Oxygen and Hydrogen Gas Solenoid Valve S8813 Serisi (G3/8", G1/2", G3/4", G1")



HIGH PRESSURE

NORMALLY CLOSED

2 WAY

PILOT OPERATED

ΔP=0,5

OXYGEN HYDROGEN

GENERAL FEATURES

- Wide pressure range, flow rate and orifice options are available.
- Solenoid valves must be used with filters.
- Solenoid valves can be mounted in any position without affecting their operation;
- Coil should be preferred in vertical up position.
- Degreasing process has been applied.

ELECTRICAL CHARACTERISTICS

Continuous Duty	: ED %100
Coil Insulation Class	: H (180°C)(IEC 85)
Coil Impregnation	: Reinforced 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 175301803 Form A, Spade Plug (Cable Ø6-8mm)
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%, +T% 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 Stell
Sealing	: EPDM
Shading Ring	: Copper (EN 127351)
Seats, Core Tube, Springs	: Stainless Stell, Brass

OPTIONS

Connection thread	: BSP; on request NPT

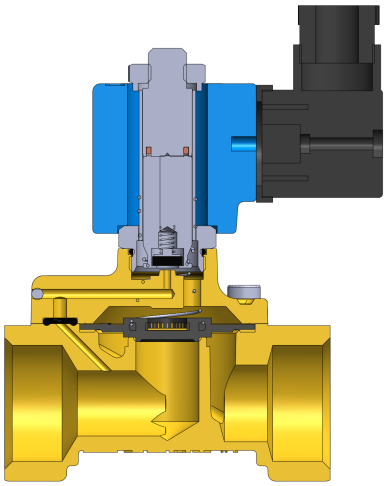
On request CR-Ni coating, PTFE coating
On request Atex (exproof) coil

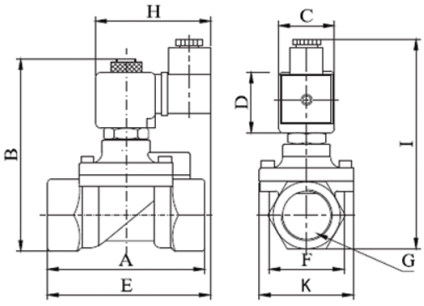
TECHNICAL FEATURES

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

SEALING FEATURES

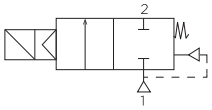
NBR	: -20°C...+80°C
EPDM	: -30°C...+130°C
VİTON	: -20°C...+160°C
PTFE	: -10°C...+160°C
RUBY	: -10°C...+160°C





Dimensions (mm)									
G	A	B	C	D	E	F	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	96	42.5	52	76	124

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

Solenoid Valve Symbol	Valve Type / Order No	Connection Size	Orifice Size	Pressure min/max		Kv	Sealing	Weight
	S8813	G	mm	Bar	Bar	Lt/min	EPDM	kg
	S8813.02	3/8"	12.5	0.5	40	48	✓	0,69
	S8813.03	1/2"	14.5	0.5	40	70	✓	0,72
	S8813.04	3/4"	17	0.5	40	90	✓	0,8
	S8813.05	1"	17	0.5	40	90	✓	0,98

TS8813EN260930

Not: Please look catalogues for more details.

STANDARDS

- Standard tube connection G (BSP) (ISO 2281) and other tube connections (NPT (ANSI 1.20.3)) are available on request
- TORK solenoid valves 97/23/EC, are available or pressure equipment directive (PED) and 2006/95/ECC low voltage directive (LVD).