

### FEATURES

- Compact design and low weight enabling easy installation on all series 298 & 398 valves with dia. 80 & 100 mm operators
- Standard manual operator allows for easy installation and maintenance
- 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
- AC/DC interchangeability of the solenoid without disassembling the valve
- Compliance with UL and CSA standards
- The solenoid valves satisfy all relevant EC Directives

### GENERAL

**Max. pilot pressure** See «SPECIFICATIONS» [1 bar = 100 kPa]  
**Maximum viscosity** 40 cSt (mm<sup>2</sup>/s)  
**Response time** See page V402-5

pilot (series)	fluids (*)	temperature range (TS)	seal materials (*)
356	filtered air and water	- 10°C to + 60°C	FPM (fluoroelastomer)

### MATERIALS IN CONTACT WITH FLUID

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

<b>Body</b>	Brass or AISI 316 SS
<b>Core tube</b>	Stainless steel
<b>Core and plugnut</b>	Stainless steel
<b>Springs</b>	Stainless steel
<b>Seats</b>	Brass or stainless steel
<b>Seals</b>	FPM
<b>Shading coil</b>	Copper

### ELECTRICAL CHARACTERISTICS

**Coil insulation class** F  
**Connector** Spade plug (cable Ø 6-7 mm)  
**Connector specification** DIN 43650, 11 mm, industry standard B  
**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				operator ambient temperature range (TS) (C°)	replacement coil		type <sup>(1)</sup>
	inrush ~	holding ~	hot/cold =			~	=	
	(VA)	(VA) (W)	(W)	(W)		230 V/50 Hz	24 V DC	
SC	12	6	4	4,5 / 5,5	-10 to + 60	43005429	43005413	02

<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 with maintained manual operator ~/=	
	2→1 (mm)	1→3 (mm)	2→1		2→3		min. <sup>(4)</sup>	max. (PS)		~	=			
			(m <sup>3</sup> /h)	(l/min)	(m <sup>3</sup> /h)	(l/min)		air (*)	water (*)					
G														
<b>NC - Normally closed, series 356 pilot, brass body</b>														
1/8 <sup>(2)</sup>	1,6	1,2	0,08	1,33	0,05	0,8	0	10	10	10	10	4	5,5	SCG356A059VMS <sup>(3)</sup>
<b>NC - Normally closed, series 356 pilot, stainless steel body</b>														
1/8 <sup>(2)</sup>	1,6	1,2	0,08	1,33	0,05	0,8	0	10	10	10	10	4	5,5	SCG356A060VMS <sup>(3)</sup>

<sup>(2)</sup> Pipe size:

- Port 1 and 2: 1/8 (series 356)
- Port 3 (exhaust): M5

<sup>(3)</sup> Solenoid valve with 1/8 adapter.

<sup>(4)</sup> Refer to leaflets on series 298/398 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)
- Class H coil, max. ambient temperature +75°C, prefix HT, example: SCHTG356A059VMS
- M5 flow control regulator to fit port 3, catalogue number: **34600380**
- 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 identifier is G = G (ISO 228/1)
- Installation/maintenance instructions are included with each valve

### ORDERING EXAMPLES:

	SC G356A059 VMS	24V / DC
	SC G356A060 VMS	230V / 50 Hz
catalogue number _____		_____ voltage

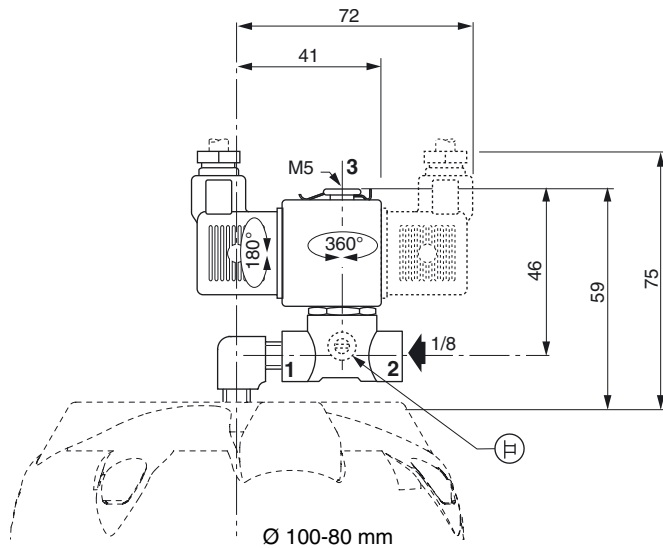
### DIMENSIONS (mm), WEIGHT (kg)



#### TYPE01

Prefix "SC" Solenoid  
Pilot 356  
IEC 335 / DIN 43650  
IP65

SCG356A059VMS - SCG356A060VMS



type	prefix option	pilot	operator diameter	A	B	C	D		E	weight <sup>(1)</sup>
							NC	NO		
01	SC	356 series	80 mm	27	68	99	63	88	83	0,155
			100 mm	50,5	91,5	122,5	39	57	-	

① Flow control regulator location

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