

SOLENOID VALVES

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

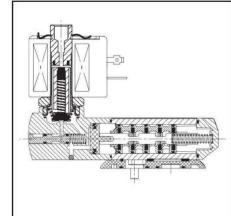
3/2 NC



5/2 Series 551









POWER LEVELS - cold electrical holding values (watt)

FEATURES

- The monostable spool valves in conformity with IEC 61508 Standard (2010 route 2_H version) have TÜV certified with integraty levels: SIL 2 for HFT = 0 / SIL 3 for HFT = 1
- The solenoid operated spool valves have threaded port connections and NAMUR
- 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 connectable, providing better environmental protection, particularly recommended for sensitive areas such as clean rooms, and applications in the pharmaceutical and food processing sectors
- · The valve offers environmental protection against the ingress of liquids, dusts or any 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 solenoid valves satisfy all relevant EC Directives

GENERAL

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

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

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 covers

Spool valve internal parts Brass, stainless steel, POM

Interface plates Glass-filled PA Stainless steel Core tube Core and plugnut Stainless steel Core spring Stainless steel

Seals & discs **NBR** Top disc PA Disc holder POM

Cartridge (Low power) Welded, packless AISI 430

Seat Brass Seat insert POM Shading coil Copper

PTFE (NF/WSNF solenoids only) Rider ring (Low power)

SPECIFICATIONS

pipe size	orifice size	flow coefficient kv		operating pressure differential (bar)		power	prefix optional solenoids									basic	
				11	max. (PS)		level	NEMA	ATEX / IECEx						IDOE	catalogue	
				min. ⁽²⁾	air (*)	7 & 9		Ex d			Ex e mb	Ex mb	Ex ia	-	IP65	number	
		(m³/h) (l/min)	~		=	~/=	EF	F LPKF NF		EM	PV	(WS)LI		sc			
3/2 N	C - 5/2	- Solen	oid air	pilot o	perate	ed - spi	ing retu	ırn (m	onosi	able)						
1/4	6	0,6	10	0/2	10	10	BP	-	-	•	-	•	•	-	9	•	❖551A403 (1)
1/4	6	0,6	10	0/2	10	10	BP		:: * :	*	-	-	10-10	-	8	-	❖551G403 (1
1/4	6	0,6	10	0/2	10	10	LP	2	•	•	-		0	0		•	◆551A303 (1)
1/4	6	0,6	10	0/2	10	10	LP	0		*	-	-	7.00	-		-	❖551G303 (1
3/2 N	C - 5/2	- Soler	oid air	pilot o	perate	ed and	return (bistab	le)								
1/4	6	0,6	10	0/2	10	10	BP	-	-	•	-	•	•	- 1	-		❖551A404
1/4	6	0,6	10	0/2	10	10	BP	•	· •	-		-	-	-	*		❖551G404
1/4	6	0,6	10	0/2	10	10	LP	2	•	•	-	•	0	0		•	❖551A304
1/4	6	0,6	10	0/2	10	10	LP	0	-	*	-		-	- 1			❖551G304

Select 8 for NPT ANSI 1.20.3 or select G for ISO G (228/1) ● Available feature ○ Available feature in DC only.

⁽¹⁾ Certified IEC 61508 Functional Safety data, use suffix "SL" (2) Zero minimum is only achieved if external pressure is applied.