

SOLENOID VALVES

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

3/2-5/2 Series 551

5/2



- The solenoid operated spool valves have threaded port connections and NAMUR interface
- The same spool valve can be adapted for 3/2 NC or 5/2 functions for controlling double-acting and single-acting actuators
- 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 EC directives

GENERAL

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

Flow (Qv at 6 bar) 700 l/min (ANR)

Pilot mounting interface surface ISO 15218 (CNOMO E06.36.120N, size 15)

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

Core tubeStainless steelCore and plugnutStainless steelCore springStainless steel

Top disc PA
Pilot seals PA
FPM. NBR

Interface plates Glass fibre filled PA

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

prefix		power	ratings		operator	replacer		
	inrush ~ (VA)	holo	ling	hot/cold	ambient temperature	Teplacei	type (1)	
option		~		=	range (TS)	~		=
		(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



SPECIFICATIONS

notice. All

design and specifications are subject to change

00187GB-2014/R01

pipe orifice flow		operating pressu differential (bar			200777		catalogue number			otion	s			
size size			coefficient Max. (PS) (W)		l liui	number								
	KV	N.	K		v	min.	air	(*)			type 01 (SC)	type 02 (WP)	impulse / maintained man. operat	
G	(mm)	(m³/h)	(l/min)		~	=	~	=	~/=	~/=	maii m			
3/2 N	C - 5/2 -	Solen	oid air	pilot o	perate	d - spri	ng reti	irn (mo	onostable)		***************************************			
1/4	6	0,6	10	0/2	10	10	10,5	11,2	SCG551A403	WPG551A403	MO		1	
3/2 N	C - 5/2 -	Solen	oid air	pilot o	perate	d and i	eturn (bistabl	e)		72			
1/4	6	0,6	10	0/2	10	10	10,5	11,2	SCG551A404	WPG551A404	MO	-	-	
3/2 NO	- 5/2 -	Soleno	id air p	ilot ope	erated s	pring r	eturn (ı	monost	able), certified IEC 61508 Fu	inctional Safety data	-			
1/4	6	0,6	10	0/2	10	10	10,5	11,2	SCG551A403SL	WPG551A403SL	-		8	

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



