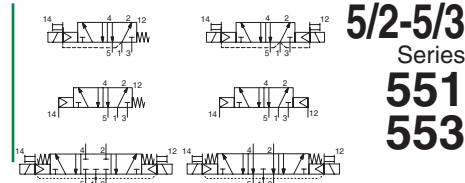




SPOOL VALVES

pilot operated or air operated, spool type
single/dual solenoid or air
aluminium body, 1/4 - 1/2



FEATURES

- 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)
- The monostable spool valves in conformity with IEC 61508 Standard (2010 route 2_H version) have TÜV (551 series) and EXIDA (551-553 series) 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 bar [1 bar = 100 kPa]

Flow (Qv at 6 bar)

l/min (ANR)

1/4	1/2
860	3800

fluids (*)	temperature range (TS)	seal materials (*)
air, inert gas, filtered	-25°C to +60°C	NBR (nitrile) + PUR (polyurethane)

MATERIALS IN CONTACT WITH FLUID

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

Body, end cover

Aluminium, black anodized

End cover (spring return)

Glass fibre filled PA

Spool valve internal parts

Zamak, stainless steel, POM, aluminium

Seals

NBR + PUR

Core tube

Brass

Core and plugnut

Stainless steel

Shading coil

Copper

ELECTRICAL CHARACTERISTICS

Coil insulation class

F

Connector

Spade plug (cable Ø 6-8 mm or Ø 6-10 mm)

Connector specification

EN 175301-803, 11 mm, industry standard form B (type 01)
or ISO 4400 / EN 175301-803, form A (type 02)

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)	replacement coil		type ⁽¹⁾
	inrush ~ (VA)	holding ~ (VA) (W)		hot/cold = (W)		~	=	
		(VA)	(W)	(W)		230 V/50 Hz	24 V DC	
SC	6	3,5	2,5	2,5 / 3	-25 to +60	400127-097	400904-542	01
SC	15	7	5	4 / 5	-25 to +60	400727-117	400727-185	02

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

SPECIFICATIONS

[Configurator - CAD Files](#)

pipe size	orifice size	flow coefficient Kv		operating pressure differential (bar)			power coil (W)		catalogue number	options		
				min.	max. (PS)					maintained man. operator		
					air (*)							
G	(mm)	(m³/h)	(l/min)		~	=	~	=	~/=			
5/2 - Solenoid air pilot operated - spring return (monostable)												
1/4	6	0,75	12,5	2	10	10	2,5	3	SCG551A017	MS	-	-
1/2	13	3,15	52,5	2	10	10	5	5	SCG553A017	MS	-	-
5/2 - Solenoid air pilot operated and return (bistable)												
1/4	6	0,75	12,5	2	10	10	2,5	3	SCG551A018	MS	-	-
1/2	13	3,15	52,5	2	10	10	5	5	SCG553A018	MS	-	-
5/3 - W1 - pressure held, solenoid air pilot and return												
1/4	6	0,75	12,5	2	10	10	2,5	3	SCG551A067	MS	-	-
1/2	13	3,15	52,5	2	10	10	5	5	SCG553A067	MS	-	-
5/3 - W3 - pressure released, solenoid air pilot and return												
1/4	6	0,75	12,5	2	10	10	2,5	3	SCG551A068	MS	-	-
1/2	13	3,15	52,5	2	10	10	5	5	SCG553A068	MS	-	-
5/2 - Solenoid air pilot operated spring return (monostable), certified IEC 61508 Functional Safety data												
1/4	6	0,75	12,5	2	10	10	2,5	3	SCG551A017SL	-	-	-
1/2	13	3,15	52,5	2	10	10	5	5	SCG553A017SL	-	-	-

