

FEATURES

- Solenoid valves with three ports in body enabling convenient installation
- Two maximum pressure ratings depending on coil power
- Coils interchangeable without dismantling the valve
- Optional maintained or impulse manual operator
- The solenoid valves satisfy all relevant EC directives

GENERAL

Differential pressure	See «SPECIFICATIONS» [1 bar = 100 kPa]
Maximum viscosity	40 cSt (mm²/s)
Response time	5- 20 ms

fluids (*)	temperature range (TS)	seal materials (*)
air, inert gas, water, oil	- 25°C to + 80°C	NBR (nitrile) VMQ (silicone)

MATERIALS IN CONTACT WITH FLUID

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

	Brass body	Stainless steel body
Body	Brass	AISI 316L (1.4404)
Internal parts	Stainless steel, plastic	Stainless steel
Springs	Stainless steel	Stainless steel
Seats	Brass	Brass
Discs	NBR (FPM or EPDM)	NBR (FPM or EPDM)
O'rings	VMQ	VMQ
Disc holder and core guide	POM	POM
Shading coil	Copper	Copper

ELECTRICAL CHARACTERISTICS

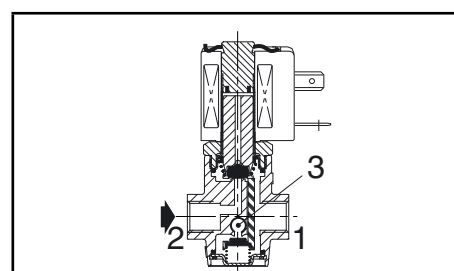
Coil insulation class	F
Connector	Spade plug (cable Ø 6-10 mm)
Connector specification	ISO 4400 / EN 175301-803, form A
Electrical safety	IEC 335
Electrical enclosure protection	Moulded IP65 (EN 60529)
Standard voltages	DC (=): 24V - 48V AC (~): 24V - 48V - 115V - 230V / 50 Hz
(Other voltages and 60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

prefix option	power ratings				operator ambient temperature range (TS)	replacement coil		type ⁽¹⁾
	inrush	holding		hot/cold		~	=	
	~	~	=					
	(VA)	(VA)	(W)	(W)	(C°)	230 V/50 Hz	24 V DC	
SC	23	14	8	8 / 10,8	-25 to + 60	43005096	43005099	01
	55	23	10.5	9 / 11.2	-25 to + 60	400425-117	400425-142	02

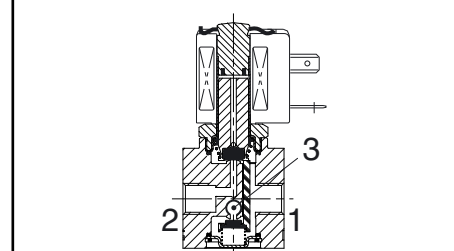
⁽¹⁾ Refer to the dimensional drawings on the following page..

SPECIFICATIONS

pipe size	orifice size	flow coefficient Kv		operating pressure differential (bar)				power coil (W)		catalogue number				options			
														maintained man. operator	FPM	EPDM	
				min.	max. (PS)		air (*)	water/oil (*)	brass	stainless steel							
(G*)	(mm)	(m³/h)	(l/min)		~	=					~	=	~	=	~	=	
NC - Normally closed																	
1/4	2	0,11	1,8	0	16 16	8 16	16 16	8 16	8 10,5	10,8 11,2	SCE370A001 SCE370A016	SCE370A061 SCE370A016	SCE370A031 SCE370A046	SCE370A070 SCE370A046	MS MS	V V	E E
	2,7	0,2	3,3	0	10 10	5 10	10 10	5 10	8 10,5	10,8 11,2	SCE370A002 SCE370A017	SCE370A062 SCE370A017	SCE370A032 SCE370A047	SCE370A071 SCE370A047	MS MS	V V	E E
	3,8	0,3	5	0	5 5	2 5	5 5	2 5	8 10,5	10,8 11,2	SCE370A003 SCE370A018	SCE370A063 SCE370A018	SCE370A033 SCE370A048	SCE370A072 SCE370A048	MS MS	V V	E E
	U - Universal																
1/4	2	0,11	1,8	0	8 8	4 8	8 8	4 8	8 10,5	10,8 11,2	SCE370A011 SCE370A026	SCE370A064 SCE370A026	SCE370A041 SCE370A056	SCE370A073 SCE370A056	MS MS	V V	E E
	2,7	0,2	3,3	0	5 5	2 5	5 5	2 5	8 10,5	10,8 11,2	SCE370A012 SCE370A027	SCE370A065 SCE370A027	SCE370A042 SCE370A057	SCE370A074 SCE370A057	MS MS	V V	E E
	3,8	0,3	5	0	2 2	0,5 2	2 2	0,5 2	8 10,5	10,8 11,2	SCE370A013 SCE370A028	SCE370A066 SCE370A028	SCE370A043 SCE370A058	SCE370A075 SCE370A058	MS MS	V V	E E
	NO - Normally open																
1/4	2	0,11	1,8	0	10 10	- 10	10 10	- 10	8 10,5	10,8 11,2	SCE370A006 SCE370A021	- SCE370A021	SCE370A036 SCE370A051	- SCE370A051	MS MS	V V	E E
	2,7	0,2	3,3	0	7 7	- 7	7 7	- 7	8 10,5	- 11,2	SCE370A007 SCE370A022	- SCE370A022	SCE370A037 SCE370A052	- SCE370A052	MS MS	V V	E E
	3,8	0,3	5	0	3 3	- 3	3 3	- 3	8 10,5	10,8 11,2	SCE370A008 SCE370A023	- SCE370A023	SCE370A038 SCE370A053	- SCE370A053	MS MS	V V	E E



NC function (brass body)



U function (stainless steel body)

OPTIONS

- Valves can also be supplied with FPM (fluoroelastomer) and EPDM (ethylene-propylene) 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 (prefix WP or WS)
- Explosionproof enclosures for use in zones 1/21-2/22, categories 2-3 to ATEX Directive 94/9/EC (see "Explosionproof solenoids" section)
- Class H coil (10,5 W/11,2 W), prefix HT, example: SCHTE370A016
- Impulse or maintained manual operator, suffix MO (brass body valves)
- Oxygen service with seals and disc in FPM, suffix N, example: SCE370A016NV
- Mounting holes on stainless steel version: 2 ØM4, 7 mm depth, available on request, please contact us
- 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
- Brass body solenoid valves have 2 mounting holes in body
- Pipe connections (G*) have standard combination thread according to ISO 228/1 and ISO 7/1
- Installation/maintenance instructions are included with each valve

SPARE PARTS KIT

catalogue number	spare parts kit no.		
	~	=	maintained man. operator
SCE370A001/002/003	C140044	-	C140048
SCE370A031/032/033	C140044	-	C140072
SCE370A016/017/018	C140044	C140044	C140048
SCE370A046/047/048	C140044	C140044	C140072
SCE370A061/062/063	-	C140043	C140048
SCE370A070/071/072	-	C140044	C140072
SCE370A011/012/013	C140047	-	C140048
SCE370A041/042/043	C140047	-	C140072
SCE370A026/027/028	C140047	C140047	C140048
SCE370A056/057/058	C140047	C140047	C140072
SCE370A064/065/066	-	C140046	C140048
SCE370A073/074/075	-	C140046	C140072
SCE370A006/007/008	C140045	-	C140048
SCE370A036/037/038	C140045	-	C140072
SCE370A021/022/023	C140045	C140045	C140048
SCE370A051/052/053	C140045	C140045	C140072

(1) Standard suffixes E and V are also applicable to kits.
- Not available

ORDERING EXAMPLES:

SC	E	370	A	016	MS	230V / 50 Hz
SC	E	370	A	046	V	115V / 50 Hz
SC	E	370	A	002	MS	24V / DC
SC	E	370	A	061		230V / 50 Hz

prefix ———
 pipe thread ———
 basic number ———

voltage ———
 suffix ———

ORDERING EXAMPLES KITS:

	C140044 ⁽¹⁾	
	C140043	V
	C140045	E
basic number		suffix

DIMENSIONS (mm), WEIGHT (kg)



TYPE 01-02

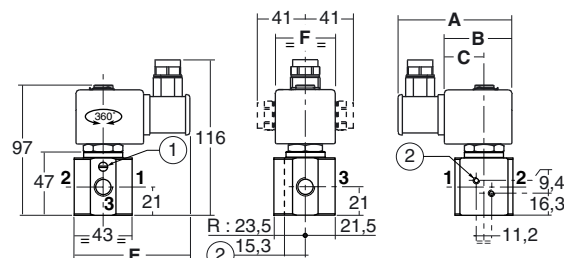
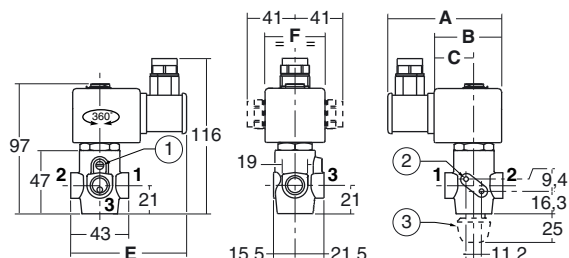
Prefix "SC" Solenoid
Epoxy moulded
IEC 335 / ISO 4400
IP65

Type 01: SCE370A001/002/003/061/062/063/011/012/013/
064/065/066/006/007/008

Type 02: SCE370A016/017/018/026/027/028/021/022/023

**Type 01: SCE370031/032/033/070/071/072/041/042/043/
073/074/075/036/037/038**

Type 02: SCE370A046/047/048/056/057/058/051/052/053



type	prefix option	catalogue number	A	B	C	E	F	weight ⁽²⁾
01	SC	SCE370A001/002/003/061/062/063/ 011/012/013/064/065/066/006/007/008	70	35	20	77	30	0,430 ⁽³⁾
		SCE370031/032/033/070/071/072/ 041/042/043/073/074/075/036/037/038	70	35	20	77	30	0,670
02	SC	SCE370A016/017/018/026/027/028/ 021/022/023	85	50	30	86	45	0,600 ⁽³⁾
		SCE370A046/047/048/056/057/058/ 051/052/053	85	50	30	86	45	0,820

(2) including coil and connector. (3) +0.030 kg with push-turn manual operator.

- ① Manual operator location.
- ② Mounting 2 Ø M4, 7 mm depth (Option with stainless steel body valves).
- ③ Impulse or maintained manual operator (suffix MO).