless Flange Solenoid Valve SSX1010-F Series (G11/4", G11/2", G2"



NORMALLY CLOSED
2/2 WAY
PILOT OPERATED
ΔP=0,5

WATER AIR GAS

ACID CHEMICAL

EXPLOSIVE ATMOSPHERE ATEX

GENERAL FEATURES

- Wide pressure range, a flow rate and orifice options.
- Solenoid valves are used with the filter.
- Solenoid valves can be mounted in any position without affecting its operation.
- Coil to be used in a vertical position.
- Minimum necessary pressure is 0,5.
- Used as explosion-proof in ZONE 1 and ZONE 2

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 : Itex II 2G Ex mb IIC T4 Gb / II 2D Ex t IIIC T135°C Db IP67 (In case of request IP68)
Cable Connection : 3 meter standard cable (other lengths available upon request)
Electrical Safety : IEC 335
Standard Voltages : AC 12V 15VA, 24V 15VA, 48V 15VA, 110V 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

MATERIALS IN CONTACT WITH FLUID

Body : Stainless Steel (AISI 316)
Internal Parts : Stainless Steel
Sealing : EPDM on request; VITON, NBR
Shading Ring : Copper (EN 12735-1)
Seats, Core Tube, Springs: Stainless Steel

OPTIONS

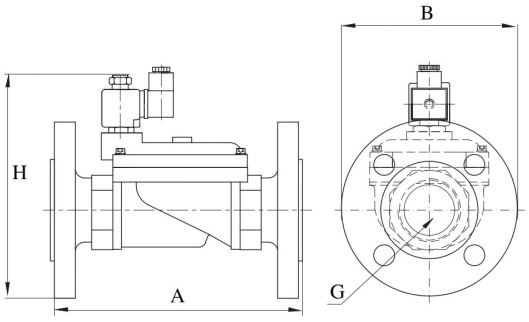
Compatible coils : C41, C43, C46 and C47 series Atex (exproof)
Connection thread : BSP; On request NPT

TECHNICAL FEATURES

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

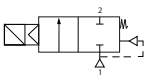
SEALS FEATURES

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	H
1"	135	114	148
11/4"	160	135	175
11/2"	160	145	180
2"	200	160	207

Coils	Nominal Values	Cold/ Hot	Inrush	Holding	Current (A)	Surface Temperature (°C)
C41012VDC18W	12VDC 18W	COLD	19,56	19,56	1,63	20
		HOT	14,52	14,52	1,21	106
C41024VDC18W	24VDC 18W	COLD	20,88	20,88	0,87	25
		HOT	14,64	14,64	0,61	116
C41110VDC18W	110VDC 18W	COLD	19,96	19,96	0,18	23
		HOT	13,56	13,56	0,123	115
C41012VAC15VA	12VAC 15VA	COLD	23,81	16,43	1,3	25
		HOT	-	15,86	1,262	79
C41024VAC15VA	24VAC 15VA	COLD	25,82	15,02	0,62	22
		HOT	-	13,91	0,57	81
C41110VAC15VA	110VAC 15VA	COLD	30,65	15,17	0,137	24
		HOT	-	13,96	0,126	80
C41230VAC15VA	230VAC 15VA	COLD	31,4	15,64	0,068	25
		HOT	-	14,41	0,063	80
C41230VAC15VA	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
	SS1010-F	DN	mm	Bar	Bar	Lt/min	EPDM	Option		kg
								VITON	NBR	
	SSX1010-F.05	25	17	0,5	16	90	✓	✓	✓	7
	SSX1010-F.06	32	30	0,5	12	315	✓	✓	✓	7,5
	SSX1010-F.07	40	39	0,5	12	430	✓	✓	✓	8
	SSX1010-F.08	50	46	0,5	12	690	✓	✓	✓	9,5

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