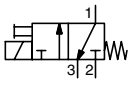
SOLENOID PILOT VALVES

with 290/390 valves, with 90 & 125 mm operators
direct operated
1/4

NC



3/2
Series
374
356

FEATURES

- *Compact design and low weight enabling easy installation on all series 290 & 390 valves with 90 & 125 mm operators*
- *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

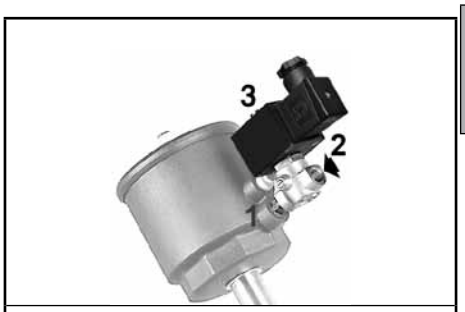
Max. pilot pressure	0 to 10 bar [1 bar =100 kPa]
Maximum viscosity	40 cSt (mm^2/s)
Response time	See page V402-7

pilot (series)	fluids (✳)	temperature range (TS)	seal materials (✳)
374	filtered air and water	-10°C to +60°C	NBR (nitrile)
356			

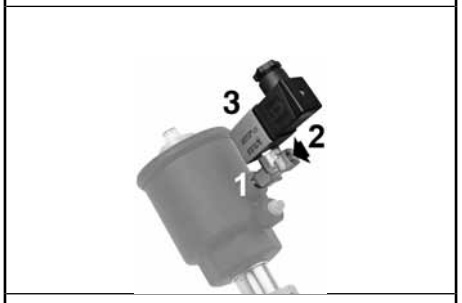
MATERIALS IN CONTACT WITH FLUID

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

	Pilot 374	Pilot 356
Body	Brass or st. steel AISI 316L	Brass or st. steel AISI 316
Core tube	Stainless steel	Stainless steel
Core and plugnut	Stainless steel	Stainless steel
Springs	Stainless steel	Stainless steel
Seats	Brass	Brass
Seals	NBR	FPM
Shading coil	Copper	Copper



374 pilot



pilot 356

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: inrush ~ (VA)	power ratings: holding ~ (VA)	power ratings: holding ~ (W)	power ratings: hot/cold = (W)	operator ambient temperature range (TS) (C°)	replacement coil ~ 230 V/50 Hz	replacement coil = 24 V DC	type (1)
SC	55	23	10,5	9 / 11,2	-10 to +60	400425-117	400425-142	01
	15	7	5	5 / 6,9	-10 to +60	400727-117	400727-185	02

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

SPECIFICATIONS

pipe size	orifice size 2→1	orifice size 1→3	flow coefficient Kv 2→1		flow coefficient Kv 1→3		operating pressure differential (bar) min. (3)	max. (PS) air (✳) ~	max. (PS) air (✳) =	max. (PS) water (✳) ~	max. (PS) water (✳) =	power coil (W) ~	power coil (W) =	catalogue number with maintained manual operator brass body ~/=	catalogue number with maintained manual operator stainless steel body ~/=
G	(mm)	(mm)	(m^3/h)	(l/min)	(m^3/h)	(l/min)									
NC - Normally closed, series 374															
1/4	2,7	2,5	0,22	3,6	0,15	2,5	0	10	10	10	10	10,5	11,2	**SCE374A098MS** (2)	**SCE374A085MS** (2)
NC - Normally closed, series 356															
1/4	1,6	1,2	0,08	1,33	0,05	0,8	0	10	10	10	10	5	6,9	**SCG356B467VMS** (2)	**SCG356B473VMS** (2)

(2) Solenoid valve with 1/4 adapter.
(3) Refer to leaflets on series 290/390 valves which show the minimum pilot pressure for each version of the product.

00198GB-2013/R01
Availability, design and specifications are subject to change without notice. All rights reserved.

OPTIONS

- Explosionproof enclosures for use in zones 1/21-2/22, categories 2-3 to ATEX Directive 94/9/EC (see “Explosionproof solenoids” section)
- flow control device to fit port 3 (to increase air-operated pilot depressurization time):
  M5, catalogue number: **34600380** / 1/8, catalogue number: **34600107**
- 374 pilot: Class H coil
- 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 1/4 (G*) has standard combination thread according to ISO 228/1 and ISO 7/1. Pipe connection G 1/8 or G 1/4 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
SCE374A098 MS	**C140038**	**C140037**	**C140048**

ORDERING EXAMPLES:

SC E 374 A 098 MS — 230V / 50 Hz
SC G 356 B 467 VMS — 24V / DC

catalogue number — voltage

ORDERING EXAMPLES KITS:

C140037

basic number

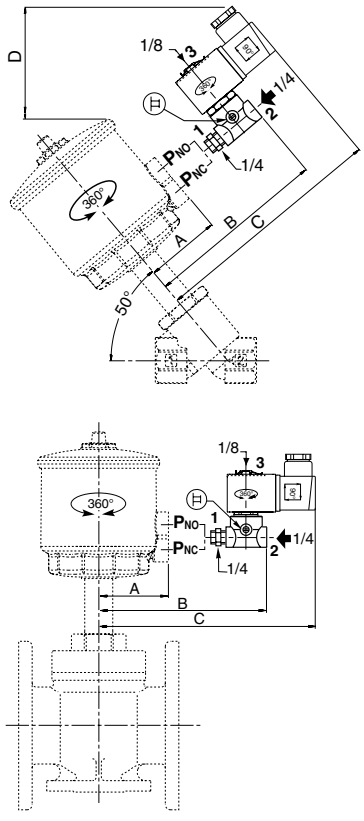
DIMENSIONS (mm), WEIGHT



TYPE 01

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

SCE374A098MS/085MS



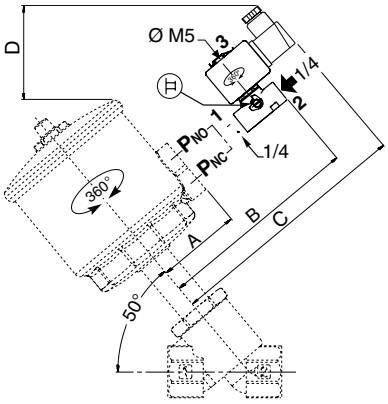
90 and 125 mm operators

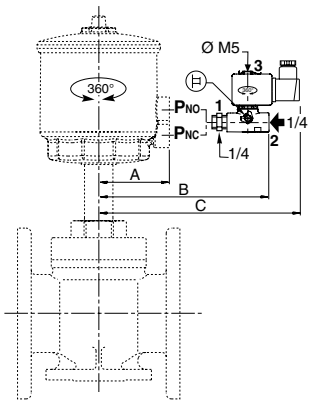


TYPE 02

Prefix “SC” Solenoid (Pilot 356)
Epoxy moulded
IEC 335 / ISO 4400
IP65

SCG356B467VMS/473VMS





90 and 125 mm operators

type	prefix option	pilot	operator diameter	A	B	C	D		pilot inlet		weight (1)
							NC	NO	NC	NO	
01	SC	374 series	90 mm	67	128	169	72	91	P_{NC}	P_{NO}	0,530
			125 mm	86	147	188	123	142			
02	SC	356 series	90 mm	67	119	150	46	65	P_{NC}	P_{NO}	0,253
			125 mm	86	138	169	97	116			

(1) including adapter connection, coil and connector.

00198GB-2013/R01
Availability, design and specifications are subject to change without notice. All rights reserved.