

FEATURES

- Compact design for the control of single-acting actuators or filling and draining cycles
- Wide range of flow and pressure ratings
- Quick disassembly of core tube for easy maintenance of internal parts
- Standard disc seal made of FPM suitable for a wide range of operating temperatures and compatible with many fluids
- Standard manual operator allows an easy installation
- AC/DC interchangeability of the solenoid without disassembly of the valve
- Compact and low weight valve

GENERAL

Differential pressure

See «SPECIFICATIONS» [1 bar = 100 kPa]

Maximum viscosity

40 cSt (mm²/s)

Response time

5 - 10 ms

Fluids (*)	Temperature Range (TS)	Seal Materials (*)
air, inert gas, water, oil	- 10°C to +100°C	FPM (fluoroelastomer)

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 316
Core tube	Stainless steel	Stainless steel
Core and plugnut	Stainless steel	Stainless steel
Springs	Stainless steel	Stainless steel
Seat	Brass	Stainless steel
Seals	FPM	FPM
Disc	FPM	FPM
Shading coil	Copper	Copper

ELECTRICAL CHARACTERISTICS

Coil insulation class

F

Connector

Spade plug (cable Ø 6-8 mm or Ø 6-10 mm)
DIN 43650, 11 mm, industry standard B (type 01)
or ISO 4400 / EN 175301-803, form A (type 02)

Connector specification

IEC 335

Electrical safety

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

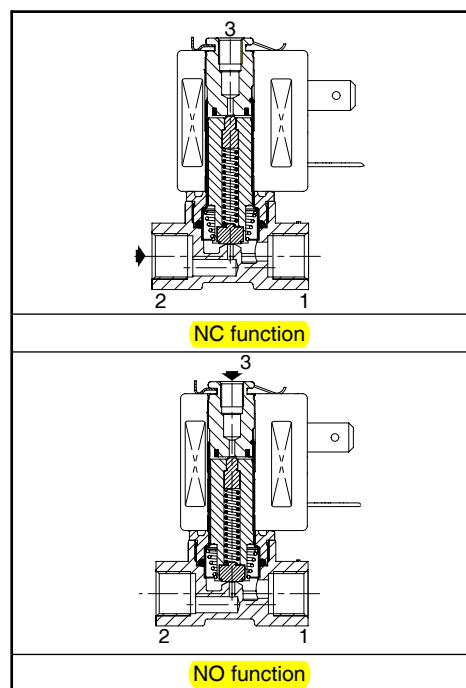
Prefix Option	Power Ratings				Operator Ambient Temperature Range (TS)	Replacement Coil		Type ⁽¹⁾
	Inrush	Holding	Hot/Cold			~	=	
	(VA)	(VA)	(W)	(W)		230 V/50 Hz	24 VDC	
SC	12	6	4	5 / 6.9	-10 to +60	400127-197	400127-142	01
	15	7	5	5 / 6.9	-10 to +60	400727-117	400727-185	02

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

SPECIFICATIONS

Pipe Size	Orifice Size	Flow Coefficient Kv				Operating Pressure Differential (bar)		Power Coil (W)		Catalog Number		Options		
		2 → 1		3 → 1		min.	max. (PS)	air, water, oil(*)	(W)	Brass	Stainless Steel	EPDM	Manual Operator	
		(m³/h)	(l/min)	(m³/h)	(l/min)									
G	(mm)	(m³/h)	(l/min)	(m³/h)	(l/min)		~	=	~	=	~/=	~/=		
NC - Normally closed														
1/8 ⁽²⁾	1.2	0.05	0.8	0.05	0.8	0	15	15	4	6.9	SCG356B001V	-	E	MS
	1.6	0.08	1.33	0.05	0.8	0	10	10	4	6.9	SCG356B002V	-	E	MS
	2.0	0.1	1.66	0.05	0.8	0	5	5	4	6.9	SCG356B003V	SCG356B015V	E	MS
	2.4	0.13	2.1	0.05	0.8	0	4	4	4	6.9	SCG356B004V	SCG356B016V	E	MS
1/4 ⁽²⁾	1.6	0.08	1.33	0.05	0.8	0	10	10	5	6.9	SCG356B466V	SCG356B434V	E	MS
	2.4	0.16	2.67	0.05	0.8	0	4	4	5	6.9	SCG356B470V	SCG356B436V	E	MS
NO - Normally open														
1/8 ⁽²⁾	1.6	0.096	1.6	0.05	0.8	0	8.5	8.5	4	6.9	SCG356B006V	-	E	MS

⁽²⁾ Pipe size port 3: M5 (Orifice size = 1.2 mm);



OPTIONS

- Valves can also be supplied with EPDM (ethylene-propylene) seals and discs. Use the appropriate optional suffix letter for identification
- Manual operator available on request
- Other pipe connections are available on request

INSTALLATION

- The solenoid valves can be mounted in any position without affecting operation
- Solenoid valves have 2 mounting holes in body
- Pipe connection identifier is G = G (ISO 228/1)
- Installation/maintenance instructions are included with each valve

ORDERING EXAMPLES:

SC	G	356	B	001	V	230V/50Hz
SC	G	356	B	002	VMS	24V/DC
SC	G	356	B	436	E	230V/50Hz
SC	G	356	B	006	EMS	24V/DC

prefix — pipe thread — basic number — voltage — suffix

DIMENSIONS (mm), WEIGHT (kg)

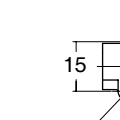


TYPE 01

Prefix "SC" Solenoid
Epoxy moulded
IEC 335 / DIN 43650
IP65

NC (1/8): SCG356B001V/002V/003V/004V/015V/016V

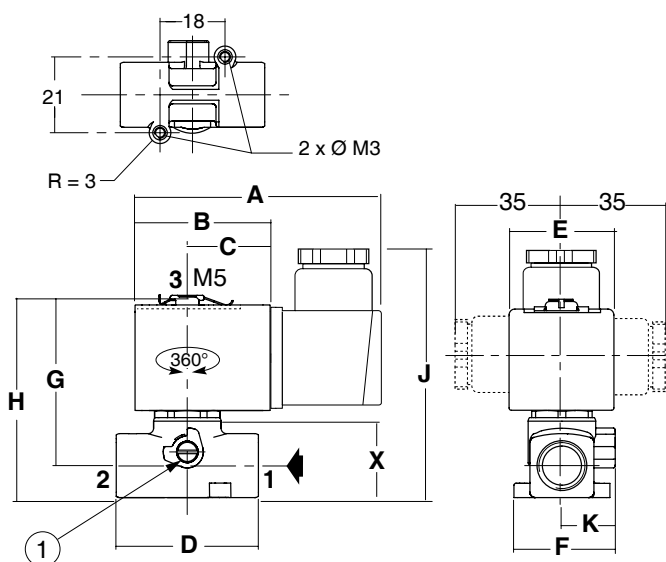
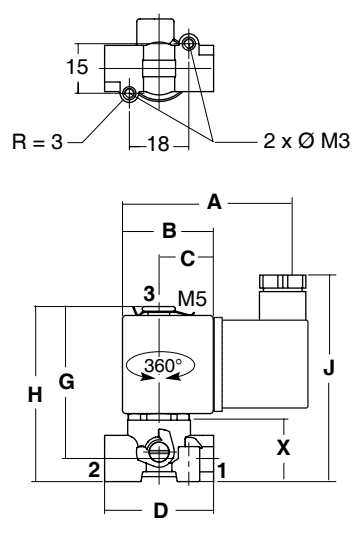
NO (1/8): SCG356B006V



TYPE 02

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

NC (1/4): SCG356B466V/470V/434V/436V



Type	Prefix Option	Pipe Size	A	B	C	D	E	F	G	H	J	K	X	Weight ⁽³⁾	
														Brass	Stainless Steel
01	SC	1/8	60.5	27.5	16.5	33	22	25.5	46	53	69	15	18.6	0.156	0.138
02	SC	1/4	76	38	23.3	40	29.7	28.5	48	57	79	15	23.4	0.232	0.229

⁽³⁾ including coil and connector.