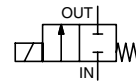




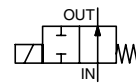
# SOLENOID VALVES

direct operated  
for low pressure fluids  
3/8 to 3/4

NC



NO



2/2  
Series  
030

## FEATURES

- For gas pilot control on industrial power boilers and low pressure gas control on gas-fired ovens and furnaces
- The normally open type is particularly suited for venting systems in gas installations
- Brass bodied low pressure valves designed to provide maximum flow
- Direct lift solenoid valves have a resilient soft seating for absolute tight shut-off on low pressures
- The solenoid valves do not require a minimum operating pressure
- The solenoid valves satisfy all relevant EC directives

## GENERAL

**Differential pressure** See «SPECIFICATIONS» [1 bar =100 kPa]  
**Response time** 5 - 40 ms

fluids (*)	temperature range (TS)	seal materials (*)
air, gas, water	-20°C to +90°C	NBR (nitrile)



## MATERIALS IN CONTACT WITH FLUID

(\*) Ensure that the compatibility of the fluids in contact with the materials is verified

<b>Body</b>	Brass
<b>Core tube</b>	Stainless steel
<b>Core and plugnut</b>	Stainless steel
<b>Core spring</b>	Stainless steel
<b>Seat</b>	Brass
<b>Seals</b>	NBR
<b>Discs</b>	NBR
<b>Shading coil</b>	Copper

## ELECTRICAL CHARACTERISTICS

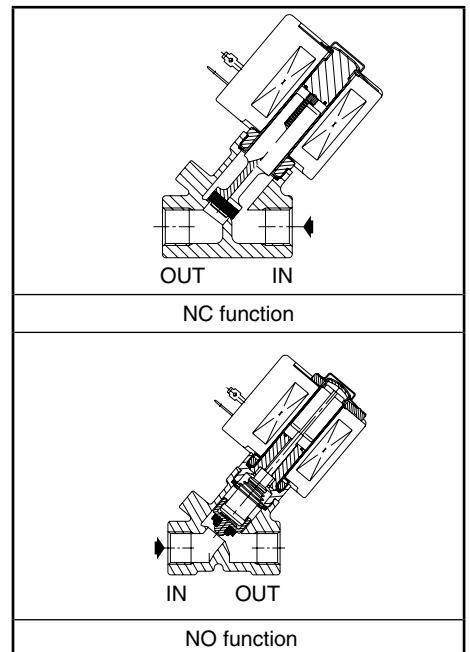
**Coil insulation class** F  
**Connector** Spade plug (cable Ø 6-10 mm)  
**Connector specification** ISO 4400 / EN 175301-803, form A  
**Electrical safety** IEC 335  
**Electrical enclosure protection** Moulded IP65 (EN 60529)  
**Standard voltages** DC (=) : 24V - 48V  
(Other voltages and 60 Hz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

prefix option	power ratings				operator ambient temperature range (TS) (C°)	replacement coil		type <sup>(1)</sup>
	inrush ~	holding ~	hot/cold =			~	=	
	(VA)	(VA)	(W)	(W)		230 V/50 Hz	24 V DC	
SC	34	15,6	6	7 / 9,7	-20 to +75	400325-117	400325-142	01
	55	23	10,5	9/11,2	-20 to +75	400425-117	400425-142	02
	78	35	16,7	-	-20 to +50	400425-217	-	02
	110	33,6	15,4	12/16,8	-20 to +75	400525-117	400625-142	03
	240	43	20	-	-20 to +50	400525-217	-	03

<sup>(1)</sup> Refer to the dimensional drawings on the following page.

## SPECIFICATIONS

pipe size	orifice size	flow coefficient Kv		min.	operating pressure differential (bar)				power coil (W)		catalogue number	options			
					max. (PS)							maintained man. operator	FPM	EPDM	CR
					air/gas (*)		water (*)								
Rp	(mm)	(m³/h)	(l/min)		~	=	~	=	~	=	~/=				
<b>NC - Normally closed</b>															
3/8	9	1,5	25	0	0,5	0,2	0,35	0,2	6	9,7	SCE030B010	-	V	E	J
					1	0,25	1	0,25	10,5	11,2					
1/2	11	2,4	40	0	0,3	-	0,4	-	6	-	SCE030A016	-	V	E	J
					1	0,4	1	0,4	15,4	16,8					
3/4	19	4,3	71,7	0	0,15	0,07	0,15	0,07	10,5	11,2	SCE030B003	-	V	E	J
					0,3	-	0,3	-	16,7	-					
<b>NO - Normally open</b>															
3/8	9	1,4	23,3	0	1	0,17	1	0,15	15,4	16,8	SCE030A070	-	V	E	J
1/2	11	1,9	31,7	0	1	0,17	1	0,15	20	16,8	SCE030A071	-	V	E	J



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V270-1

### OPTIONS

- Valves can also be supplied with FPM (fluoroelastomer), EPDM (ethylene-propylene) and CR (chloroprene) seals and discs. Use the appropriate optional suffix letter for identification
- Several worldwide gas approvals, see combustible gas section
- 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 94/9/EC (see "Explosionproof solenoids" section)
- Electrical enclosures according to "NEMA" standards are available
- Compliance with "UL", "CSA" and other local approvals available on request
- Mounting brackets, suffix MB
- Other pipe connections are available on request
- Plug with visual indication and peak voltage suppression or with cable length of 2 m (see Solenoids, Coils & Accessories section)

### INSTALLATION

- The solenoid valves can be mounted in any position without affecting operation
- Pipe connection identifier is E = Rp (ISO 7/1)
- Installation/maintenance instructions are included with each valve

### SPARE PARTS KIT & ACCESSORIES

catalogue number	spare parts kit no.		mounting bracket no.
	~	=	
SCE030B003	C302791	C302818	038713-000
SCE030B010	C302787	C302815	093200-001
SCE030B013	C302788	C302816	093200-001
SCE030A016	C302789	-	093200-001
SCE030A017	C302790	C302817	093200-001
SCE030B043	C302791	-	038713-000
SCE030A070	C302797	C302824	093200-001
SCE030A071	C302798	C302824	093200-001

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

### ORDERING EXAMPLES:

SC	E	030	B	003	230V / 50 Hz
SC	E	030	B	013	MO 115V / 50 Hz
SC	E	030	A	017	V 24V / DC
SC	E	030	A	071	230V / 50 Hz

prefix      pipe thread      basic number      voltage      suffix

### ORDERING EXAMPLES KITS:

C302791 <sup>(1)</sup>	
C302816	V
C302817	E

basic number      suffix

### DIMENSIONS (mm), WEIGHT (kg)



#### TYPE 01-02-03

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

Type 01: SCE030B010/A016

Type 02: SCE030B013

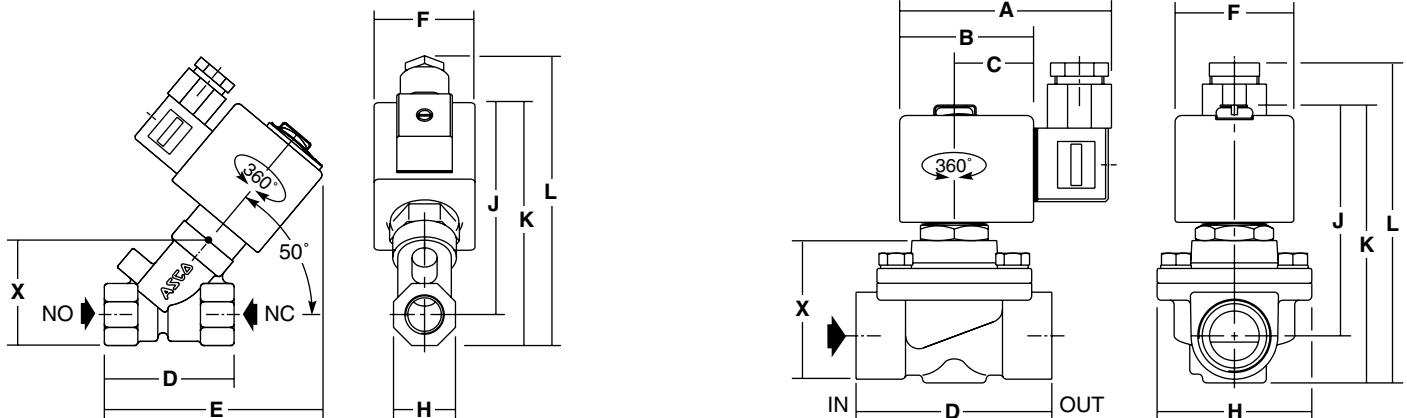
Type 03: SCE030A017/A070/A071



#### TYPE 02

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

SCE030B003/B043



type	prefix option	catalogue number	A	B	C	D	E	F	H	J	K	L	X	weight <sup>(2)</sup>
01	SC	SCE030B010	-	-	-	48	75	39	22	77	88	122	36	0,5
		SCE030A016	-	-	-	58	87	39	28	82	96	130	49	0,5
02	SC	SCE030B013	-	-	-	48	80	45	22	84	95	126	36	0,5
		SCE030B003 / B043	80	50	30	73	-	45	58	87	104	114	54	0,9
03	SC	SCE030A017	-	-	-	58	98	50	28	94	108	128	42	0,9
		SCE030A070	-	-	-	48	88	50	22	97	108	126	36	0,7
		SCE030A071	-	-	-	58	108	50	28	99	113	131	42	0,8

<sup>(2)</sup> including coil and connector.