

### FEATURES

- Compact design and low weight enabling easy installation on all AD valves
- Manual operator allows an easy installation
- AC/DC interchangeability of the solenoid without disassembly of the valve
- The solenoid valves satisfy all relevant EC Directives

### GENERAL

**Max. pilot pressure** 0 to 10 bar [1 bar =100 kPa]  
**Maximum viscosity** 40 cSt (mm<sup>2</sup>/s)  
**Response time** See AD valve leaflets

fluids (*)	temperature range (TS)	seal materials (*)
filtered air and water	- 10°C to + 80°C	NBR (nitrile)

### MATERIALS IN CONTACT WITH FLUID

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

**Body** Brass  
**Core tube** Stainless steel  
**Core and plugnut** Stainless steel  
**Springs** Stainless steel  
**Seats** Brass  
**Seals** NBR  
**Shading coil** 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) (C°)	replacement coil		type <sup>(1)</sup>
	inrush ~		holding ~			~	=	
	(VA)	(VA)	(W)	(W)		230 V/50 Hz	24 V DC	
SC	55	23	10,5	9 / 11,2	-10 to + 60	400425-117	400425-142	01

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

### SPECIFICATIONS

pipe size	orifice size		flow coefficient Kv				min. <sup>(3)</sup>	operating pressure differential (bar)				power coil (W)		catalogue number with maintained manual operator ~/=
	1→2	2→3	1→2		2→3			max. (PS)						
	(mm)	(mm)	(m <sup>3</sup> /h)	(l/min)	(m <sup>3</sup> /h)	(l/min)		air (*)		water (*)		~	=	
(G*)								~	=	~	=	~	=	
<b>NC - Normally closed</b>														
1/4	2,7	2,5	0,22	3,6	0,15	2,5	0	10	10	10	10	10,5	11,2	<b>SCE374A099MS <sup>(2)</sup></b>

<sup>(2)</sup> Solenoid valve with 1/4 adapter.

<sup>(3)</sup> Refer to leaflets on series 290/390 valves which show the minimum pilot pressure for each version of the product.



### OPTIONS

- Explosionproof enclosures for use in zones 1/21-2/22, categories 2-3 to ATEX Directive 94/9/EC (see "Explosionproof solenoids" section)
- Plug with visual indication and peak voltage suppression or with cable length of 2 m (see Solenoids, Coils & Accessories section)
- flow control device to fit port 3 (to increase air-operated pilot depressurization time): - G 1/8, catalogue number: **34600107**
- Class H coil
- Stainless steel body

### INSTALLATION

- The solenoid valves can be mounted in any position without affecting operation
- Pipe connection 1/4 (G\*) has standard combination thread according to ISO 228/1 and ISO 7/1. Pipe connection G 1/8 has standard thread according to ISO 228/1
- Installation/maintenance instructions are included with each valve

### SPARE PARTS KIT

catalogue number	spare parts kit no.		
	~	=	maintained manual operator
SCE374A099MS	<b>C140038</b>	<b>C140037</b>	<b>C140048</b>

### ORDERING EXAMPLES:

SC	G	374	A	099	MS	230V / 50 Hz
SC	G	374	A	099	MS	24V / DC
catalogue number						voltage

### ORDERING EXAMPLES KITS:

C140037
basic number

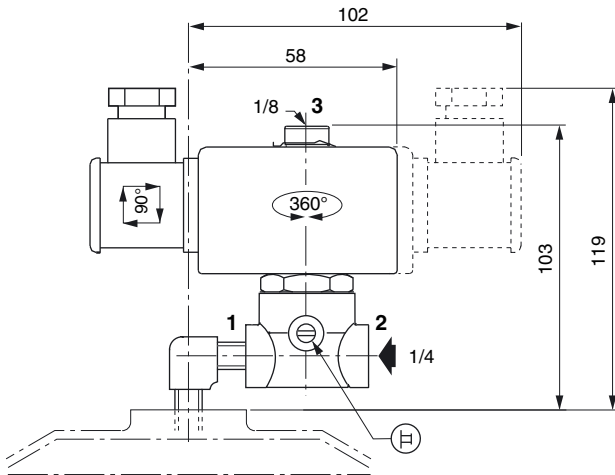
### DIMENSIONS (mm), WEIGHT



#### TYPE 01

Prefix "SC" Solenoid (Pilot 374)  
Epoxy moulded  
IEC 335 / ISO 4400  
IP65

SCE374A099MS



prefix option	weight <sup>(1)</sup>
SC	0,530

<sup>(1)</sup> including adapter connection, coil and connector.