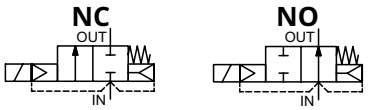
ASCO™ Solenoid Valves

AISI 316 Stainless steel | 1/2" to 2"

2/2 Series 210

Features and Benefits

- Two way shut-off valves for the control air, inert gas, water, oil and other gases/liquids compatible with the sealing material used
- All products are covered by Pressure Equipment Directive 2014/68/EU and are suitable for group 1 and 2 fluids
- The solenoid valves satisfy all relevant EU directives





General

Differential pressure	See «SPECIFICATIONS» [1 bar =100 kPa]
Maximum viscosity	65 cSt (mm²/s)
Response time	15 - 120 ms

Fluids (✶)	Temperature range (TS)	Seal materials (✶)
air, inert gas, water, oil	-20°C to +85°C	NBR (nitrile)

Materials of components in contact with fluid

(✶) Ensure that compatibility of materials in contact with fluids is verified.

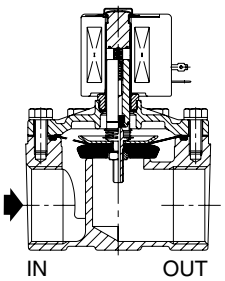
Body	AISI 316 SS
Core tube	Stainless steel
Core and plugnut	Stainless steel
Springs	Stainless steel
Seat	Stainless steel
Seals, diaphragm and disc	NBR
Disc holder (NO function)	PA
Shading coil	Silver

Electrical characteristics

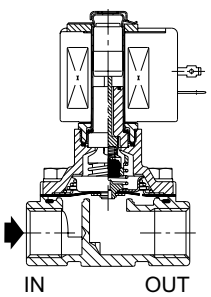
Coil insulation class	F or H
Connector	Spade plug (cable Ø 6-10 mm)
Connector specification	ISO 4400 / EN 175301-803, form A
Electrical safety	IEC 335
Electrical enclosure protection	Moulded IP65 (EN 60529)
Standard voltages	DC (=) : 24V - 48V
(Other voltages and 60 Hz on request)	AC (~) : 24V - 48V - 115V - 230V / 50 Hz

Prefix option	Power ratings				Operator ambient temperature range (TS) [1]	Replacement coil	
	Inrush ~	Holding ~		Hot/cold =		~	=
	(VA)	(VA)	(W)	(W)	(°C)	230 V/50 Hz	24 V DC
SC	55	23	10.5	-	-20 to +75	400425-117	-
	78	35	16.7	-	-20 to +50	400425-217	-
	110	33.6	15.4	12/16.8	-20 to +75	400525-117	400625-142
	240	43	20	16.8/23	-20 to +50	400525-217	400625-242
	30			-	-20 to +55	238213-059	-
	-	-	-	8.5/11.6	-20 to +55	-	238913-006

[1] For dimensions, see drawing(s) for each construction type on the following page(s).



NC function



NO function

Specifications

Pipe size	Orifice size	Flow coefficient Kv		Operating pressure differential (bar)							Power coil (W)		Stainless steel	FPM	EPDM	CR	-40°C
				Min.	Max. (PS)												
					Air (⋆)		Water (⋆)		Oil (⋆)								
	(mm)	(m^3/h)	(l/min)		~	=	~	=	~	=	~	=					
NC - Normally closed																	
Rp 1/2	16	3.4	57	0	16	16	16	16	16	-	16.7	16.8	**SCE210C587**(2)	**V**	**E**	**J**	**MF**
Rp 3/4	16	3.9	65	0	16	16	16	16	16	-	16.7	16.8	**SCE210C588**(2)	**V**	**E**	**J**	**MF**
Rp 1	25	9.6	160	0	16	16	16	16	16	10	15.4	23	**SCE210D589**(3)	**V**	**E**	**J**	**MF**
Rp 1 1/4”	32	19.3	322	0.35	9	9	9	9	9	9	8.1	11.6	**SCE210G125**	**V**	**E**	**J**	**-**
Rp 1 1/2”	32	19.3	322	0.35	9	9	9	9	9	9	8.1	11.6	**SCE210G127**	**V**	**E**	**J**	**-**
Rp 2	44	37	617	0.35	9	3	9	3	9	3	8.1	11.6	**SCE210G129**(1)	**V**	**E**	**J**	**-**
NO - Normally open																	
Rp 1/2”	16	2.6	43	0	16	16	16	16	10	10	10.5	23	**SCE210B530**	**V**	**E**	**J**	**MF**
Rp 3/4”	16	2.6	43	0	16	16	16	16	10	10	10.5	23	**SCE210B538**	**V**	**E**	**J**	**MF**
Rp 1”	19	4.7	79	0.35	16	16	16	16	10	10	10.5	16.8	**SCE210A130**	**V**	**E**	**J**	**-**
Rp 1 1/4”	25	9.6	160	0.35	9	9	9	9	9	9	15.4	16.8	**SCE210A131**	**V**	**E**	**J**	**-**
Rp 1 1/2”	32	19.3	322	0.35	9	9	9	9	9	9	15.4	16.8	**SCE210A132**	**V**	**E**	**J**	**-**
Rp 2”	44	37	617	0.35	9	9	9	9	9	9	15.4	16.8	**SCE210A133**(1)	**V**	**E**	**J**	**-**

(⋆) Ensure the complatibility of materials in contact with fluid is verified.
(1) Floating piston construction
(2) Max. operator ambient temperature (TS) 60°C, DC only
(3) Mounting position, DC only: piping horizontal, solenoid upright.

Options

- Valves can also be supplied with FPM (fluoroelastomer), EPDM (ethylene-propylene), CR (chloroprene) and LT-NBR diaphragms for -40°C, seals and discs. Use the appropriate optional suffix letter for identification
- Waterproof enclosure with embedded screw terminal coil according to protection class IP67, CEE-10
- Explosionproof enclosures for use in zones 1/21-2/22, categories 2-3 to ATEX Directive 2014/34/EU
- Electrical enclosures according to “NEMA” standards are available
- Compliance with “UL”, “CSA” and other local approvals available on request
- Other pipe connections are available on request. Pipe identifier 8 = NPT and pipe identifier G=BSP, ISO/228
- Connector with visual indication and peak voltage suppression or with cable length of 2 m

Installation

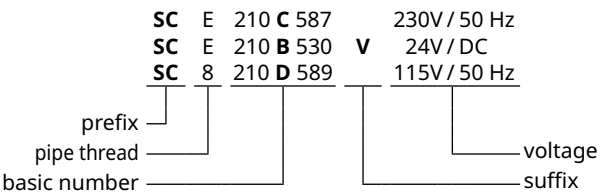
- The solenoid valves can be mounted in any position without affecting operation, unless indicated otherwise in the specifications table.
- Pipe connection is E = Rp (ISO 7/1)
- Installation/maintenance instructions are included with each valve

Spare parts kit and accessories

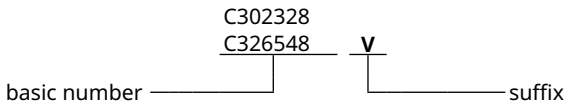
Catalog number	Spare parts kits no.		Mounting bracket
	~	=	
SCE210C587/C588	**C302328**	**C326548**	**standard**
SCE210D589	**C302329**	**C326549**	**-**
SCE210G125/G127	**C325338**	**C325365**	**-**
SCE210G129/A131	**C325366**	**C325367**	**-**
SCE210B530/B538	**C326553**	**C326550**	**standard**
SCE210A130	**C326546**	**C326547**	**-**
SCE210A132	**C325368**	**C325368**	**-**
SCE210A133	**C325369**	**C325369**	**-**

(1) Standard prefixes/suffixes are also applicable to kits.
- Not available

Ordering Examples Valves:

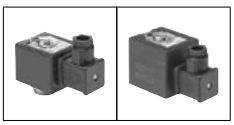


Ordering Examples Kits:



Standard prefixes/suffixes are also applicable to kits.

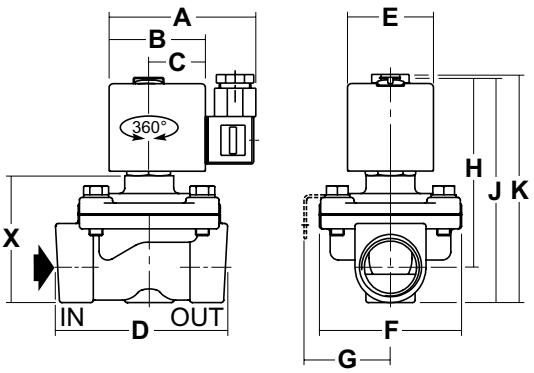
Dimensions (mm), **Weight** (kg)



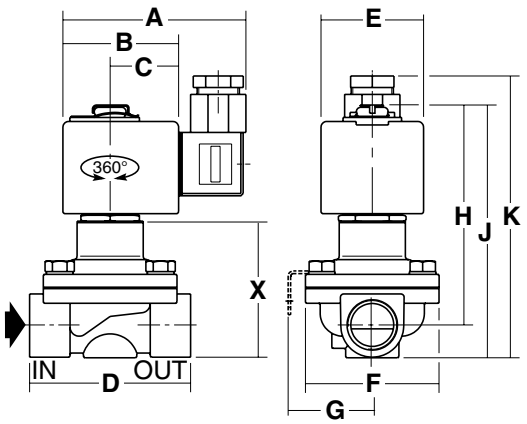
TYPE 01-02

Prefix "SC" Solenoid
Epoxy moulded
IEC 335 / ISO 4400
IP65

Type 01: SCE210C587/C588 (AC)
Type 02: SCE210/C587/C588 (DC)
SCE210D589 (AC/DC)



Type 01: SCE210B530/B538 (AC)
Type 02: SCE210B530/B538 (DC)



Type	Prefix option	Catalog number	A	B	C	D	E	F	G	H	J	K	X	Weight (1)
01	SC	SCE210C587/C588	86	51	30	70	45	58	41	87	105	119	55	1.0
		SCE210B530/B538	86	51	30	71	45	58	41	98	116	127	67	1.0
02	SC	SCE210C587/C588	91	56	33	71	50	58	41	97	116	112	55	1.1
		SCE210D589	91	56	33	95	50	58	41	112	134	134	75	2.2
		SCE210B530/B538	91	56	33	71	50	58	41	105	123	119	67	1.1

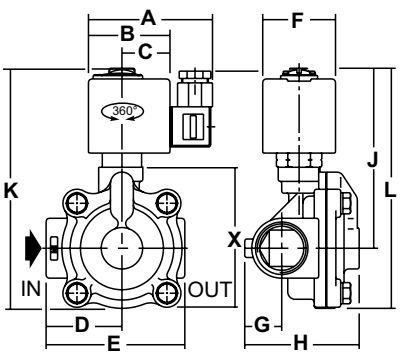
(1) Incl. coil(s) and connector(s)



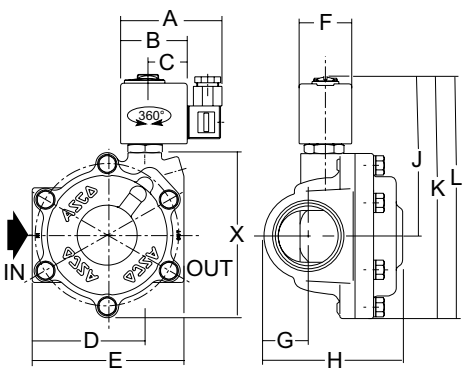
TYPE 03

Prefix "SC" Solenoid
Epoxy moulded
IEC 335 / ISO 4400
IP65

Type 03: SCE210A130(AC/DC)



SCE210A131/A132/A133(AC/DC)



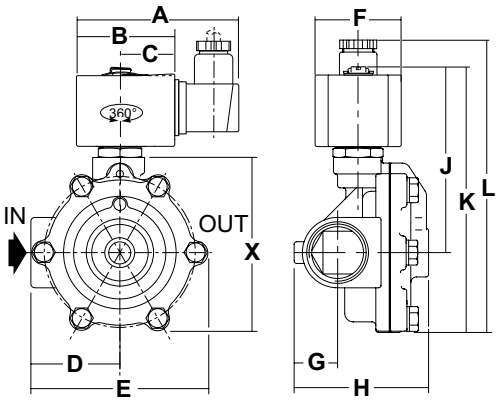
Type	Prefix option	Catalog number	A	B	C	D	E	F	G	H	J	K	L	X	Weight (1)
03	SC	SCE210A130	91	56	33	52	95	50	22	80	125	166	162	102	2.1
		SCE210A131/A132	91	56	33	58	115	50	33	99	128	177	174	109	2.7
		SCE210A133	91	56	33	64	129	50	39	117	138	208	205	140	4.3

(1) Incl. coil(s) and connector(s)

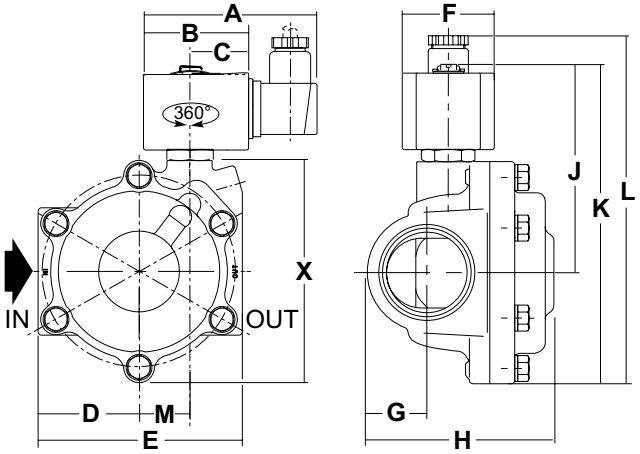


TYPE 04-05
Prefix "SC" Solenoid
Epoxy moulded
IEC 335 / ISO 4400
IP65

Type 04 (AC): SCE210G125/127
Type 05 (DC): SCE210G125/127



Type 04 (AC): SCE210G129
Type 05 (DC): SCE210G129



Type	Prefix option	Catalog number	A	B	C	D	E	F	G	H	J	K	L	X	Weight [1]
04	SC	SCE210G125/G127	80	45	28	58	115	39	33	99	105	155	172	109	2.4
		SCE210G129	80	45	28	64	129	39	39	117	116	186	203	140	4.0
05	SC	SCE210G125/G127	85	50	30	58	115	45	33	99	110	159	175	109	2.6
		SCE210G129	85	50	30	64	129	45	39	117	120	190	206	140	4.2

[1] Incl. coil(s) and connector(s)

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