

### FEATURES

- Valves for medical analysers, biotechnology, gas analysers
- Can be used to control acids and bases, as well as analytical reagents
- Any application where the fluid may not come into contact with metal parts and with the electromagnetic control section of the solenoid valves
- The valves are ideal for controlling aggressive fluids or when high purity is demanded and have easy to flush internal cavities
- They can also be used as a very small internal volume flow-through sampling valve due to rocker technology
- Hermetic separation of control mechanism and fluid
- Reduced heat exchange between coil and fluid
- Protected manual operator
- The use of first class materials and thorough valve testing ensure high reliability and a lifetime of at least 1 million cycles
- The solenoid valves satisfy all relevant EC directives

### GENERAL

Differential pressure	-0,7 to +2 bar (usable in 0,3 bar abs. vacuum) [1 bar =100 kPa]
Maximum viscosity	20 cSt (mm²/s)
Response time	< 20 ms
Internal volume	< 75 µl (connections not included)

fluids (*)	temperature range (TS)	seal materials (*)
liquids or gases	0°C to + 40°C	EPDM (ethylene-propylene)

### CONSTRUCTION

Body	PA12
Internal parts	Stainless steel

### MATERIALS IN CONTACT WITH FLUID

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

Cover	PEEK
Diaphragm-poppets	EPDM

### ELECTRICAL CHARACTERISTICS

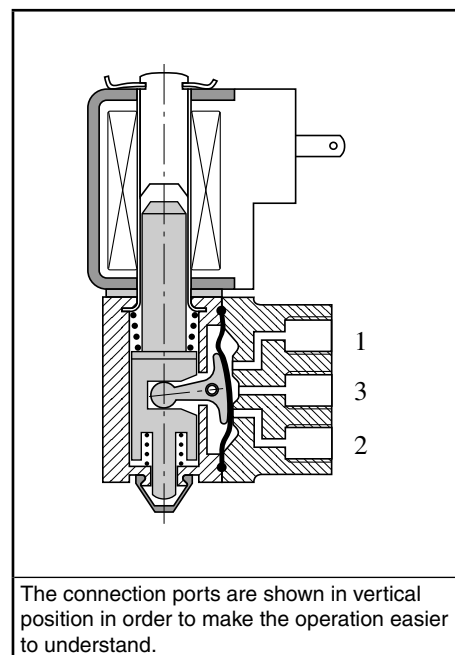
Coil insulation class	F
Coil	Two spade terminals 2.8 x 0.5 mm (DIN 46340)
Electrical safety	IEC 335
Electrical enclosure protection	IP40 (EN60529)
Standard voltages	DC (=) : 12V - 24V
(Other voltages on request)	

prefix option	power ratings				operator ambient temperature range (TS) (C°)	replacement coil		type <sup>(1)</sup>
	inrush ~ (VA)	holding ~ (VA)	hot/cold = (W)	= (W)		-	=	
	(VA)	(VA)	(W)	(W)		-	24 V DC	
SC	-	-	-	4 / 5	-5 to + 40	-	43004663	01

<sup>(1)</sup> 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 (protected impulse manual operator)
				min.	max. (PS)					
					gases (*)	liquids (*)				
	(mm)	(m³/h)	(l/min)		=	=	~	=	=	
U - Universal										
1/4-28 UNF	1,5	0,05	0,75	-0,7	2	2	-	5	SCE360A404	



### OPTIONS

- Other diaphragm materials are available

### INSTALLATION

- The solenoid valves can be mounted in any position without affecting operation
- Standard mounting holes provided at the rear end of the body
- Port connection thread (1/4-28 UNF). Max. torque, see below
- Replacement coils are available
- Installation/maintenance instructions are included with each valve

### ORDERING EXAMPLES:

SC	E	360	A	404	12V / DC
SC	E	360	A	404	24V / DC
prefix	pipe thread	basic number			voltage
					suffix

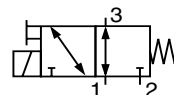
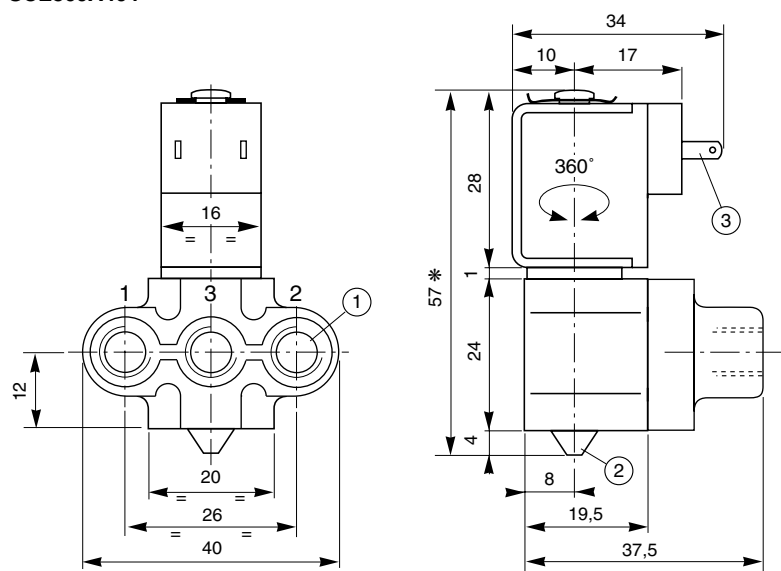
### DIMENSIONS (mm), WEIGHT (kg)



#### TYPE 01

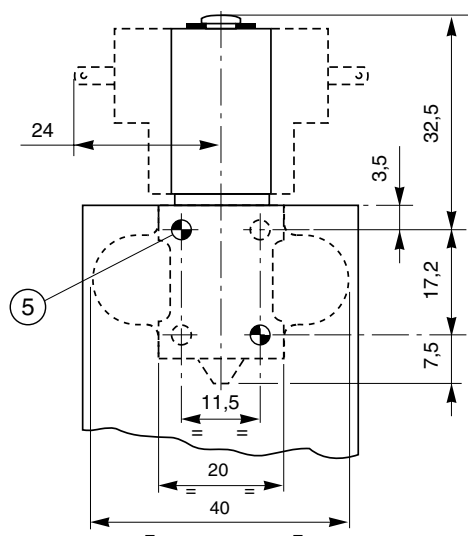
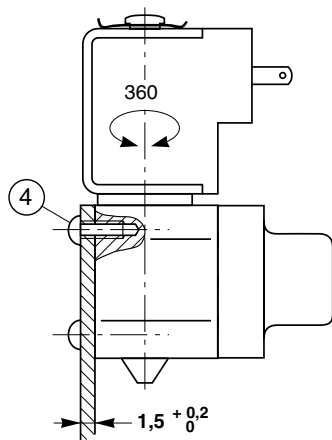
Prefix "SC" Solenoid  
DIN 43340

SCE360A404



- ① Threaded connection:  
3 x 1/4-28 UNF.  
Max. torque 3 N.m
- ② Protected impulse type manual operator
- ③ Coil with two spade terminals 2,8 x 0,5 (DIN 46340)

### REAR MOUNTING



- ④ 2 self thread cutting «Torx» screws  
K 22 x 6 - A2 stainless steel  
(screws delivered)  
- use these screws only  
- use plate with correct thickness  
- max. torque: 0,3 N.m
- ⑤ Two mounting holes 2.5 mm dia.  
Solenoid valve body has four  
holes for mounting purpose

type	prefix option	weight <sup>(1)</sup>
01	SC	0,55

<sup>(1)</sup> Incl. coil.

All leaflets are available on: [www.asconumatics.eu](http://www.asconumatics.eu)