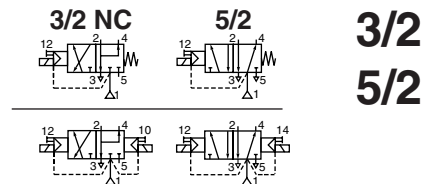


Series 551  
552 - 553  
NAMUR

**SOLENOID VALVE**  
with **NAMUR** interface  
for piloting quarter turn valve actuators



**FEATURES**

- ASCO/JOUCOMATIC solenoid valves satisfy all relevant EC Directives
- The spool valves have threaded port connections and "NAMUR" style 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 this spool valve are pipable, 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 any other foreign matter (environmental-protected construction)
- Epoxy moulded coil for general service applications

**GENERAL**

**Differential pressure** 2 - 10 bar [1 bar = 100 kPa]  
**Flow (Qv at 6 bar)** 1/4 = 700 l/min (ANR)  
3/8 - 1/2 = 3000 l/min

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

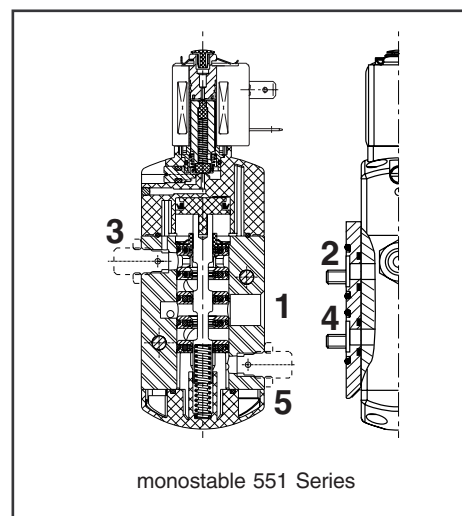
**MATERIALS IN CONTACT WITH FLUID**

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

**Body** Aluminium, black anodized  
**End covers + interface plates** Glass-filled polyamide  
**Internal parts** Zamak, stainless steel, acetal (POM), aluminium  
**Sealing** NBR + PUR  
**Core and core tube** Stainless steel  
**Shading coil** Copper

**ELECTRICAL CHARACTERISTICS**

**Coil insulation class** F  
**Connector specification** DIN 43650, 11 mm, industry, standard B (type 01) or ISO 4400 (type 02)  
**Connector** Spade plug (cable Ø 6-8 mm or Ø 6-10 mm)  
**Electrical safety** IEC 335  
**Standard voltages** DC (=) : 24V  
(Other voltages and 60 Hz on request) AC (~) : 24V - 115V - 230V / 50 Hz



prefix option	power ratings				operator ambient temperature range (TS) (°C)	safety code	electrical enclosure protection (EN 60529)	replacement coil		type (1)
	inrush ~ (VA)	holding ~ (VA) (W)		hot/cold = (W)				230 V / 50 Hz	24 V DC	
		(VA)	(W)							
SC	15	7	5	5/6,9	-25 to +60	EN 60730	moulded IP65	43004649	43004647	02
SCDU	15	7	5	5/6,9	-25 to +60	II 3 D IP65 T 135°C	moulded IP65	-	-	02
SC	6	3,5	2,5	2,5/3,0	-25 to +60	EN 60730	moulded IP65	43004886	43004869	01
SCDU	6	3,5	2,5	2,5/3,0	-25 to +60	II 3 D IP65 T 100°C	moulded IP65	-	-	01

**SPECIFICATIONS**

pipe size	orifice size	flow coefficient Kv		operating pressure differential (bar)				type (1)	catalogue number
				min.	max. (PS)		~/=		
					air (*)				
(G)	(mm)	(m³/h)	(l/min)	~	=	~	=	~/=	
<b>Solenoid air pilot operated - spring return (monostable)</b>									
1/4	6	0,60	10	2	10	10		01	SCG551A001
3/8	12	2,49	41,5	2	10	10		02	SCG552A001
1/2	13	2,49	41,5	2	10	10		02	SCG553A001
<b>Solenoid air pilot operated and return (bistable)</b>									
1/4	6	0,60	10	2	10	10		01	SCG551A002
3/8	12	2,49	41,5	2	10	10		02	SCG552A002
1/2	13	2,49	41,5	2	10	10		02	SCG553A002

(1) Refer to the dimensional drawings on page 2.

