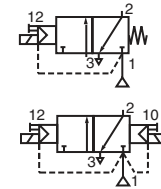




SOLENOID VALVES

solenoid air pilot operated, spool type
single/dual solenoid (mono/bistable function)
aluminium body, 1/4 - 1/2



3/2

Series

551

553

FEATURES

- 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 spool valves 3/2 NC have threaded port connections
- 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)
- Ultra low power level for inside application, suitable to connect to process fieldbus remote I/O or valve couplers
- The solenoid valves satisfy all relevant EC Directives

GENERAL

Differential pressure

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

Flow (Qv at 6 bar)

1/4 = 860 l/min (ANR)

1/2 = 3800 l/min

fluids (*)	temperature range (TS)	seal materials (*)
air, inert gas, filtered	- 25°C to + 40°C ⁽¹⁾	NBR (nitrile) + PUR (polyurethane)
	- 25°C to + 60°C	

⁽¹⁾ With series 302 pilots, prefixes CFSC/CFVT/CFSCIS/CFSCZN.

MATERIALS IN CONTACT WITH FLUID

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

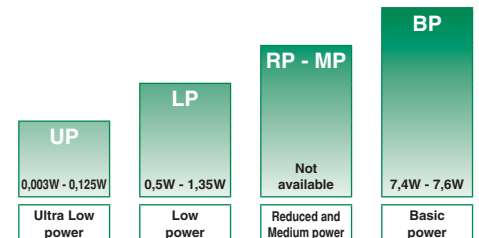
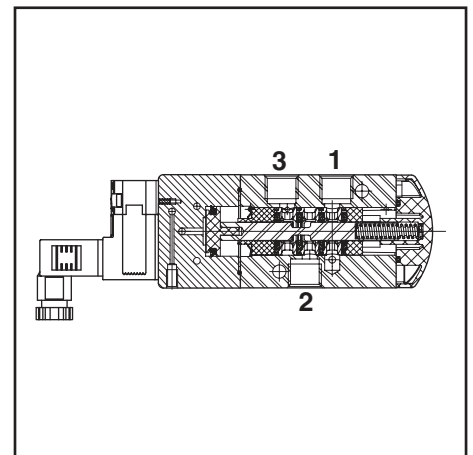
Body Aluminium, black anodised

End cover (spring return) Glass-filled PA

Spool valve internal parts Zamak, stainless steel, POM, aluminium

Pilot internal parts
Size 30 (E06.05.80), refer to specific catalogue pages:
314/LPKF (contact us) and 195 (LISC) pilots
Size 15 (E06.36.120N), refer to specific catalogue pages:
302 pilots (CFSC/CFVT/CFSCIS/CFSCZN) and
630 piezotronic (PISC-PISCIS)

Pilot end covers Aluminium



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	
				min.	max. (PS)			ATEX / IECEx				IP65				
					air (*)	~		=	~/=	Ex d	Ex ia				Ex nA	CNOMO size 30
(❖)	(mm)	(m³/h)	(l/min)					(3)	LISC	CFSCIS	PISCIS	CFSCZN	CFSC	PISC		
Solenoid air pilot operated - spring return (monostable)																
1/4	6	0,75	12,5	2	10	10	LP	-	-	-	-	○	●	-	-	❖551C505 ⁽²⁾
1/4	6	0,75	12,5	2	-	8	LP	-	-	○	-	-	-	-	-	❖551C505 ⁽²⁾
1/4	6	0,75	12,5	2	10	10	BP	●	-	-	-	-	-	-	❖551A205 ⁽²⁾	-
1/4	6	0,75	12,5	2	-	8	LP	-	○	-	-	-	-	-	❖551B205	-
1/4	6	0,75	12,5	2	8	8	UP	-	-	-	-	○	-	●	-	❖551C505 ⁽²⁾
1/2	13	3,15	52,5	2	10	10	LP	-	-	-	-	○	●	-	-	❖553A505 ⁽²⁾
1/2	13	3,15	52,5	2	-	8	LP	-	-	○	-	-	-	-	-	❖553A505 ⁽²⁾
1/2	13	3,15	52,5	2	10	10	BP	●	-	-	-	-	-	-	❖553A205 ⁽²⁾	-
1/2	13	3,15	52,5	2	-	8	LP	-	○	-	-	-	-	-	❖553B205	-
1/2	13	3,15	52,5	2	8	8	UP	-	-	-	-	○	-	●	-	❖553A505 ⁽²⁾

❖ 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

⁽²⁾ Certified IEC 61508 Functional Safety data, use suffix "SL". ⁽³⁾ 314/LPKF: Contact us



THORNE &
DERRICK
INTERNATIONAL

Thorne & Derrick
+44 (0) 191 490 1547
www.heatingandprocess.com

SPECIFICATIONS

pipe size	orifice size	flow coefficient kv		operating pressure differential (bar)			power level	prefix optional solenoids								basic catalogue number	
				min.	max. (PS)			ATEX / IECEx				IP65		CNOMO size 30	CNOMO size 15		
					air (★)			Ex d	Ex ia		Ex nA						
(✱)	(mm)	(m³/h)	(l/min)		~	=	~/=	(3)	LISC	CFSCIS	PISCIS	CFSCZN	CFSC	PISC			
Solenoid air pilot operated and return (bistable)																	
1/4	6	0,75	12,5	2	10	10	LP	-	-	-	-	○	●	-	-	❖551C506	
1/4	6	0,75	12,5	2	-	8	LP	-	-	○	-	-	-	-	-	❖551C506	
1/4	6	0,75	12,5	2	10	10	BP	●	-	-	-	-	-	-	❖551A206	-	
1/4	6	0,75	12,5	2	-	8	LP	-	○	-	-	-	-	-	❖551B206	-	
1/4	6	0,75	12,5	2	8	8	UP	-	-	-	○	-	-	●	-	❖551C506	
1/2	13	3,15	52,5	2	10	10	LP	-	-	-	-	○	●	-	-	❖553A506	
1/2	13	3,15	52,5	2	-	8	LP	-	-	○	-	-	-	-	-	❖553A506	
1/2	13	3,15	52,5	2	10	10	BP	●	-	-	-	-	-	-	❖553A206	-	
1/2	13	3,15	52,5	2	-	8	LP	-	○	-	-	-	-	-	❖553B206	-	
1/2	13	3,15	52,5	2	8	8	UP	-	-	-	○	-	-	●	-	❖553A506	

(*) 314/LPKF: Contact us

PREFIX TABLE

prefix							description	power level			
1	2	3	4	5	6	7		UP	LP	RP	BP
CNOMO solenoid (pilot) interface size 30											
L	I	S	C				Intrinsically safe, pilot 195, ATEX (EN/IEC 60079-11+26, 61241-11)*	-	○	-	-
							(3) Flameproof with pilot 314/LPKF, aluminium (EN 60079-1 / 60079-31)*	-	-	-	●
CNOMO solenoid (pilot) interface size 15											
C	F	S	C				Solenoid + spade plug AMP 2,5x0,5, 9,4 mm, (EN 60730), 302 pilot	-	●	-	-
C	F	V	T				Solenoid with M12 connection, LED + protection (EN 60730), 302 pilot	-	○	-	-
C	F	S	C	I	S		Intrinsically safe, 9,4 mm, pilot 302; ATEX (EN/IEC 60079-11/26)*	-	○	-	-
C	F	S	C	Z	N		Non sparking, connector 9,4 mm cable 2 m, pilot 302 (EN 60079-15/31) *	-	○	-	-
P	I	S	C				Solenoid with spade plug connector (EN 60730), 630 piezotronic pilot	●	-	-	-
P	I	S	C	I	S		Intrinsically safe, piezotronic 630 pilot, ATEX (EN/IEC 60079-11/6079-26) *	○	-	-	-

SUFFIX TABLE

suffix					description	power level				
1	2	3	4	5		UP	LP	RP	BP	
CNOMO solenoid (pilot) interface size 30										
			M	S	Screw type manual operator ^{(2) (5)}	-	-	-	●	
	S	L			Certified IEC 61508 Functional Safety data (monostable)	-	-	-	●	
CNOMO solenoid (pilot) interface size 15										
			M	S	Screw type manual operator ⁽²⁾	-	●	-	-	
			M	O	Push type manual operator	○/●	○/●	-	-	
	S	L			Certified IEC 61508 Functional Safety data (monostable)	○/●	○/●	-	-	

PRODUCT SELECTION GUIDE

STEP 1

Select the fluid temperature range and seal material from the general table on page 13. Select basic catalogue number, including pipe thread identification letter. Refer to the specifications tables on pages 13 and 14.

Example : G553A505

STEP 2

Select prefix (combination). Select the appropriate operator from the tables on pages 13 and 14. Select for this operator in the electrical characteristics table on page 15: the power level (UP, LP, BP), the type of electrical enclosure protection and the desired temperature class.

Warning: The ambient temperature range of your application may not exceed the temperature range of your operator.

Example : CFSC

STEP 3

Select suffix. Suffix **MO** mandatory for the pilot 302 (CFSCIS/CFSDIS/CFVTIS/CFSCZN/CFVTZN). Refer to the suffix table on page 14, respect the indicated power level.

Example : MO

STEP 4

Selection of TPL is mandatory for the 630 pilot (PISCIS), 12 HV DC (32 mW) and 24 HV DC (125 mW). Add "X" between the prefix "PISCIS" and the basic catalogue number.

STEP 5

Select voltage.

Refer to standard voltages on page 15.

Example : 230V / 50Hz

STEP 6

Final catalogue / ordering number.

Example :

CFSCG553A505MO 230 V / 50 Hz

OPTIONS & ACCESSORIES

series	pipe size	exhaust protector (stainless steel)		
		(G)	(NPT)	-
551/553	1/8	34600418 ⁽⁴⁾	34600482 ⁽⁴⁾	-
551	1/4	34600419 ⁽⁴⁾	34600483 ⁽⁴⁾	-
553	1/2	34600479 ⁽⁴⁾	34600481 ⁽⁴⁾	-
551/553	M5	-	-	34600484 ⁽⁴⁾

❖ 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

* ATEX solenoids are also approved according to EN 13463-1 (non electrical valves)

⁽²⁾ Not to use with SL suffix

⁽⁴⁾ Provided with SL suffix (series 551)

⁽⁵⁾ Not to use with LISC prefix

ORDERING EXAMPLES:

LISC	G	551	B	205	12.24V / DC
CFSC	G	553	C	506	230V / 50 Hz
CFSC	8	553	C	505	230V / 50 Hz
CFSC	G	553	C	505	230V / 50 Hz
CFVTZN	G	551	C	505	24V / DC
PISCIS	G	551	C	506	6V / DC
PISCIS	G	551	C	505	6V / DC
PISCIS X	G	551	C	505	24HV / DC
prefix					voltage
pipe thread					TPL
basic number					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

Electrical safety

Standard voltages

F

IEC 335

DC (=)

([®]) : 24V - 48V ; CFSC/CFSCZN/CFVT : 24V

CFSCIS : 12V - 24V ; LISC : 12..24V, PISC : 24V à 70V ; PISCIS : 6V, 8V, 12V, 24V

AC (~)

([®]) : 24V - 48V - 115V - 230V/50Hz ; CFSC : 24V - 115V - 230V/50Hz ;

PISC : 24V to 70V - Other voltages and 60Hz are available on request

prefix option	power ratings				operator ambient temperature range (TS) (C°)	safety code	electrical enclosure protection (EN 60529)	replacement coil		type ⁽²⁾
	inrush ~ (VA)	holding ~ (VA) (W)		hot/ cold = (W)						
Basic power (BP)										
⁽⁸⁾	8,6	1,6	7,4	6/7,6	-25 à +80	II2G Ex d IIB+H2 Gb T4, II2D Ec t IIIC Db	aluminium IP65	-	-	01
Low power (LP)										
CFSC	1,4	1,2	1,1	1/1,2	-25 to +60	EN 60730	moulded IP65	-	-	03
CFSC	2,1 ⁽⁷⁾	1,6 ⁽⁷⁾	1,5 ⁽⁷⁾	-	-25 to +60	EN 60730	moulded IP65	-	-	03
CFVT ⁽⁶⁾	-	-	-	1,15/1,35	-25 to +60	EN 60730	moulded IP67	-	-	04
CFSCZN	-	-	-	1/1,2	-25 to +40/55/60	II 3G Ex nA IIC T6/T5/T4 Gc, II 3D Ex tc IIIC Dc	moulded IP65	-	-	07
CFSCIS ⁽⁴⁾⁽⁵⁾	-	-	-	0,5	-10 to +40/60	II 2G Ex ia IIC T6/T4 Ga, II 2D Ex ia IIIC Db	moulded IP65	-	-	09
LISC ⁽³⁾⁽⁴⁾	-	-	-	0,5	-40 to +65	II 1G Ex ia IIC T6 Ga, II 2D Ex ib IIIC Db ⁽³⁾	moulded IP65	-	-	02
Ultra low power (UP)										
PISC	-	-	-	0,007	-0 to +60	-	moulded IP65	-	-	06
PISCIS ⁽¹⁾⁽⁴⁾ 6V	-	-	-	0,003	-20 to +50	II 2G Ex ia IIC T6 Ga, II 2D Ex ia IIIC Db	moulded IP65	-	-	06
PISCIS ⁽¹⁾⁽⁴⁾ 8V	-	-	-	0,022	-20 to +50	II 2G Ex ia IIC T6 Ga, II 2D Ex ia IIIC Db	moulded IP65	-	-	06
PISCIS ⁽¹⁾⁽⁴⁾ 12LV	-	-	-	0,012	-20 to +50	II 2G Ex ia IIC T6 Ga, II 2D Ex ia IIIC Db	moulded IP65	-	-	06
PISCIS ⁽¹⁾⁽⁴⁾ 12HV	-	-	-	0,032	-20 to +50	II 2G Ex ia IIC T6 Ga, II 2D Ex ia IIIC Db	moulded IP65	-	-	06
PISCIS ⁽¹⁾⁽⁴⁾ 24LV	-	-	-	0,046	-20 to +50	II 2G Ex ia IIC T6 Ga, II 2D Ex ia IIIC Db	moulded IP65	-	-	06
PISCIS ⁽¹⁾⁽⁴⁾ 24HV	-	-	-	0,125	-20 to +50	II 2G Ex ia IIC T6 Ga, II 2D Ex ia IIIC Db	moulded IP65	-	-	06

(1) Piezotronic standard voltages:

Prefix PISC, 24 V to 70 V AC/DC, peak current max. : 80 mA, holding current max. : 1 mA

Prefix PISCIS:	6 V DC / 3 mW	8 V DC / 22 mW	12 V DC / 12 mW	12 H V DC / 32 mW	24 V DC / 46 mW	24 H V DC / 125 mW
Turn ON voltage U_{ON}	6 .. 9 V	7,2 .. 12 V	10,8 .. 16 V	10,8 .. 16 V	21,6 .. 28 V	21,6 .. 28 V
Turn OFF voltage U_{OFF}	3 V	3,2 V	3,3 V	3,3 V	5 V	5 V
Peak current	6 mA	10 mA	6,8 mA	8,1 mA	10 mA	14 mA
Holding current	0,5 mA	2,8 mA	1 mA	2,7 mA	1,9 mA	5,2 mA
Cable + max. barrier resistances ($R_s + R_c$)	1200 Ω max.	300 Ω max.	1200 Ω max.	470 Ω max.	1200 Ω max.	470 Ω max.

prefix option	safety parameters				
	U_i (DC)	I_i	P_i	L_i	C_i
	(V)	(mA)	(W)	(H)	(μ F)
Low power (LP)					
CFSCIS	28	300	1,6	0	0
LISC	30	300	1,6	0	0
Ultra low power (UP)					
PISCIS	30	200	0,9	0	0

(2) Refer to the dimensional drawings on pages 18 to 20.

(3) Min. operating current ($I_{(ON) min.}$): 0,036 A / $U_{(ON) min.}$ = 12,8 V (For use in zone 0 locations, see the installation conditions given in the I&M instructions)

(4) Intrinsically safe pilots: Check the electrical characteristics in the corresponding catalogue pages (CFSCIS/LISC/PISCIS: 302/19500036/630 pilots).

(5) CFSCIS (302 pilots):

12 V : $I_{(ON) min.}$ with LED = 33 mA; $U_{(ON) min.}$ = 11,9 V; $U_{(OFF) recommended}$ = 23 V; $U_{(OFF)}$ = 3,3 V; $I_{(OFF)}$ = 10 mA

24 V : $I_{(ON) min.}$ with LED = 25 mA; $U_{(ON) min.}$ = 16,4 V; $U_{(max.) recommended}$ = 28 V; $U_{(OFF)}$ = 5,7 V; $I_{(OFF)}$ = 7 mA

(6) Values for LED + protection.

(7) AC : 230V

(8) 314/LPK: Contact us

- Not available

ELECTRICAL CONNECTIONS

prefix	connection
([®])	1/2" NPT threaded cable entry. Enclosures are supplied without cable gland
LISC	Spade plug connector with cable gland EN175301-803A (ISO 4400) for cables with an outer diameter from 6 to 8 mm
CFSC, CFSCIS, PISC, PISCIS	Spade plug connector with cable gland DIN 43650, 9,4 mm, form C, for cables with an outer diameter from 4 to 6 mm
CFVT	Spade plug connector, DIN 43650, 9,4 mm, form C, pre-wired connector length 2m
CFSCZN	Straight M12 connector with moulded-in cable, standard length 5 m
CFL	Moulded-in flying lead, standard length 0,3 m

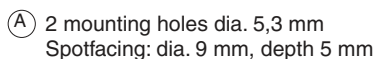
ADDITIONAL OPTIONS

- TPL numbers: TPL **20665**: Piezotronic, PISCIS prefix, 12 HV (32 mW); TPL **20666**: Piezotronic, PISCIS prefix, 24 HV (125 mW)
TPL **20674**: LED and protection, CFSC prefix, only available in 24 V AC/DC and 115 V AC - Add 0,15 W (DC) and 0,4 W/VA (AC)
- Other pipe threads are available on request

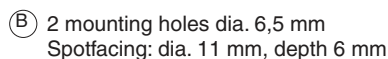
INSTALLATION

- Installation/maintenance instructions are included with each valve
- The valves can be mounted in any position without affecting operation
- Do not connect the pressure supply to the exhaust port 3. The "environmentally-protected" construction is not adapted for a "distributing" function or use in NO function. Contact us for functions available in specific versions
- 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 valve 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)
- Valves with suffix "SL" are provided with specific exhaust protectors

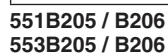
Series 551



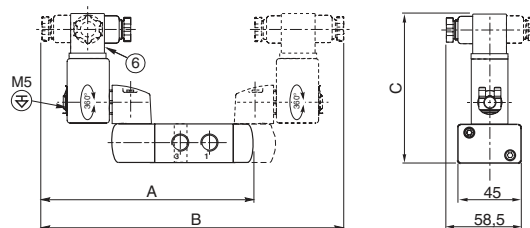
Series 551



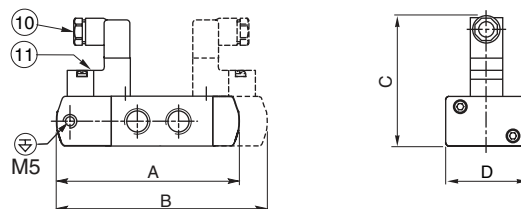
314 pilot/LPKF operator
EN/IEC 60079-1 and EN/IEC 60079-31



LISC
Aluminium
IEC 335/EN 60079-11/26 and EN/IEC 61241-11



CFSC
302 pilot
Polyarylamide
IEC 335 / DIN 43650

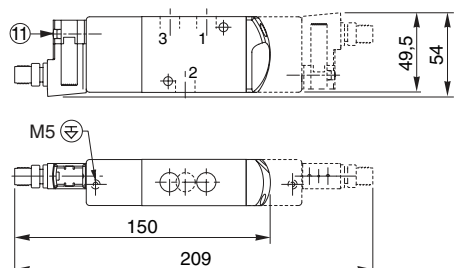


DIMENSIONS (mm), WEIGHT (kg)

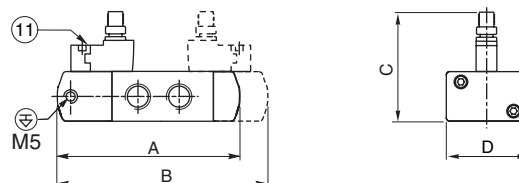


TYPE 04:
CFVT
302 pilot
Polyarylamide
IEC 335 / connection M12 + LED and protection

551C505 / 551C506
551C505MS / 551C505MO / C506MS / C506MO

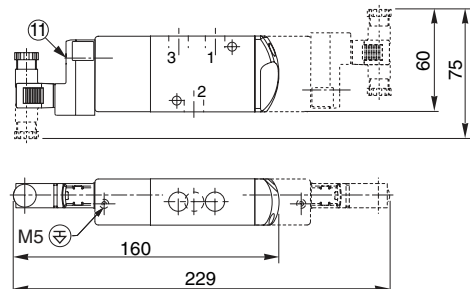


553A505 / A505MS / A505MO / A506 / A506MS / A506MO

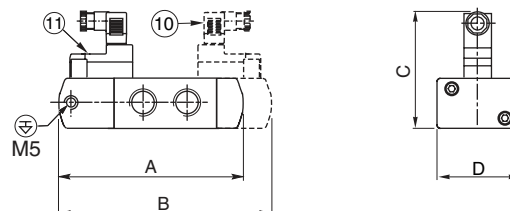


TYPE 06:
PISC / PISCIS
Piezotronic pilot
Polyamide
IEC 335 / DIN 43650
EN 60079-11/26

551C505MO / 551C506MO



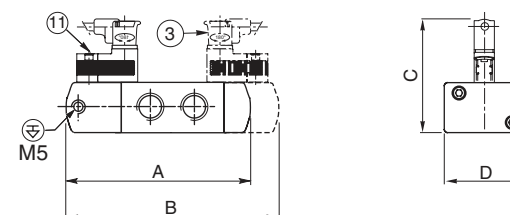
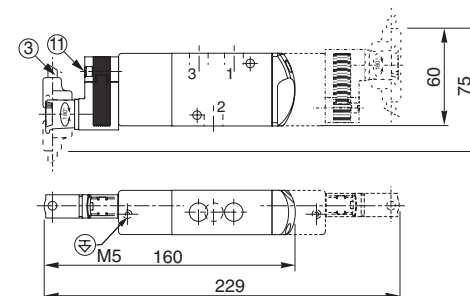
553A505MO / A506MO



TYPE 07:
CFSCZN
302 pilot
Polyarylamide
IEC 335 / DIN 43650, cable 2 m
EN 60079-15 and EN 60079-31

551C505MO / 551C506MO

553A505MO / A506MO



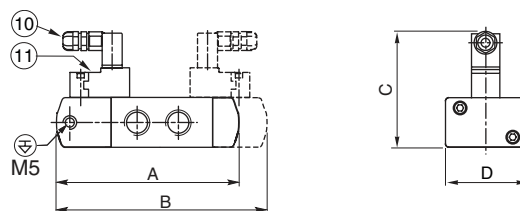
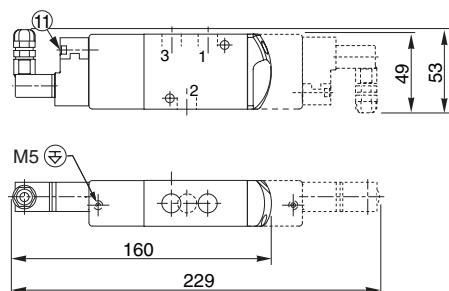
DIMENSIONS (mm), WEIGHT (kg)



TYPE 09:
CFSCIS
302 pilot
Polyarylamide
IEC 335 / DIN 43650
EN/IEC 60079-11/26

551C505MO / 551C506MO

553A505MO / A506MO



- 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 - 8 mm
- ⑦ Screw type manual operator, suffix MS
- ⑧ Push type or screw type manual operator, suffix MO

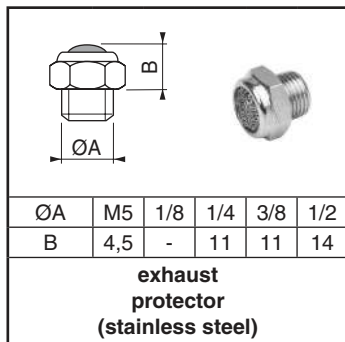
- ⑨ External pilot air supply, 1/8 pipe size
- ⑩ Connector rotatable by 90° increments, cable Ø 6 - 7 mm
- ⑪ Push type manual operator, suffix MO
- ⊕ Connectable pilot exhaust port
- ⊖ Non-connectable pilot exhaust port

DIMENSIONS (mm), WEIGHT (kg)

type	prefix option	power level	A		B		C		D		weight ⁽¹⁾			
											monostable		bistable	
			551	553	551	553	551	553	551	553	551	553	551	553
01	⁽²⁾	BP	185	219,5	278	330	43	55,7	74	86,7	1,19	1,94	1,93	3,02
02	LISC	LP	164	204,5	236	284	107	116,5	45	72,3	0,59	1,34	0,80	2,42
03	CFSC	LP	-	134,5	-	162	-	90,2	-	72,3	0,33	1,00	0,38	2,08
04	CFVT	LP	-	134,5	-	162	-	79,2	-	72,3	0,33	1,00	0,38	2,08
06	PISC / PISCIS	UP	-	134,5	-	162	-	90,2	-	72,3	0,31	1,00	0,32	2,08
07	CFSCZN	LP	-	134,5	-	162	-	90,2	-	72,3	0,41	1,08	0,54	2,24
09	CFSCIS	LP	-	134,5	-	162	-	91,2	-	72,3	0,34	1,02	0,4	2,12

⁽¹⁾ Including coil(s) and connector(s).

ACCESSORIES



ØA	M5	1/8	1/4	3/8	1/2
B	4,5	-	11	11	14

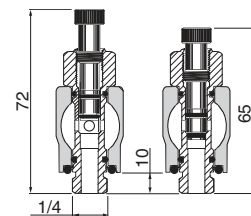
exhaust protector (stainless steel)

ACCESSORIES SERIES 551

Supply rail (supplied with seals and banjo bolts, without mounting brackets) (1)		
supply rail for "n" valves	catalogue number	
	G 1/4	NPT 1/4
2	88100034	88100053
3	88100035	(4)
4	88100036	88100054
5	88100037	88100058
6	88100038	88100055
7	88100039	88100059
8	88100040	88100060

(4) Available on request.

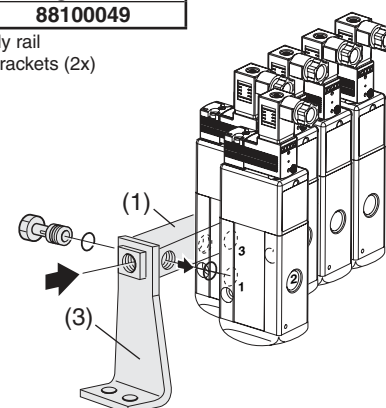
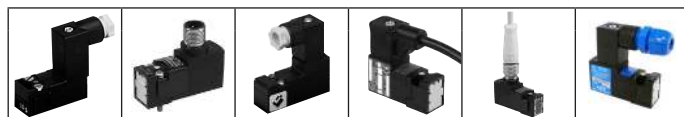
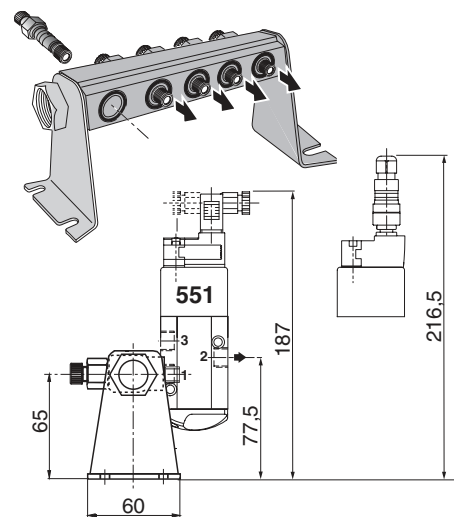
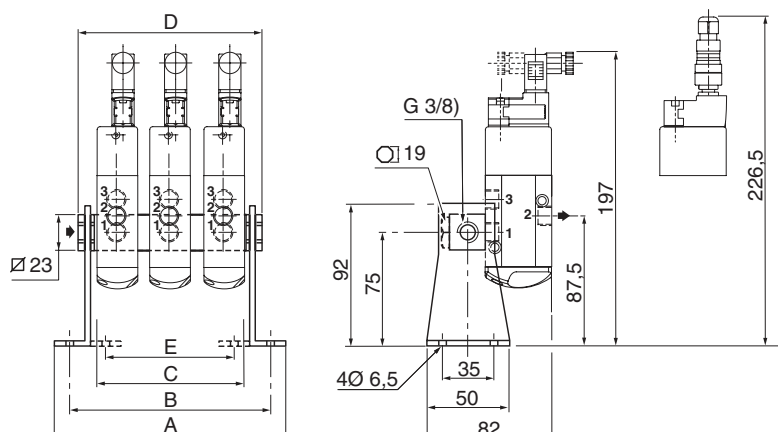
supply rail with isolation valves with mounting brackets (3) Allows the isolation of one or more valves from the general pressure supply		
supply rail for "n" valves	catalogue number	
	G 1/4	NPT
2	88100915	-
3	88100916	-
4	88100917	-
5	88100918	-
6	88100919	-
7	88100920	-
8	88100921	-
9	88100922	-
10	88100923	-
11	88100924	-
12	88100925	-



series 551	number of valves						
	2	3	4	5	6	7	8
A	108	136	164	192	220	248	276
B	92	120	148	176	204	232	260
C	55	83	111	139	167	195	223
D	78	106	134	162	190	218	246
E	42	70	98	126	154	182	210
type	weight (kg)						
03, mono/bistable	0,9/1	1,2/1,4	1,5/1,9	1,9/2,3	2,2/2,7	2,5/3,1	2,8/3,5
04, mono/bistable	0,9/1	1,2/1,4	1,5/1,9	1,9/2,3	2,2/2,7	2,5/3,1	2,8/3,5
06, mono/bistable	0,86/0,92	1,94/1,28	1,42/1,74	1,8/2,1	2,08/2,46	2,36/2,82	2,64/3,18
07, mono/bistable	0,9/1	1,2/1,4	1,5/1,9	1,9/2,3	2,2/2,7	2,5/3,1	2,8/3,5
08, mono/bistable	1,25/1,65	1,62/2,16	1,92/2,77	2,46/3,28	2,83/3,79	3,20/4,30	3,57/4,81
09, mono/bistable	0,92/1,02	1,23/1,46	1,54/1,98	1,95/2,4	2,26/2,82	2,57/3,24	2,88/3,66

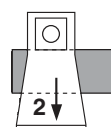
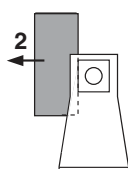
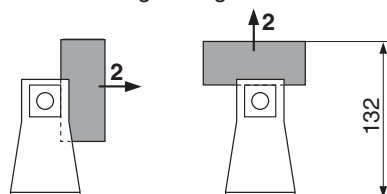
mounting brackets (3)	
series	catalogue number
551	88100049

(1) or (2) supply rail
(3) mounting brackets (2x)


DIMENSIONS (mm), WEIGHT (kg)

TYPE 03-04-06-07-09
See pages 15 to 20


Supply rail with isolation valves

This mounting arrangement allows valves to be mounted in the positions bellow.



Not possible with
supply rail and
isolation valves

