

# SPOOL VALVES

pilot operated or air operated, spool type  
single/dual solenoid or air  
aluminium body, "NAMUR" style, 1/4 to 1/2

3/2-5/2  
5/3  
Séries  
551-552  
553

## FEATURES

- 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)
- The monostable spool valves in conformity with IEC 61508 Standard (2010 route 2<sub>H</sub> version) have TÜV (551 series) and EXIDA (551-552-553 series) certified with integrity levels: SIL 2 for HFT = 0 / SIL 3 for HFT = 1
- The solenoid valves satisfy all relevant EC directives

## GENERAL

Differential pressure  
Flow (Qv at 6 bar)

2 - 10 bar [1 bar = 100 kPa]

l/min (ANR)

|     |      |      |
|-----|------|------|
| 1/4 | 3/8  | 1/2  |
| 700 | 3000 | 3000 |

| 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 and core tube         | 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

DIN 43650, 11 mm, industry standard 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)

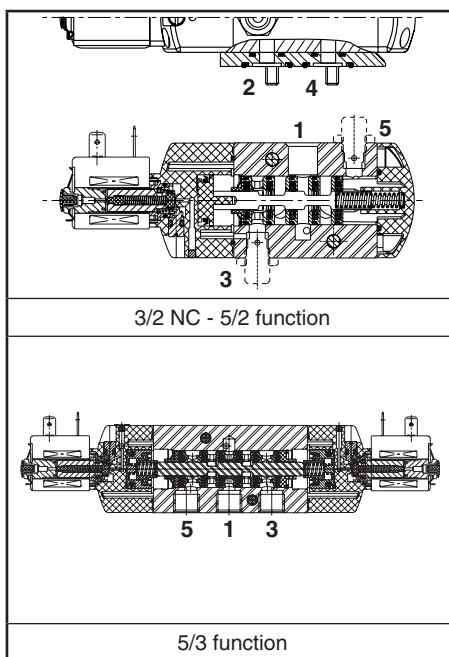
AC (~): 24V - 48V - 115V - 230V / 50 Hz

| prefix option | power ratings |                    |     |                | operator ambient temperature range (TS) (C°) | replacement coil |            | type <sup>(1)</sup> |
|---------------|---------------|--------------------|-----|----------------|----------------------------------------------|------------------|------------|---------------------|
|               | 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   | 5/6,9          | -25 to +60                                   | 400727-117       | 400727-185 | 02                  |

<sup>(1)</sup> Refer to the dimensional drawings on the following page

## SPECIFICATIONS

| 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) |                                       | ~         | =  | ~              | =   | ~/=              |            |               |   |
| 3/2 NC - 5/2 - Solenoid air pilot operated - spring return (monostable)                                           |              |                     |         |                                       |           |    |                |     |                  |            |               |   |
| 1/4                                                                                                               | 6            | 0,6                 | 10      | 2                                     | 10        | 10 | 2,5            | 3   | SCG551A001       | MS         | -             | - |
| 3/8                                                                                                               | 12           | 2,49                | 41,5    | 2                                     | 10        | 10 | 5              | 6,9 | SCG552A001       | MS         | -             | - |
| 1/2                                                                                                               | 13           | 2,49                | 41,5    | 2                                     | 10        | 10 | 5              | 6,9 | SCG553A001       | MS         | -             | - |
| 3/2 NC - 5/2 - Solenoid air pilot operated and return (bistable)                                                  |              |                     |         |                                       |           |    |                |     |                  |            |               |   |
| 1/4                                                                                                               | 6            | 0,6                 | 10      | 2                                     | 10        | 10 | 2,5            | 3   | SCG551A002       | MS         | -             | - |
| 3/8                                                                                                               | 12           | 2,49                | 41,5    | 2                                     | 10        | 10 | 5              | 6,9 | SCG552A002       | MS         | -             | - |
| 1/2                                                                                                               | 13           | 2,49                | 41,5    | 2                                     | 10        | 10 | 5              | 6,9 | SCG553A002       | MS         | -             | - |
| 5/3 - W1 - pressure held, solenoid air pilot and return                                                           |              |                     |         |                                       |           |    |                |     |                  |            |               |   |
| 1/4                                                                                                               | 6            | 0,6                 | 10      | 2                                     | 10        | 10 | 2,5            | 3   | SCG551A065       | MS         | -             | - |
| 3/8                                                                                                               | 12           | 2,49                | 41,5    | 2                                     | 10        | 10 | 5              | 6,9 | SCG552A065       | MS         | -             | - |
| 1/2                                                                                                               | 13           | 2,49                | 41,5    | 2                                     | 10        | 10 | 5              | 6,9 | SCG553A065       | MS         | -             | - |
| 5/3 - W3 - pressure released, solenoid air pilot and return                                                       |              |                     |         |                                       |           |    |                |     |                  |            |               |   |
| 1/4                                                                                                               | 6            | 0,6                 | 10      | 2                                     | 10        | 10 | 2,5            | 3   | SCG551A066       | MS         | -             | - |
| 3/8                                                                                                               | 12           | 2,49                | 41,5    | 2                                     | 10        | 10 | 5              | 6,9 | SCG552A066       | MS         | -             | - |
| 1/2                                                                                                               | 13           | 2,49                | 41,5    | 2                                     | 10        | 10 | 5              | 6,9 | SCG553A066       | MS         | -             | - |
| 3/2 NC - 5/2 - Solenoid air pilot operated spring return (monostable), certified IEC 61508 Functional Safety data |              |                     |         |                                       |           |    |                |     |                  |            |               |   |
| 1/4                                                                                                               | 6            | 0,6                 | 10      | 2                                     | 10        | 10 | 2,5            | 3   | SCG551A001SL     | -          | -             | - |
| 3/8                                                                                                               | 12           | 2,49                | 41,5    | 2                                     | 10        | 10 | 5              | 6,9 | SCG552A001SL     | -          | -             | - |
| 1/2                                                                                                               | 13           | 2,49                | 41,5    | 2                                     | 10        | 10 | 5              | 6,9 | SCG553A001SL     | -          | -             | - |



## AIR OPERATED AND OPTIONS

- Versions (Type 03): - pilot air operated, spring return, catalogue numbers: **G551A101 / G551A101SL** (1/4); **G552A101 / G552A101SL** (3/8); **G553A101 / G553A101SL** (1/2)  
- pilot air operated and return, catalogue numbers: **G551A102** (1/4); **G552A102** (3/8); **G553A102** (1/2)
- Suffix **"MF"** (air operated only, low temperature version, -40°C)
- Suffix **"GD"** (air operated only, ATEX 2GD c)
- Compliance with "UL" standard is available on request
- Explosionproof enclosures for use in zones 1/21-2/22, categories 2-3 to ATEX Directive 94/9/EC (see "Explosionproof solenoids" section)
- Valves equipped with exhaust reducers G 1/8 (3/2 NC-5/2, series 551), suffix M
- Set of stainless steel mounting screws (series 551), catalogue number **97802212**
- Set of two G 1/8 exhaust reducers (series 551), catalogue number **88100344**
- Other pipe connections are available on request
- Plug with visual indication and peak voltage suppression or with cable length of 2 m (see Solenoids, Coils & Accessories section)

## INSTALLATION

- The valves can be mounted in any position without affecting operation
- 3/2 NC-5/2 spool valve supplied with two interface plates with NAMUR mating surfaces. Depending on function (3/2 NC or 5/2), position one of the two plates 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
- 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.)
- IEC 61508 Functional Safety (suffix SL). Check temperature range of valve body and solenoid for suitability. For probability of failure, contact us
- Threaded pipe connection is standard: G = G (ISO 228/1)
- Valves with suffix "SL" are supplied with specific exhaust protectors
- Installation/maintenance instructions are included with each valve

## ACCESSORIES

| series      | pipe size | exhaust protector<br>(stainless steel) |
|-------------|-----------|----------------------------------------|
| 551         | G 1/8     | <b>34600418</b> <sup>(1)</sup>         |
| 551 (W1/W3) | G 1/4     | <b>34600419</b>                        |
| 552         | G 3/8     | <b>34600478</b> <sup>(1)</sup>         |
| 553         | G 1/2     | <b>34600479</b> <sup>(1)</sup>         |
| 551-552-553 | M5        | <b>34600484</b> <sup>(1)</sup>         |

<sup>(1)</sup> Supplied with suffix "SL"

## ORDERING EXAMPLES:

|    |   |     |     |     |     |              |
|----|---|-----|-----|-----|-----|--------------|
| SC | G | 551 | A   | 001 | MS  | 230V / 50 Hz |
| SC | G | 551 | A   | 001 | SL  | 24V / DC     |
| SC | G | 552 | A   | 002 |     | 115V / 50 Hz |
|    |   | G   | 551 | A   | 101 | SL           |

prefix      pipe thread      basic number      voltage      suffix

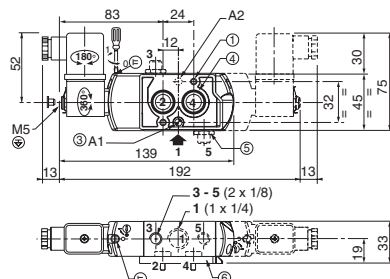
## DIMENSIONS (mm), WEIGHT (kg)



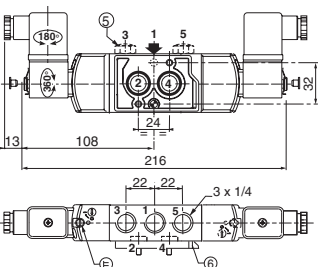
### TYPE 01

Prefix "SC" Solenoid  
Epoxy moulded  
IEC 335 / DIN 43650  
IP65

**551A001/A001MS/A001SL/A002/A002MS**



**551A065/A065MS/A066/A066MS (W1 - W3)**

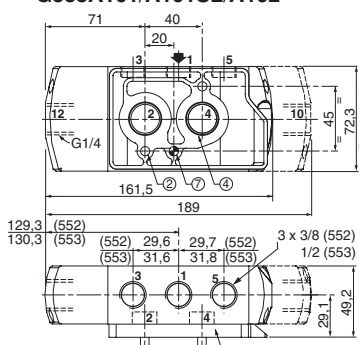
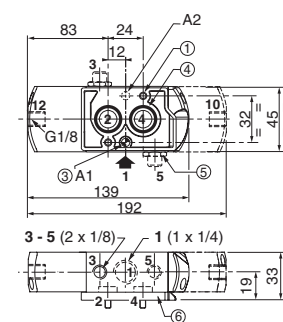


### TYPE 03

No prefix  
Air operated version

**G551A101/A102**

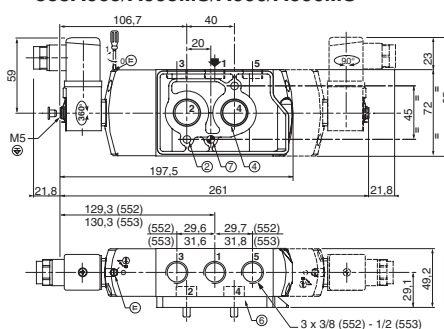
**G552A101/A101SL/A102**  
**G553A101/A101SL/A102**



### TYPE 02

Prefix "SC" Solenoid  
Epoxy moulded  
IEC 335 / ISO 4400  
IP65

**552A001/A001MS/A001SL/A002/A002MS**  
**552A065/A065MS/A066/A066MS**  
**553A001/A001MS/A001SL/A002/A002MS**  
**553A065/A065MS/A066/A066MS**



- ① 2 mounting holes: 5,3 mm dia. (Spotfacing: 9 mm dia., depth 5 mm)
- ② 2 mounting holes: 6,5 mm dia. (Spotfacing: 11 mm dia., depth 6 mm)
- ③ One 5 mm dia. hole for dowel pin:  
- in position A1: 3/2 NC function plate  
- in position A2: 5/2 function plate
- ④ 2 O-ring seals (supplied)
- ⑤ Exhaust reducer (G 1/8, 3/2 NC-5/2, series 551) or exhaust protector
- ⑥ Interface plate

| weight <sup>(2)</sup><br>(kg) | type 01 |      | type 02 |      | type 03 |      |      |
|-------------------------------|---------|------|---------|------|---------|------|------|
|                               | 3/2-5/2 | 5/3  | 552     | 553  | 551     | 552  | 553  |
| monostable.                   | 0,34    | -    | 0,91    | 0,90 | 0,31    | 0,86 | 0,85 |
| bistable                      | 0,46    | 0,45 | 1,21    | 1,20 | 0,41    | 1,12 | 1,11 |

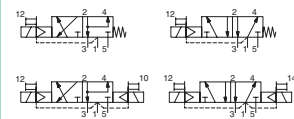
<sup>(2)</sup> Incl. coil(s) and connector(s).

All leaflets are available on: [www.asconumatics.eu](http://www.asconumatics.eu)



# SOLENOID VALVES

pilot operated, spool type  
single/dual solenoid (mono/bistable function)  
aluminium body, "NAMUR" style, 1/4 to 1/2



3/2-5/2

Series  
551-552  
553

## FEATURES

- 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)
- Solenoid pilot valve with spade-plug connector type EN 175301-803, industry standard form C, with 9,4 mm spacing. Versions with M12 connection
- Solenoid pilot valve, CNOMO size 15 interface, with or without integral LED and electrical protection. LED indicator visible from 3 sides
- The monostable spool valves in conformity with IEC 61508 Standard (2010 route 2<sub>H</sub> version) have TÜV (551 series) and EXIDA (551-552-553 series) certified with integrity levels: SIL 2 for HFT = 0 / SIL 3 for HFT = 1
- The solenoid valves satisfy all relevant EC directives

## GENERAL

Differential pressure  
Flow (Qv at 6 bar)

2 - 10 bar [1 bar = 100 kPa]  
l/min (ANR)

|     |      |      |
|-----|------|------|
| 1/4 | 3/8  | 1/2  |
| 700 | 3000 | 3000 |

Pilot mounting interface surface ISO 15218 (CNOMO E06.36.120N, size 15)

| fluids (*)               | temperature range (TS) | seal materials (*)                 |
|--------------------------|------------------------|------------------------------------|
| air, inert gas, filtered | -25°C to +40°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 cover (spring)         | Glass fibre filled PA                  |
| Interface plates           | Glass fibre filled PA                  |
| Spool valve internal parts | Zamak, stainless steel, POM, aluminium |
| Pilot body                 | PARA                                   |
| Pilot internal parts       | POM, PET, stainless steel and brass    |
| Pneumatic interface seal   | TPE                                    |

## ELECTRICAL CHARACTERISTICS

|                                       |                                             |
|---------------------------------------|---------------------------------------------|
| Coil insulation class                 | F                                           |
| Connector (type 05)                   | Spade plug (cable Ø 4-6 mm)                 |
| Connector specification               | Type 05: DIN 43650, 9,4 mm, form C          |
| Connection                            | Type 07: M12 (CNOMO E03.62.520.N)           |
| Electrical safety                     | IEC 335                                     |
| Electrical enclosure protection       | Moulded IP65 [05] or IP67 [07] (EN 60529)   |
| Standard voltages                     | DC (=): 24V                                 |
| (Other voltages and 60 Hz on request) | AC (~): 24V-115V-230V / 50 Hz (prefix CFSC) |

| prefix<br>option    | power ratings      |                    |                    |                          | operator<br>ambient<br>temperature<br>range (TS) | voltage |     | type <sup>(1)</sup> |
|---------------------|--------------------|--------------------|--------------------|--------------------------|--------------------------------------------------|---------|-----|---------------------|
|                     | inrush<br>~        | holding<br>~       |                    | hot/cold<br>=            |                                                  | ~       | =   |                     |
|                     | (VA)               | (VA)               | (W)                | (W)                      |                                                  | (C°)    | (V) |                     |
| CFSC                | 1,4                | 1,2                | 1,1                | 1/1,2                    | -25 to +60                                       | 24-115  | 24  | 05                  |
|                     | 1,8 <sup>(2)</sup> | 1,6 <sup>(2)</sup> | 1,5 <sup>(2)</sup> | 1,15/1,35 <sup>(2)</sup> |                                                  |         |     |                     |
|                     | 2,1                | 1,6                | 1,5                | -                        | -25 to +60                                       | 230     | -   |                     |
|                     | 2,5 <sup>(2)</sup> | 2 <sup>(2)</sup>   | 1,9 <sup>(2)</sup> | -                        | -25 to +50                                       |         |     |                     |
| CFVT <sup>(3)</sup> | -                  | -                  | -                  | 1,15/1,35                | -25 to +60                                       | -       | 24  | 07                  |

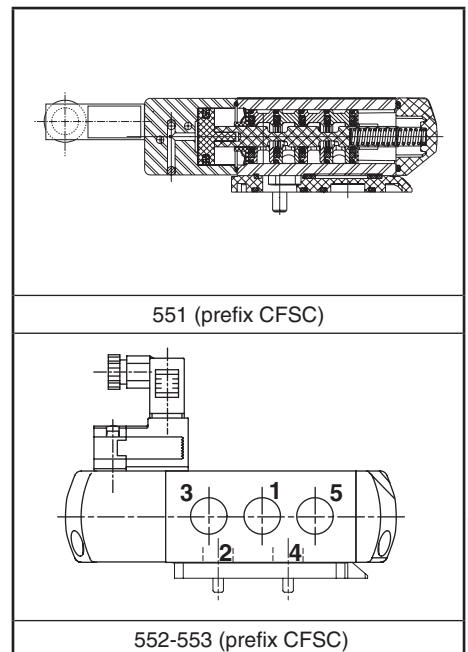
<sup>(1)</sup> Refer to the dimensional drawings on the following page.

<sup>(2)</sup> Values with LED indicator and protection, use TPL 20674.

<sup>(3)</sup> Supplied with LED indicator and protection.

## SPECIFICATIONS

| pipe<br>size                                                            | orifice<br>size | flow<br>coefficient<br>Kv |         | operating pressure<br>differential (bar) |           |    | power coil<br>(W) |      | catalogue number                                     |                      | options                     |                          |   |
|-------------------------------------------------------------------------|-----------------|---------------------------|---------|------------------------------------------|-----------|----|-------------------|------|------------------------------------------------------|----------------------|-----------------------------|--------------------------|---|
|                                                                         |                 |                           |         | min.                                     | max. (PS) |    |                   |      | connector<br>EN 175301-803 (9,4 mm)<br><br>(type 05) | M12<br><br>(type 07) | maintained<br>man. operator | impulse<br>man. operator |   |
|                                                                         |                 |                           |         |                                          | air (*)   |    |                   |      |                                                      |                      |                             |                          |   |
| G                                                                       | (mm)            | (m³/h)                    | (l/min) |                                          | ~         | =  | ~                 | =    | ~/=                                                  | =                    |                             |                          |   |
| 3/2 NC - 5/2 - Solenoid air pilot operated - spring return (monostable) |                 |                           |         |                                          |           |    |                   |      |                                                      |                      |                             |                          |   |
| 1/4                                                                     | 6               | 0,6                       | 10      | 2                                        | 10        | 10 | 1,1..1,5          | 1,2  | CFSCG551C501                                         | -                    | MS                          | MO                       | - |
|                                                                         |                 |                           |         |                                          |           |    | -                 | 1,35 | -                                                    | CFVTG551C501         | MS                          | MO                       | - |
| 3/8                                                                     | 12              | 2,49                      | 41,5    | 2                                        | 10        | 10 | 1,1..1,5          | 1,2  | CFSCG552A501                                         | -                    | MS                          | MO                       | - |
|                                                                         |                 |                           |         |                                          |           |    | -                 | 1,35 | -                                                    | CFVTG552A501         | MS                          | MO                       | - |
| 1/2                                                                     | 13              | 2,49                      | 41,5    | 2                                        | 10        | 10 | 1,1..1,5          | 1,2  | CFSCG553A501                                         | -                    | MS                          | MO                       | - |
|                                                                         |                 |                           |         |                                          |           |    | -                 | 1,35 | -                                                    | CFVTG553A501         | MS                          | MO                       | - |
| 3/2 NC - 5/2 - Solenoid air pilot operated and return (bistable)        |                 |                           |         |                                          |           |    |                   |      |                                                      |                      |                             |                          |   |
| 1/4                                                                     | 6               | 0,6                       | 10      | 2                                        | 10        | 10 | 1,1..1,5          | 1,2  | CFSCG551C502                                         | -                    | MS                          | MO                       | - |
|                                                                         |                 |                           |         |                                          |           |    | -                 | 1,35 | -                                                    | CFVTG551C502         | MS                          | MO                       | - |
| 3/8                                                                     | 12              | 2,49                      | 41,5    | 2                                        | 10        | 10 | 1,1..1,5          | 1,2  | CFSCG552A502                                         | -                    | MS                          | MO                       | - |
|                                                                         |                 |                           |         |                                          |           |    | -                 | 1,35 | -                                                    | CFVTG552A502         | MS                          | MO                       | - |
| 1/2                                                                     | 13              | 2,49                      | 41,5    | 2                                        | 10        | 10 | 1,1..1,5          | 1,2  | CFSCG553A502                                         | -                    | MS                          | MO                       | - |
|                                                                         |                 |                           |         |                                          |           |    | -                 | 1,35 | -                                                    | CFVTG553A502         | MS                          | MO                       | - |



G

## SPECIFICATIONS

| pipe size                                                                                                         | orifice size | flow coefficient Kv |         | operating pressure differential (bar) |           |    | power coil (W) |      | catalogue number                                 |                  | options                     |                          |   |
|-------------------------------------------------------------------------------------------------------------------|--------------|---------------------|---------|---------------------------------------|-----------|----|----------------|------|--------------------------------------------------|------------------|-----------------------------|--------------------------|---|
|                                                                                                                   |              |                     |         | min.                                  | max. (PS) |    |                |      | connector<br>EN 175301-803 (9,4 mm)<br>(type 05) | M12<br>(type 07) | maintained<br>man. operator | impulse<br>man. operator |   |
|                                                                                                                   |              |                     |         |                                       | air (*)   |    |                |      |                                                  |                  |                             |                          |   |
| G                                                                                                                 | (mm)         | (m³/h)              | (l/min) |                                       | ~         | =  | ~              | =    | ~/=                                              | =                |                             |                          |   |
| 3/2 NC - 5/2 - Solenoid air pilot operated spring return (monostable), certified IEC 61508 Functional Safety data |              |                     |         |                                       |           |    |                |      |                                                  |                  |                             |                          |   |
| 1/4                                                                                                               | 6            | 0,6                 | 10      | 2                                     | 10        | 10 | 1,1..1,5       | 1,2  | CFSCG551C501SL                                   | -                | -                           | MO                       | - |
|                                                                                                                   |              |                     |         |                                       |           |    | -              | 1,35 | -                                                | CFVTG551C501SL   | -                           | MO                       | - |
| 3/8                                                                                                               | 12           | 2,49                | 41,5    | 2                                     | 10        | 10 | 1,1..1,5       | 1,2  | CFSCG552A501SL                                   | -                | -                           | MO                       | - |
|                                                                                                                   |              |                     |         |                                       |           |    | -              | 1,35 | -                                                | CFVTG552A501SL   | -                           | MO                       | - |
| 1/2                                                                                                               | 13           | 2,49                | 41,5    | 2                                     | 10        | 10 | 1,1..1,5       | 1,2  | CFSCG553A501SL                                   | -                | -                           | MO                       | - |
|                                                                                                                   |              |                     |         |                                       |           |    | -              | 1,35 | -                                                | CFVTG553A501SL   | -                           | MO                       | - |

## OPTIONS

- Explosionproof enclosures for use in zones 1/21-2/22, categories 2-3 to ATEX Directive 94/9/EC (see "Explosionproof solenoids" section)
- LED and protection, prefixes CFSC / CFSD, use TPL number: TPL 20674 (e.g.: CFSDXG551C505TPL20674)
- Straight M12 connector: with 5 m cable length (catalogue number **88130212**)
- Valves equipped with exhaust reducers G 1/8 (3/2 NC-5/2, series 551), suffix M
- Set of stainless steel mounting screws (series 551), catalogue number **97802212**
- Set of two G 1/8 exhaust reducers (series 551), catalogue number **88100344**
- Versions with spade-plug connector type ISO 15217/DIN 43650 form C with 8 mm spacing or with cable ends: contact us
- Other pipe connections are available on request
- Plug with visual indication and peak voltage suppression or with cable length of 2 m (see Solenoids, Coils & Accessories section)

## INSTALLATION

- The valves can be mounted in any position without affecting operation
- 3/2 NC-5/2 spool valve supplied with two interface plates with NAMUR mating surfaces. Depending on function (3/2 NC or 5/2), position one of the two plates 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
- 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.)
- IEC 61508 Functional Safety (suffix SL). Check temperature range of valve body and solenoid for suitability. For probability of failure, contact us
- Threaded pipe connection is standard: G = G (ISO 228/1)
- Valves with suffix "SL" are supplied with specific exhaust protectors
- Installation/maintenance instructions are included with each valve

## ACCESSORIES

| series      | pipe size | exhaust protector (stainless steel) |
|-------------|-----------|-------------------------------------|
| 551         | G 1/8     | <b>34600418</b> <sup>(1)</sup>      |
| 552         | G 3/8     | <b>34600478</b> <sup>(1)</sup>      |
| 553         | G 1/2     | <b>34600479</b> <sup>(1)</sup>      |
| 551-552-553 | M5        | <b>34600484</b> <sup>(1)</sup>      |

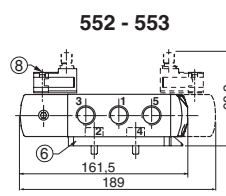
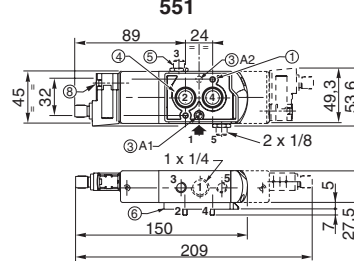
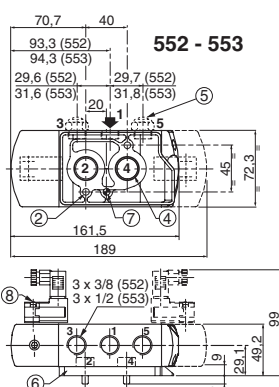
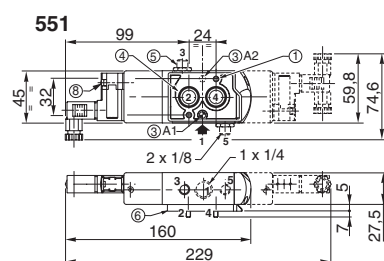
<sup>(1)</sup> Supplied with suffix "SL"

## ORDERING EXAMPLES:

|  |             |   |     |          |     |             |              |
|--|-------------|---|-----|----------|-----|-------------|--------------|
|  | <b>CFSC</b> | G | 551 | <b>C</b> | 501 |             | 230V / 50 Hz |
|  | <b>CFSC</b> | G | 551 | <b>C</b> | 501 | <b>SL</b>   | 115V / 50 Hz |
|  | <b>CFVT</b> | G | 552 | <b>A</b> | 502 | <b>MS</b>   | 24V / DC     |
|  | <b>CFSC</b> | G | 551 | <b>C</b> | 501 | <b>SLMO</b> | 230V / 50 Hz |

prefix — pipe thread — basic number — voltage — suffix

## DIMENSIONS (mm), WEIGHT (kg)



2 mounting holes:

- 5,3 mm dia. (Spotfacing: 9 mm dia., depth 5 mm)
- 6,5 mm dia. (Spotfacing: 11 mm dia., depth 6 mm)
- One 5 mm dia. hole for dowel pin:
  - in position A1: 3/2 NC function plate
  - in position A2: 5/2 function plate
- 2 O-ring seals (supplied)
- Exhaust reducer (G 1/8, series 551) or exhaust protector
- Interface plate
- One 6,5 mm dia. hole for dowel pin, position for 3/2 NC or 5/2 function plate
- Manual operator location

| type | prefix option | weight <sup>(2)</sup> |      |      |          |      |      |
|------|---------------|-----------------------|------|------|----------|------|------|
|      |               | monostable            |      |      | bistable |      |      |
| 05   | CFSC          | 0,34                  | 1,1  | 1    | 0,39     | 2,18 | 2,08 |
| 07   | CFVT          | 0,36                  | 1,12 | 1,02 | 0,43     | 2,22 | 2,12 |

<sup>(2)</sup> Prefix CFSC: including connector(s).

All leaflets are available on: [www.asconumatics.eu](http://www.asconumatics.eu)

V860-4

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