

SOLENOID VALVES

pilot operated, spool type pilot operated, spool type single/dual solenoid (mono/bistable function) brass body, 1/4

NC



- All the exhaust ports of the spool valve are connectable, providing better environmental protection. Particularly recommended for sensitive areas, such as clean rooms, and applications in the pharmaceutical and food processing sectors
- The valves offer environmental protection against the ingress of liquids, dusts or other foreign matter (environmentally-protected construction)
- Can be externally piloted (external air pilot supply) to convert valve to zero minimum operation by flipping a gasket
- The monostable spool valves in conformity with IEC 61508 Standard (2010 route 2_H version) have TÜV certified with integrity levels: SIL 2 for HFT = 0 / SIL 3 for HFT = 1
- The solenoid valves satisfy all relevant EU directives

GENERAL

Differential pressure 2 - 10,4 bar [1 bar = 100 kPa]

Flow (Qv at 6 bar) 860 I/min (ANR)

fluids (*)	temperature range (TS)	seal materials (*)		
air, inert gas, filtered	-40°C to +60°C	VMQ (silicone) + PUR (polyurethane)		

MATERIALS IN CONTACT WITH FLUID

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

Body, end cover, seats Brass

Spool valve internal parts Brass, stainless steel, POM

Stainless steel Core tube Core and plugnut Stainless steel Core spring Stainless steel

Top disc FPM, NBR Pilot seals Shading coil Copper

OTHERS MATERIALS

Solenoid enclosure (WP) Zinc plated steel (epoxy coated)

ELECTRICAL CHARACTERISTICS

Coil insulation class

Connector (SC) Spade plug (cable Ø 6-10 mm) Connector specification (SC) ISO 4400 / EN 175301-803, form A

Coil connection (WP) Embedded screw terminal (cable ø 7 - 12 mm)

Cable entry (WP) Cable gland, polyamide (PA), M20x1,5

Electrical safety IEC 335

Electrical enclosure protection Moulded IP65 (SC) or IP67 (WP) (EN 60529)

Standard voltages DC (=): 24V - 48V

(Other voltages and 60 Hz on request) AC (~): 24V - 48V - 115V - 230V / 50 Hz

ĺ	prefix option		power	ratings		operator	replacer	type (1)	
200		inrush	hold	ing	hot/cold	ambient temperature	replacei		
		~	~	~ =		range (TS)	~	=	type 🖤
1		(VA)	(VA)	(W)	(W)	(C°)	230 V/50 Hz	24 V DC	
	SC	55	23	10,5	9 / 11,2	-40 to +75	400425-117	400425-142	01
	WP	55	23	10,5	9 / 11,2	-40 to +75	400405-117	400405-142	02

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

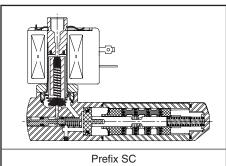
SPECIFICATIONS

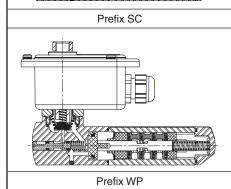
pipe size	orifice size	flow coefficient	diffe	operating pressure differential (bar) max. (PS)		power coil (W)		catalogue number		impulse / maintained man. operator	tion	s	
		Kv	' I	min.	air	(*)	1 `	,	(type 01)	(type 02)	ulse ntair n. op		
G	(mm)	(m³/h)	(l/min)		~	=	~	=	~/=	~/=	mai mar		
NC - I	NC - Normally closed, solenoid air pilot operated - spring return (monostable)												
1/4	6	0,75	12,5	0/2	10	10	10,5	11,2	SCG551A407	WPG551A407	MO	-	-
NC - I	NC - Normally closed, solenoid air pilot operated and return (bistable)												
1/4	6	0,75	12,5	0/2	10	10	10,5	11,2	SCG551A408	WPG551A408	MO	-	-
NC - S	NC - Solenoid air pilot operated - spring return (monostable), certified IEC 61508 Functional Safety data												
1/4	6	0.75	12.5	0/2	10	10	10.5	11 2	SCG551A407SL	WPG551A407SI	-	-	-

服务热线:4006-918-365

网址:http://www.ivalve.cc







and specifications are subject to change

without notice. All rights reserved.

All leaflets are available on: www.asco.com

青岛秉诚自动化设备有限公司 地址:中国·青岛市重庆南路99号海尔云街甲3号楼7F 传真:(86-532)585-10-365 V609-1 Email: sales@bechinas.com

⁽²⁾ Zero minimum is only achieved if external pressure is applied.



OPTIONS

- Valves configured for external pilot air supply, use TPL 20547
- Explosion proof enclosures for use in zones 0/20-1/21-2/22, categories 1-2-3 to ATEX-Directive 2014/34/EU (see "Explosion proof Solenoids" section)
- Compliance with "UL", "CSA" and other local approvals available on request
- Coil insulation class H for max. ambient temperature +80°C, prefix HT ("SCHT" or "WPHT")
- 1/2" NPT (prefix "T") and M20 x 1.5 (prefix "ET") conduits (aluminium or 316 SS) available for steel solenoid enclosure
- · Other pipe connections are available on request
- Plug with visual indication and peak voltage suppression or with cable length of 2 m (see Solenoids, Coils & Accessories section)

INSTALLATION

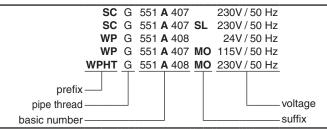
- The solenoid valves can be mounted in any position without affecting operation
- Do not connect the pressure supply to the exhaust port 3. The "environmentally-protected" construction is not adapted for a "distributing" function or use in NO function. Contact us for functions available in specific versions
- It is necessary to connect pipes or fittings to the exhaust ports to protect the internal parts of the spool valve and its pneumatic operator if used outside or in harsh environments (dusts, liquids etc.)
- IEC 61508 Functional Safety (suffix SL). Check temperature range of valve body and solenoid for suitability. For probability of
- Threaded pipe connection is standard: G = G (ISO 228/1)
- Prefix "WP" execution: solenoid enclosure has a cable gland with integral strain relief for cables with an O.D. from 7 to 12 mm and is provided with internal and external grounding terminals
- Valves with suffix "SL" are supplied with specific exhaust protectors
- · Installation/maintenance instructions are included with each valve

ACCESSORIES

series	pipe size	exhaust protector (stainless steel)		
551	G 1/8	34600418 ⁽¹⁾		
331	G 1/4	34600419 ⁽¹⁾		

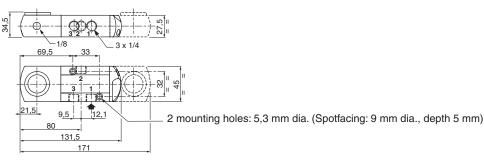
⁽¹⁾ Supplied with suffix "SL".

ORDERING EXAMPLES:

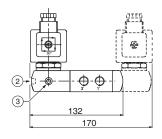


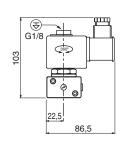
DIMENSIONS (mm), **WEIGHT** (kg)





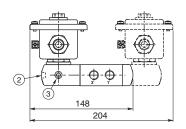
TYPE 01 Prefix "SC" Solenoid Epoxy moulded IEC 335 / ISO 4400

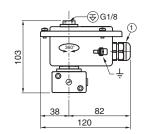






TYPE 02 Prefix "WP" Solenoid Metal; epoxy coated IEC 335 IP67





type	prefix	weight (1)			
1,750	option	monostable	bistable		
01	SC	1,44	2,20		
02	WP	1,62	2,28		

⁽¹⁾ Including coil(s), connector (SC) and cable gland (WP).

- (1) Cable gland for unarmoured cable with 7 to 12 mm dia. sheath
- Manual operator location
- External pilot air supply, 1/8 pipe size

Availability, design and specifications are subject to change without notice. All rights reserved 00080GB-2016/R0

All leaflets are available on: www.asco.com

青岛秉诚自动化设备有限公司 地址:中国·青岛市重庆南路99号海尔云街甲3号楼7F 服务热线:4006-918-365 网址:http://www.ivalve.cc 传真:(86-532)585-10-365 Email: sales@bechinas.com