

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 (mm²/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 ⁽¹⁾
	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

⁽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 with maintained manual operator ~/=	
							max. (PS)							
	1→2	2→3	1→2	2→3	min. ⁽³⁾	air (*)		water (*)						
(G*)	(mm)	(mm)	(m ³ /h)	(l/min)	(m ³ /h)	(l/min)		~	=	~	=	~	=	
NC - Normally closed														
1/4	2,7	2,5	0,22	3,6	0,15	2,5	0	10	10	10	10	10,5	11,2	SCE374A099MS ⁽²⁾

⁽²⁾ Solenoid valve with 1/4 adapter.

⁽³⁾ Refer to leaflets on type AD valves which show the minimum pilot pressure for each version of the product.



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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 2m (see Solenoids, Coils & Accessories section)
- Flow control device to fit port 3 - 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	C140038	C140037	C140048

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:

basic number	C140037
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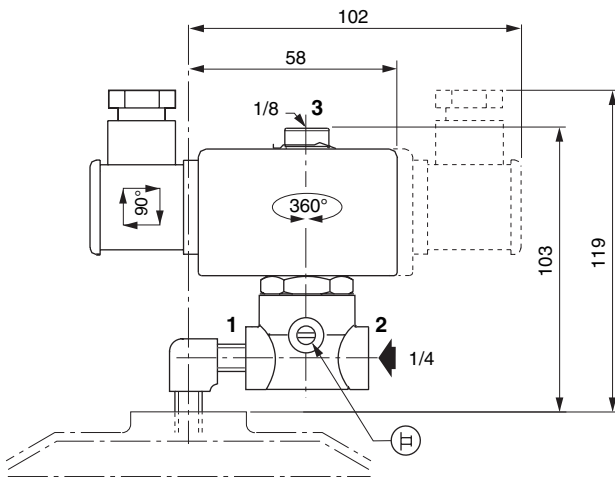
DIMENSIONS (mm), WEIGHT (kg)



TYPE 01

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

SCE374A099MS



prefix option	weight ⁽¹⁾
SC	0,530

⁽¹⁾ including adapter connection, coil and connector.