

ASCO™ Solenoid Valves

single/dual solenoid (mono/bistable function) - pilot operated
brass body - "NAMUR" style - 1/4" tapped

3/2 NC - 5/2

SERIES

551

Features

- 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 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 solenoid valves satisfy all relevant EU Directives

General

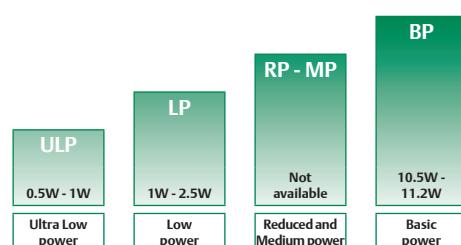
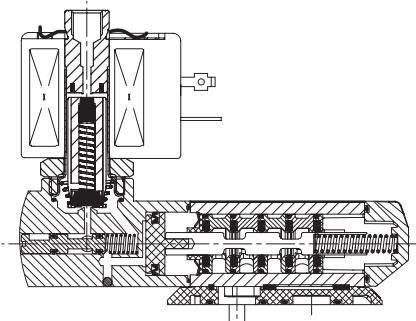
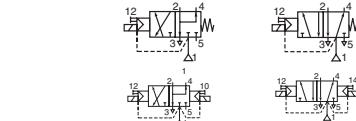
Differential pressure
Flow (Q_v at 6 bar)

2 - 10.4 bar [1 bar = 100 kPa]
700 l/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 compatibility of materials in contact with fluids is verified.	
Body, end covers	Brass
Spool valve internal parts	Brass, stainless steel, POM
Interface plates	Glass fibre filled PA
Core tube	Stainless steel
Core and plugnut	Stainless steel
Core spring	Stainless steel
Seals and discs	NBR
Top disc	PA
Disc holder	POM
Cartridge (low power)	Welded, packless AISI 430
Seat	Brass
Seat insert	POM
Shading coil	Copper
Rider rings (low power)	PTFE (NF/WSNF solenoids only)



POWER LEVELS - cold electrical holding values (watt)

Specifications

Pipe size	Orifice size	Flow coefficient Kv	Operating pressure differential (bar)		Power level	Prefix optional solenoids							Basic catalogue number			
			Max PS			NEMA 7 & 9		ATEX / IECEx		IP65						
			Min. (1)			Air (*)		Ex db		Ex eb mb		Ex mb				
			~	=		~	/=	EF (2)	EV (2)	LPKF NF	EM	PV	(WS)L	SC		
3/2 NC - 5/2 - Solenoid air pilot operated - spring return (monostable)																
1/4"	6	0.60	10	0 / 2	10	10		BP	-	-	-	●	●	-	●	❖ 551A403 (3)
								BP	●	●	-	-	-	-	-	❖ 551G403 (3)
								LP	-	-	●	●	○	-	-	❖ 551A303 (3)
								LP	○	○	-	-	-	-	-	❖ 551G303 (3)
								ULP	-	-	○	-	-	○	-	❖ 551A303 (3)
								ULP	○	○	-	-	-	-	-	❖ 551H303 (3)
3/2 NC - 5/2 - Solenoid air pilot operated and return (bistable)																
1/4"	6	0.60	10	0 / 2	10	10		BP	-	-	-	●	●	-	●	❖ 551A404
								BP	●	●	-	-	-	-	-	❖ 551G404
								LP	-	-	●	●	○	-	●	❖ 551A304
								LP	○	○	-	-	-	-	-	❖ 551G304
								ULP	-	-	○	-	-	○	-	❖ 551A304
								ULP	○	○	-	-	-	-	-	❖ 551H304

❖ Select 8 for NPT ANSI 1.20.3 or select G for ISO G (228/1) ● Available feature ○ Available feature in DC only. - Not available

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

(2) UL CSA

(3) Certified IEC 61508 Functional Safety data, use suffix "SL".

3/2 NC - 5/2 SERIES 551

Prefix table

Prefix							Description	Power level			
1	2	3	4	5	6	7		ULP	LP	MP	BP
E	F						Explosionproof - NEMA 7, 9 - Zinc plated steel conduit (18" continuous leads)	<input type="radio"/>	<input type="radio"/>	-	<input checked="" type="radio"/>
E	F	H	T				EF (18" continuous leads) + high temperature	<input type="radio"/>	<input type="radio"/>	-	<input checked="" type="radio"/>
E	F	H	T	L			EF + high temperature + 72" continuous leads	<input type="radio"/>	<input type="radio"/>	-	<input checked="" type="radio"/>
E	F	L					EF + 72" continuous leads	<input type="radio"/>	<input type="radio"/>	-	<input checked="" type="radio"/>
J	B	E	F				EF + Junction box (conduit in 1/2" NPT)	<input type="radio"/>	<input type="radio"/>	-	<input checked="" type="radio"/>
J	B	E	F	M	F		EF + Junction box (conduit in 1/2" NPT) + surge suppression coils	<input type="radio"/>	<input type="radio"/>	-	<input checked="" type="radio"/>
J	C	E	F				EF + Junction box (conduit in 3/4" NPT)	<input type="radio"/>	<input type="radio"/>	-	<input checked="" type="radio"/>
J	C	E	F	H	T		EF + Junction box (conduit in 3/4" NPT) + high temperature	<input type="radio"/>	<input type="radio"/>	-	<input checked="" type="radio"/>
E	V						Explosionproof - NEMA 7, 9 - 316 SS conduit (18" continuous leads)	<input type="radio"/>	<input type="radio"/>	-	<input checked="" type="radio"/>
E	V	H	T				EV (18" continuous leads) + high temperature	<input type="radio"/>	<input type="radio"/>	-	<input checked="" type="radio"/>
E	V	H	T	L			EV + high temperature + 72" continuous leads	<input type="radio"/>	<input type="radio"/>	-	<input checked="" type="radio"/>
E	V	L					EV + 72" continuous leads	<input type="radio"/>	<input type="radio"/>	-	<input checked="" type="radio"/>
E	V	M	F				EV + surge suppression coils	<input type="radio"/>	<input type="radio"/>	-	<input checked="" type="radio"/>
E	V	M	F	L			EV + surge suppression coils + 72" continuous leads	<input type="radio"/>	<input type="radio"/>	-	<input checked="" type="radio"/>
E	M						Waterproof IP66/67 - Metal enclosure (EN/IEC 60079-7, -18 and -31)*	-	<input checked="" type="radio"/>	-	<input checked="" type="radio"/>
L	P	K	F				Threaded conduit/hole (M20 x 1.5)	-	<input checked="" type="radio"/>	-	<input checked="" type="radio"/>
N	F						Flameproof - Aluminium (EN/IEC 60079-1, 60079-31)*	<input type="radio"/>	<input checked="" type="radio"/>	-	-
P	V						Flameproof - Aluminium (EN/IEC 60079-1, 60079-31)*	-	<input checked="" type="radio"/>	-	<input checked="" type="radio"/>
S	C						Encapsulated epoxy moulded (EN/IEC 60079-18)*	-	<input type="radio"/>	-	<input checked="" type="radio"/>
W	P						Solenoid with spade plug connector (EN/IEC 60730)	-	<input checked="" type="radio"/>	-	<input checked="" type="radio"/>
L	I						Waterproof IP67 - Metal enclosure	-	<input checked="" type="radio"/>	-	<input checked="" type="radio"/>
W	S						I.S. with Aluminium IP66/IP67 enclosure (EN/IEC 60079-11+31)*	<input type="radio"/>	-	-	-
W	S						Waterproof IP67 - 316 SS enclosure	-	<input checked="" type="radio"/>	-	<input checked="" type="radio"/>
W	S	L	P	K	F		Flameproof 316L SS (EN/IEC 60079-1, 60079-31)*	<input type="radio"/>	<input checked="" type="radio"/>	-	-
W	S	E	M				Waterproof IP66/67 - 316 SS enclosure (EN/IEC 60079-0+7+18+31)*	-	<input checked="" type="radio"/>	-	<input checked="" type="radio"/>
W	S			L	I		I.S. with 316L SS IP66/IP67 enclosure (EN/IEC 60079-11+31)*	<input type="radio"/>	-	-	-
W	S	N	F				Flameproof 316L SS (EN/IEC 60079-1, 60079-31)*	-	<input checked="" type="radio"/>	-	<input checked="" type="radio"/>
		T		H	T	X	Threaded conduit (1/2" NPT)	-	<input checked="" type="radio"/>	-	<input checked="" type="radio"/>
							Class H - High temperature, +80°C ambient temp.	-	-	-	<input checked="" type="radio"/>
							Other special constructions	-	<input checked="" type="radio"/>	-	<input checked="" type="radio"/>

Suffix table

Suffix							Description	Power level			
1	2	3	4	5	6	7		ULP	LP	MP	BP
S	L	M	O				Push type manual operator	<input type="radio"/>	<input checked="" type="radio"/>	-	<input checked="" type="radio"/>
							Certified IEC 61508 Functional Safety data ⁽¹⁾	<input type="radio"/>	<input checked="" type="radio"/>	-	<input checked="" type="radio"/>

Options and Accessories

Series	Pipe size	Exhaust protector (stainless steel)
551	G 1/8	34600418 ⁽²⁾
	NPT 1/8	34600482 ⁽²⁾
	M5	34600484 ⁽²⁾

- Available feature
- Available feature in DC only
- Not available
- * ATEX/IECEx valves using these solenoids are approved according to EN ISO 80079-36 (2016) and EN ISO 80079-37 (2016) [non electrical]
- ⁽¹⁾ Not to use with MO suffix
- ⁽²⁾ Provided with "SL" suffix

Product selection guide

STEP 1

Select basic catalogue number, including pipe thread identification letter. Refer to the specifications table on page: 1

Example: G551A403

STEP 2

Select prefix (combination). Refer to the specifications table and the prefix table, respect the indicated power level.

Example: EM

STEP 3

Select suffix (combination) if required. Refer to the suffix table, respect the indicated power level.

Example: MO

STEP 4

Select voltage. Refer to standard voltages on page: 3

Example: 230V / 50Hz

STEP 5

Final catalogue / ordering number.

Example:

EM G551A403MO 230 V / 50 Hz

Ordering examples valves:

SC	G	551 A 403	230V / 50 Hz
SC	G	551 A 403 SL	230V / 50 Hz
SC	G	551 A 404 MO	230V / 50 Hz
SCHT	8	551 A 404 MO	230V / 50 Hz
WSLPKF	G	551 A 303 MO	24V / DC
LPKF	G	551 A 303 MO	24V / DC
LPKF	G	551 A 303 MO	230V / 50 Hz
LI	G	551 A 307	24V / DC
WSLI	G	551 A 308 MO	24V / DC
LPKF	G	551 A 303 MO	24V / DC
EM	8	551 A 403 MO	230V / 50 Hz
EF	G	551 G 403 MO	240V / 60 Hz

prefix pipe thread basic number voltage suffix

Explanation of temperature ranges of solenoid valves

Valve temperature range

The valve temperature range (TS) is determined by the selected seal material, the temperature range for proper operation of the valve and sometimes by the fluid (e.g. steam)

Operator ambient temperature range

The operator ambient temperature range is determined by the selected power level and the safety code

Total temperature range

The temperature range of the complete solenoid valve is determined by the limitations of both temperature ranges above

Electrical characteristics

Coil insulation class

F

Electrical safety

IEC 335

Standard voltages

DC (=) 24V - 48V

AC (~) 24V - 48V - 115V - 230V⁽¹⁾/50Hz; other voltages and 60Hz are available on request

Prefix option	Power ratings			Operator ambient temperature range (TS) (C°) ⁽²⁾	Safety code	Electrical enclosure protection (EN 60529)	Replacement coil / Kit		Type ⁽³⁾
	Inrush ~ (VA)	Holding ~ (VA)	Hot/Cold = (W)				~	=	
							230 V/50 Hz	24V/DC	

Basic power (BP)

SC	55	23	10.5	9/11.2	-40 to +75	EN 60730	IP65, moulded	400425-117	400425-142	01
WP/WS	55	23	10.5	9/11.2	-40 to +75	EN 60730	IP67, steel /SS	400405-117	400405-142	03
NF/WSNF	55	23	10.5	-	-60 to +25/40/60	II2G Ex db IIC Gb T6/T5/T4, II2D Ex tb IIICT Db	IP66/67, alu./SS	400405-117	-	02
NF/WSNF	-	-	-	9/11.2	-60 to +40/60/75	II2G Ex db IIC Gb T6/T5/T4, II2D Ex tb IIICT Db	IP66/67, alu./SS	-	400405-142	02
EM/WSEM	55	23	10.5	9/11.2	-40 to +40	II2G Ex eb mb IIC Gb T3, II2D Ex tb IIICT Db	IP66/67, steel /SS	400909-117	400913-142	03
PV	55	23	10.5	9/11.2	-40 to +65	II2G Ex mb IIC Gb T3(~)/T4(-), II2D Ex mb IIICT Db	IP67, moulded	- ⁽⁴⁾	- ⁽⁴⁾	04
EF	55	23	10.5	9/11.2	-40 to +52/40	NEMA type 7 and 9	NEMA 4X	-	-	05
EFHT	55	23	10.5	9/11.2	-40 to +52/40	NEMA type 7 and 9	NEMA 4X	-	-	05
JBEF	55	23	10.5	9/11.2	-40 to +52/40	NEMA type 7 and 9	NEMA 4X	-	-	11
JBEFHT	55	23	10.5	9/11.2	-40 to +52/40	NEMA type 7 and 9	NEMA 4X	-	-	11
						NEMA type 7 and 9,				
EV	55	23	11.6	9/11.6	-40 to +52/40	ATEX II 2G Ex db mb IIC T* Gb II 2D Ex mb tb IIICT* Db IECEX Ex db mb IIC T* Gb Ex mb tb IIICT* Db	NEMA 4X	-	-	05
EVHT	55	23	11.6	9/11.6	-40 to +52/40	NEMA type 7 and 9, ATEX II 2G Ex db mb IIC T* Gb II 2D Ex mb tb IIICT* Db IECEX Ex db mb IIC T* Gb Ex mb tb IIICT* Db	NEMA 4X	-	-	05
EVMF	55	23	11.6	9/11.6	-40 to +52/40	NEMA type 7 and 9, ATEX II 2G Ex db mb IIC T* Gb II 2D Ex mb tb IIICT* Db IECEX Ex db mb IIC T* Gb Ex mb tb IIICT* Db	NEMA 4X	-	-	05

Low Power (LP)

SC	1.5	1.5	1.5	1.7/1.7	-40 to +60	EN 60730	IP65, moulded	400925-097	400925-042	06
WP/WS	1.5	1.5	1.5	1.7/1.7	-40 to +60	EN 60730	IP67, steel /SS	400926-097	400926-042	08
LPKF/WSLPKF	2.4	2.4	2.4	-	-40 to +40/65/80	II2G Ex db IIB+H2 Gb T6/T5/T4, II2D Ex tb IIICT Db	IP66/67, alu./SS	- ⁽⁴⁾	- ⁽⁴⁾	12
LPKF/WSLPKF	-	-	-	2.1 ⁽⁵⁾	-40 to +40/80	II2G Ex db IIB+H2 Gb T6/T4, II2D Ex tb IIICT Db	IP66/67, alu./SS	- ⁽⁴⁾	- ⁽⁴⁾	12
NF/WSNF	1.85	1.85	1.85	1.5/1.8	-60 to +75/80	II2G Ex db IIC Gb T6/T5, II2D Ex tb IIICT Db	IP66/67, alu./SS	- ⁽⁴⁾⁽¹⁾	- ⁽⁴⁾	07
EM/WSEM	1.5	1.5	1.5	1.7/1.7	-40 to +40/55	II2G Ex eb mb IIC Gb T6/T5, II2D Ex tb IIICT Db	IP66/67, steel /SS	- ⁽⁴⁾	- ⁽⁴⁾	08
PV	-	-	-	1.7/1.7	-40 to +65	II2G Ex mb IIC Gb T6, II2D Ex mb IIICT Db	IP67, moulded	-	- ⁽⁴⁾	09
EF	-	-	-	1.8/1.8	-40 to +60	NEMA type 7 and 9	NEMA 4X	-	-	10
EFHT	-	-	-	1.8/1.8	-40 to +60	NEMA type 7 and 9	NEMA 4X	-	-	10
JBEF	-	-	-	1.8/1.8	-40 to +60	NEMA type 7 and 9	NEMA 4X	-	-	11
JBEFHT	-	-	-	1.8/1.8	-40 to +60	NEMA type 7 and 9	NEMA 4X	-	-	11
						NEMA type 7 and 9,				
EV	-	-	-	1.7/1.7	-40 to +60	ATEX II 2G Ex db mb IIC T* Gb II 2D Ex mb tb IIICT* Db IECEX Ex db mb IIC T* Gb Ex mb tb IIICT* Db	NEMA 4X	-	-	10
EVHT	-	-	-	1.7/1.7	-40 to +60	NEMA type 7 and 9, ATEX II 2G Ex db mb IIC T* Gb II 2D Ex mb tb IIICT* Db IECEX Ex db mb IIC T* Gb Ex mb tb IIICT* Db	NEMA 4X	-	-	10
EVMF	-	-	-	1.7/1.7	-40 to +60	NEMA type 7 and 9, ATEX II 2G Ex db mb IIC T* Gb II 2D Ex mb tb IIICT* Db IECEX Ex db mb IIC T* Gb Ex mb tb IIICT* Db	NEMA 4X	-	-	10

**3/2 NC - 5/2
SERIES
551**

Prefix option	Power ratings			Operator ambient temperature range (TS) (C°) ⁽²⁾	Safety code	Electrical enclosure protection (EN 60529)	Replacement coil / Kit		Type ⁽³⁾
	Inrush ~ (VA)	Holding ~ (VA)	Hot/Cold = (W)				~	=	
	Ultra Low Power (ULP)						230 V/50 Hz	24V/DC	
LPKF/VSLPKF	-	-	-	0.5/0.5 ⁽⁵⁾	-40 to +70/80	II2GExdbIIB+H2GbT6/T5, II2DExtbIIICDb	IP66/67, alu./SS	-	- ⁽⁴⁾ 12
EF	-	-	-	0.55/0.7	-40 to +52/40	NEMA type 7 and 9	NEMA 4X	-	- 10
EFHT	-	-	-	0.55/0.7	-40 to +52/40	NEMA type 7 and 9	NEMA 4X	-	- 10
JBEF	-	-	-	0.55/0.7	-40 to +52/40	NEMA type 7 and 9	NEMA 4X	-	- 10
JBEFHT	-	-	-	0.55/0.7	-40 to +52/40	NEMA type 7 and 9	NEMA 4X	-	- 11
EV	-	-	-	0.55/0.7	-40 to +52/40	ATEX II 2G Ex db mb IIC T* Gb II 2D Ex mb tb IIIC T* Db IECEX Ex db mb IIC T* Gb Ex mb tb IIIC T* Db	NEMA 4X	-	- 10
EVHT	-	-	-	0.55/0.7	-40 to +52/40	NEMA type 7 and 9, ATEX II 2G Ex db mb IIC T* Gb II 2D Ex mb tb IIIC T* Db IECEX Ex db mb IIC T* Gb Ex mb tb IIIC T* Db	NEMA 4X	-	- 10
EVMF	-	-	-	0.55/0.7	-40 to +52/40	NEMA type 7 and 9, ATEX II 2G Ex db mb IIC T* Gb II 2D Ex mb tb IIIC T* Db IECEX Ex db mb IIC T* Gb Ex mb tb IIIC T* Db	NEMA 4X	-	- 10
LI ⁽⁶⁾⁽⁷⁾	-	-	-	0.5/0.5	-40 to +60	II1GEx ia IIC T6 Ga, II2DEx tb IIIC Db ⁽⁷⁾	IP66/67, alu.	-	- ⁽⁴⁾ 13
WSLI ⁽⁶⁾⁽⁷⁾	-	-	-	0.5/0.5	-40 to +60	II1GEx ia IIC T6 Ga, II2DEx tb IIIC Db ⁽⁷⁾	IP66/67, SS	-	- ⁽⁴⁾ 13

Prefix option	Safety parameters				
	U _I = (DC) (V)	I _I (mA)	P _I (W)	L _I (H)	C _I (μF)
Ultra Low Power (ULP)					
LI/WSLI	32	500	1,5	0	0

(1) (WS)NF: Low Power, 230 V AC does not exist. Maximum voltage in AC is 115 V

(2) Temperature range can be limited by sealings

(3) Refer to the dimensional drawings on pages: 5 to 8

(4) Multiple coil kits are available under ATEX/IECEx, contact us

(5) LPKF/VSLPKF: 24 V DC (0.5 W)

(6) LI/WSLI: Check the electrical characteristics in the corresponding catalogue pages

(7) LI/WSLI: Ultra Low Power, 24 V DC only (LI: **For use in zone 0 locations, see the installation conditions given in the I&M instructions**)

- Not available

Electrical connections

Prefix	Connection
SC	Spade plug connector with cable gland EN175301-803A (ISO 4400) for cables with an outer diameter from 6 to 10 mm
WP, WS, EM, WSEM	M20 plastics cable gland for cables with an outer diameter from 7 to 12 mm.
NF, WSNF, LPKF, WSLPKF	1/2" NPT threaded cable entry. Enclosures are supplied without cable gland
PV	Moulded-in cable, standard length 2 m
LI, WSLI	1/2" NPT threaded cable entry. Enclosures are supplied without cable gland
EF, EV	1/2" NPT conduits
JBEF	EF + Junction box

Additional options

- Valves configured for external pilot air supply, TPL 20547
 - Other pipe threads are available on request
 - Ex mb (prefix "PV") solenoid can be supplied with various cable lengths
 - Set of stainless steel mounting screws (series 551), catalogue number: **97802212**
 - Set of two G 1/8 exhaust reducers (series 551), catalogue number: **88100344**

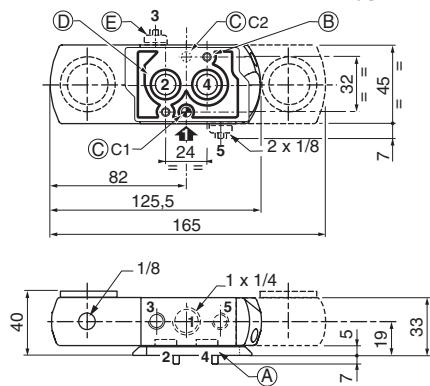
Installation

- Multi language installation/maintenance instructions are included with each valve
 - The solenoid valves can be mounted in any position without affecting operation
 - 3/2 NC-5/2 spool valve supplied with one interface plate with NAMUR mating surface. Depending on function (3/2 NC or 5/2), position the plate on the spool valve body before installing on actuator
 - Do not connect the pressure supply to the exhaust port 3. The “environmentally-protected” construction is not adapted for NO function. Contact us for function available in specific version
 - Dowel pin (if necessary), bolts and gaskets are standard supplied
 - IEC 61508 Functional Safety (suffix SL). Check temperature range of valve body and solenoid for suitability. For probability of failure, contact us
 - 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.)
 - Threaded pipe connection identifier is 8 = NPT (ANSI 1.20.3); G = G (ISO 228/1)
 - Ex db Prefix "NF/WSNF" enclosure is provided with a 1/2" NPT threaded entry hole, M20 x 1.5 (prefix "ET") is optional. These are supplied without cable gland
 - To comply with IEC 61508 (SIL) the valves must be provided with a specific exhaust protector (see following pages)

Dimensions (mm), Weight (kg)



All types



(A) Interface plate

(B) 2 mounting holes: 5.3 mm dia. (Spotfacing: 9 mm dia., depth 5 mm);
2 screws (CHc M5 x 35), engaged length: 7 mm

(C) One 5 mm dia. hole for dowel pin:

- in position C1: 3/2 NC function plate
 - in position C2: 5/2 function plate

D 2 O-ring seals (supplied)



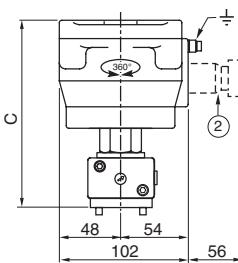
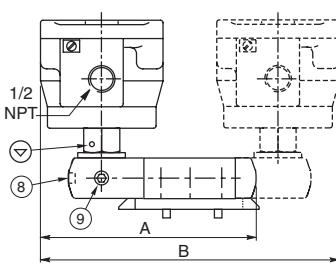
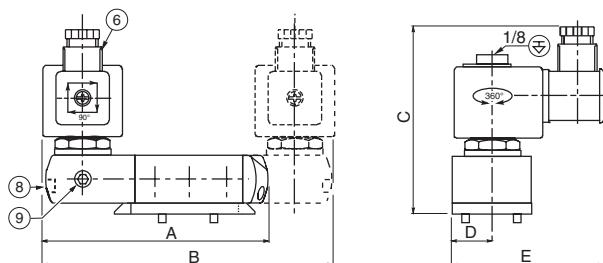
TYPE 01:

Epoxy moulded
SC: IEC 335 / ISO 4400

551A403 / 551A404



TYPE 02:
Aluminium, epoxy coated / AISI 316L SS
NF/WSNF: EN/IEC 60079-1, 60079-31

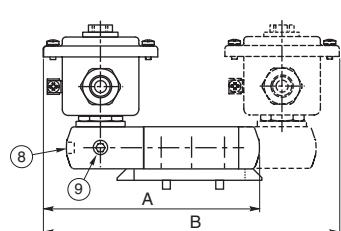


3/2 NC - 5/2 SERIES 551

Dimensions (mm), Weight (kg)



551A403 / 551A404



TYPE 03:

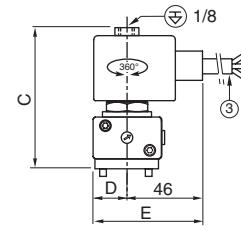
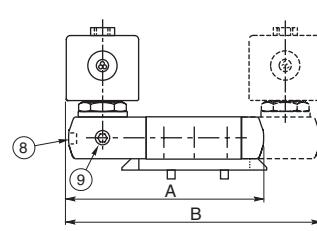
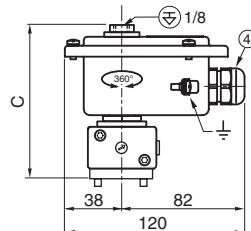
Metal, epoxy coated / AISI 316L SS
WP / WS: IEC 335
EM / WSEM: EN/IEC 60079-7+18+31



551A403 / 551A404

TYPE 04:

Epoxy encapsulated
PV: EN/IEC 6007



551G403 / 551G404

TYPE 05:

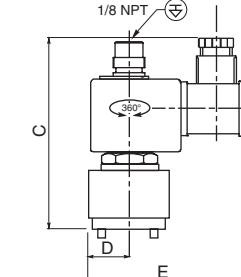
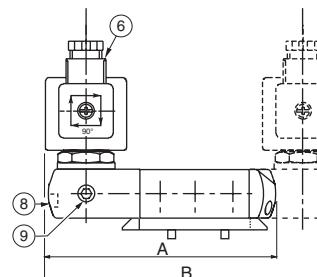
Epoxy encapsulated
EF and EV: NEMA type 7, 9 / ICS-6 ANSI



551A303 / 551A304

TYPE 06:

Epoxy moulded
SC: IEC 335 / ISO 4400



551A303 / 551A304

TYPE 07:

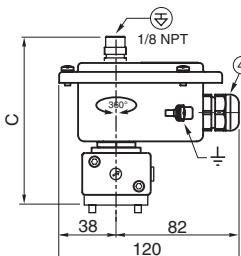
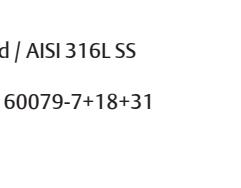
Aluminium, epoxy coated / AISI 316L SS
NF/WSNF: EN/IEC 60079-1, 60079-31



551A303 / 551A304

TYPE 08:

Metal, epoxy coated / AISI 316L SS
WP / WS: IEC 335
EM / WSEM: EN/IEC 60079-7+18+31



Dimensions (mm), Weight (kg)

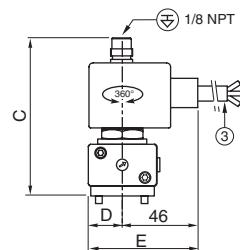
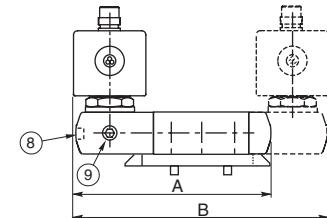


TYPE 09:

Epoxy encapsulated
PV: EN/IEC 60079-18



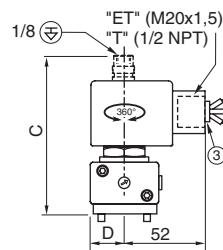
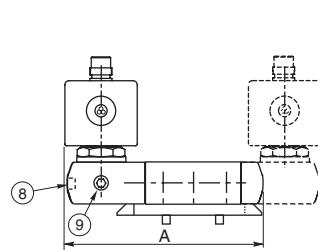
551A303 / 551A304



TYPE 10:

Epoxy encapsulated
EF and EV: NEMA type 7, 9 / ICS-6 ANSI

551G303 / 551H303 / 551G304 / 551H304



TYPE 11:

Epoxy encapsulated
JBEF: NEMA type 7, 9

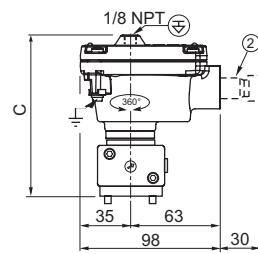
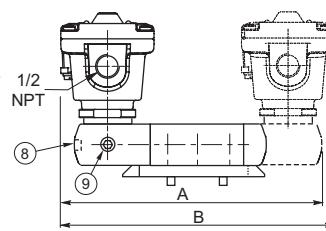
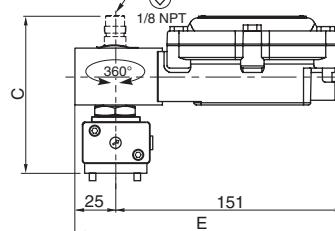
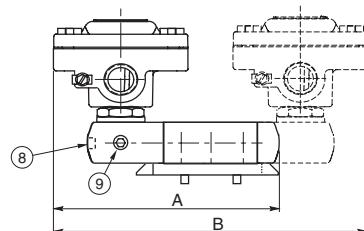
551G303 / 551H303 / 551G304 / 551H304



TYPE 12:

Aluminium, cataphoresis black painting / AISI 316L SS
LPKF/WSLPKF: EN/IEC 60079-1, 60079-31

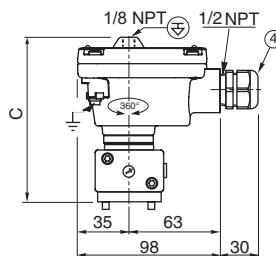
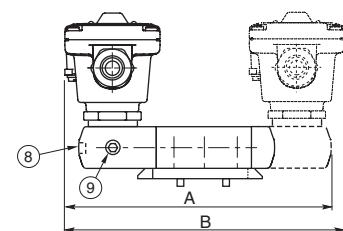
551A303 / 551A304



TYPE 13:

Aluminium, cataphoresis black painting / AISI 316L SS
LI / WSLI: EN/IEC 60079-11, 60079-31

551A303 / 551A304



3/2 NC - 5/2 SERIES 551

Dimensions (mm), Weight (kg)

Type	Prefix/Option	Power level	A	B	C	D	E	Weight ⁽¹⁾	
								Monostable	Bistable
01	SC	BP	144	182	107.7	22.5	86.5	1.45	1.96
02	NF	BP	170	236	146.8	-	-	2.49	4.25
02	WSNF	BP	170	236	146.8	-	-	3.79	5.55
03	WP/WS/EM/WSEM	BP	160	216	108	-	-	1.62	2.23
04	PV	BP	144	184	93	22.5	67.5	1.46	2.19
05	EF / EV	BP	144.5	185	90.5	22.5	74.5	1.47	2.20
06	SC	LP	144.5	185	106.5	22.5	87.5	1.45	2.41
07	NF	LP	170	236	146.8	-	-	2.49	4.25
07	WSNF	LP	170	236	146.8	-	-	3.79	5.55
08	WP / WS / EM / WSEM	LP	160	216	107.2	-	-	1.69	2.23
09	PV	LP	144	184	105.5	22.5	67.5	1.67	2.40
10	EF / EV	LP / ULP	144.5	185	105.5	22.5	74.5	1.66	2.39
11	JBEF	BP / LP / ULP	146.5	207	105.5	-	176	2.17	3.21
12	LPKF	LP / ULP	135	186	118	-	-	1.00	1.65
12	WSLPKF	LP / ULP	135	186	118	-	-	1.61	2.85
13	LI	ULP	135	186	118	-	-	1.01	1.66
13	WSLI	ULP	135	186	118	-	-	1.62	2.86

⁽¹⁾ Incl. coil(s) and connector(s).

- ⁽²⁾ Ex d certified cable gland (on request)
- ⁽³⁾ Three-core cable, length 2 m
- ⁽⁴⁾ Cable gland for unarmoured cable with 7 to 12 mm dia. sheath
- ⁽⁶⁾ Connector rotatable by 90° increments (cable Ø 6 - 10 mm)
- ⁽⁸⁾ Manual operator location, suffix MO
- ⁽⁹⁾ External pilot air supply, 1/8" pipe size
-  Connectable pilot exhaust port
-  Non-connectable pilot exhaust port

Accessories

