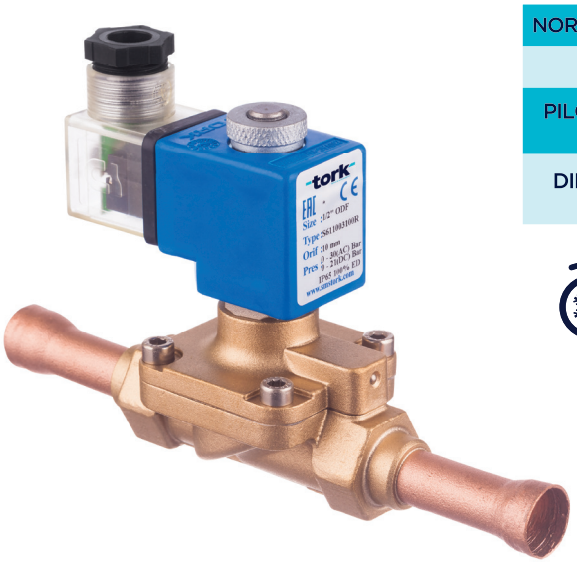
Copper Tube Welded Cooling Solenoid Valve S6110 Series (1/4", 3/8", 1/2", 5/8", 3/4", 7/8")

NORMALLY CLOSED
2 WAY
PILOT OPERATED ΔP=0.1
DIRECT ACTING ΔP=0



COOLING

GENERAL FEATURES

- Wide pressure range, flow rate and orifis options.
- Solenoid valfs are used with filters.
- Solenoid valves can be mounted in any position without affecting its operation, coil to be used in a vertical position.
- Coil should be preferred in vertical up position.
- The solenoid valve consists of an automatic control element and is used in the passage of cold fluid in cooling systems, widely pressure groups, central air conditioners, cold air tanks and bus air conditioning systems.

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(DIN43650)
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, 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	: Brass
Internal Parts	: Stainless Steel,
Sealing	: PTFE, Rubby
Shading Ring	: Copper (EN 12735-1)
Seats, Core Tube, Springs	: Stainless Steel

OPTIONS

Female connection: BSP; (On request NPT)

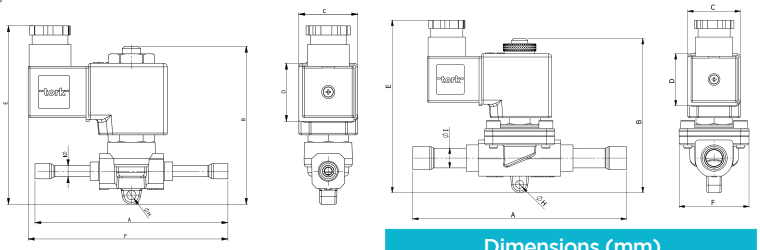
- Manual use on request.
- On request CR-Ni coating.
- On request PTFE coating.
- On request Atex (exproof) coil.

TECHNICAL FEATURES

Cooling	:CFC. HCFC. HFC
Fluid Temperature	:-30 °C ... +150 °C
Maintenance	: 100,000 roaming
Max. Opening Pressure	: 2.5 MPA
Min. Opening Pressure	: 0.3 MPA
Operating pressure	: 3.0 MPA
Confirmation	: CE

SEALS FEATURES

NBR	: -20°C...+80°C
EPDM	: -30°C...+130°C
VİTON	: -20°C...+160°C
PTFE	: -10°C...+180°C
RUBY	: -10°C...+160°C



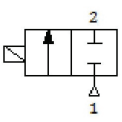
Dimensions (mm)

G	A	B	C	D	E	F	I	H
1/4"	105	86	32	32	98	110	6	5
3/8"	105	86	32	32	98	110	6	5

Dimensions (mm)

G	A	B	C	D	E	F	h	H
3/8"	130	95	32	32	105	45	5	10
1/2"	130	95	32	32	105	45	5	12
5/8"	160	105	32	32	117	55	5	16
3/4"	160	105	32	32	117	55	5	18
7/8"	170	105	32	32	117	55	5	22

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	Orifis Size	Connection Size	Operating pressure			Kv	Weight
	S6110	mm	inch	bar			(Lt/min)	kg
				min	max (AC)	max (DC)		
	S6110.01.025T	2.5	1/4" ODF	0	40	21	3.2	0,369
	S6110.01.030T	3	1/4" ODF	0	40	15	4.6	0,369
	S6110.02.030T	3	3/8" ODF	0	40	15	4.6	0,368
	S6110.02.065T	6,5	3/8" ODF	0,1	30	21	13	0,546
	S6110.02.080T	8	3/8" ODF	0,1	40	40	13.5	0,545
	S6110.03.065T	6,5	1/2" ODF	0,1	30	21	13	0,550
	S6110.03.100T	10	1/2" ODF	0,1	30	21	25	0,548
	S6110.15.125T	12,5	5/8" ODF	0,1	30	10	48	0,795
	S6110.15.150T	15	5/8" ODF	0,1	40	40	70	0,794
	S6110.04.180T	18	3/4" ODF	0,1	30	10	100	0,766
	S6110.16.180T	18	7/8" ODF	0,1	30	10	100	0,746

Not: Please look catalogues for more details.

STANDARDS

- TORK solenoid valves 97/23/EC, are available for pressure equipment directive (PED) and 2006/95/ECC low voltage directive (LVD).

TS6110EN260924

TSS1010-EN-260612