



## Servo-assisted 2/2-way diaphragm valve

- Servo-assisted diaphragm valve up to DN 50
- Fix-coupled diaphragm opens without differential pressure
- Vibration-proof, block screwed coil system
- Energy-saving power reduction for all DC variants



Product variants described in the data sheet may differ from the product presentation and description.

### Can be combined with



#### Type 2518

Cable plug,  
form A according to  
DIN EN 175301-803



#### Type 1087

Timer,  
form A according to  
DIN EN 175301-803



### Type description

Valve 0290 is a servo-assisted diaphragm valve. The valve opens without differential pressure. The opening process is facilitated by the fix-coupling of the diaphragm to the magnetic core. The integrated 'soft-kick' function ensures gentle opening. Various diaphragm materials are available depending on the actual application. The range includes variants with a stainless steel body. The solenoid coils are moulded with an epoxy that has a high level of chemical resistance. Kick and drop electronics are moulded into all DC solenoid variants for reduced electrical power consumption.

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## 1. General technical data

|                                                     |                                                                                                                                                                                                                             |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product properties</b>                           |                                                                                                                                                                                                                             |
| Dimensions                                          | Further information can be found in chapter <b>"5. Dimensions"</b> on page 6.                                                                                                                                               |
| <b>Material</b>                                     |                                                                                                                                                                                                                             |
| Seal                                                | NBR, FKM, EPDM                                                                                                                                                                                                              |
| Body                                                | Brass, stainless steel 1.4581                                                                                                                                                                                               |
| Coil                                                | Epoxy                                                                                                                                                                                                                       |
| Valve inner parts                                   | Brass, stainless steel                                                                                                                                                                                                      |
| <b>Orifice</b>                                      |                                                                                                                                                                                                                             |
| Standard variant                                    | DN 12...DN 50                                                                                                                                                                                                               |
| With approval according to DIN EN 161               | DN 12...DN 25                                                                                                                                                                                                               |
| Circuit function                                    | A<br>Further information can be found in chapter <b>"2. Circuit functions"</b> on page 4.                                                                                                                                   |
| Thermal insulation class of solenoid coil           | Epoxy coil class H                                                                                                                                                                                                          |
| <b>Performance data</b>                             |                                                                                                                                                                                                                             |
| Duty cycle                                          | 100 % continuous operation (unless otherwise specified on the type plate)                                                                                                                                                   |
| <b>Switching time</b> <sup>1) 2)</sup>              |                                                                                                                                                                                                                             |
| DN 12...DN 25                                       | Opening: 100...250 ms<br>Closing: 700...2000 ms                                                                                                                                                                             |
| DN 32...DN 65                                       | Opening: 300...1000 ms<br>Closing: 700...4000 ms                                                                                                                                                                            |
| DN 12...DN 25 with approval according to DIN EN 161 | Opening: 120...150 ms<br>Closing: 130...250 ms                                                                                                                                                                              |
| <b>Electrical data</b>                              |                                                                                                                                                                                                                             |
| Voltage                                             | 24 V 50 Hz, 24 V DC, 24 V UC, 110 V 50 Hz, 230 V 50 Hz                                                                                                                                                                      |
| Voltage tolerance                                   | ± 10 %                                                                                                                                                                                                                      |
| <b>Medium data</b>                                  |                                                                                                                                                                                                                             |
| <b>Operating medium</b>                             |                                                                                                                                                                                                                             |
| With NBR                                            | Neutral media (e.g. compressed air, water, hydraulic oil, oils without additives)w                                                                                                                                          |
| With FKM                                            | Per solutions, hot oils with additives                                                                                                                                                                                      |
| With EPDM                                           | Oil- and fat-free media, (e.g. hot water)                                                                                                                                                                                   |
| With NBR with approval according to DIN EN 161      | Fuel gases of the 1st, 2nd and 3rd gas family                                                                                                                                                                               |
| <b>Medium temperature</b> <sup>3)</sup>             |                                                                                                                                                                                                                             |
| With NBR                                            | - 10 °C...+ 80 °C                                                                                                                                                                                                           |
| With FKM                                            | 0 °C...+ 120 °C                                                                                                                                                                                                             |
| With EPDM                                           | - 30 °C...+ 100 °C                                                                                                                                                                                                          |
| With NBR with approval according to DIN EN 161      | 0 °C...+ 80 °C                                                                                                                                                                                                              |
| <b>Process/Port connection and communication</b>    |                                                                                                                                                                                                                             |
| Electrical connection                               | Plug contacts according to DIN EN 175 301 - 803 form A for cable plug <b>Type 2518</b> ▶.<br>Further information can be found in chapter <b>"Cable plug Type 2518, form A according to DIN EN 175301 - 803"</b> on page 10. |
| <b>Approvals and certificates</b>                   |                                                                                                                                                                                                                             |
| Degree of protection                                | IP65 with cable plug                                                                                                                                                                                                        |
| North America (USA/Canada)                          | Further information can be found in chapter <b>"3.4. North America (USA/Canada)"</b> on page 4.                                                                                                                             |
| Drinking water                                      | Further information can be found in chapter <b>"3.5. Drinking water"</b> on page 4.                                                                                                                                         |
| Others                                              | Further information can be found in chapter <b>"3.6. Others"</b> on page 5.                                                                                                                                                 |
| <b>Environment and installation</b>                 |                                                                                                                                                                                                                             |
| Installation position                               | As required, preferably with actuator upright                                                                                                                                                                               |
| <b>Ambient temperature</b>                          |                                                                                                                                                                                                                             |
| Standard variant <sup>4)</sup>                      | Max. + 55 °C                                                                                                                                                                                                                |
| With approval according to DIN EN 161               | 0 °C to + 55 °C                                                                                                                                                                                                             |

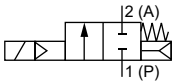
1.) Measurement at + 20 °C, 6 bar at the valve outlet, opening: pressure build-up 0...90 %, closing: pressure reduction 100...10 %

2.) For variants with high-performance electronics max. 6 switching cycles per minute. For switching cycles exceeding this limit, please request technical advice if necessary.

3.) Max. medium temperature for variants with high-performance electronics (encoding .../UC) is 90 °C.

4.) For variants with high-performance electronics up to +70 °C is possible depending on the number of switching cycles. Please request technical advice if necessary.

## 2. Circuit functions

| Symbol                                                                            | Description                                                                                       |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
|  | <b>Circuit function A (CF A)</b><br>2/2-way solenoid valve<br>Servo-controlled<br>Normally closed |

## 3. Approvals and conformities

### 3.1. General notes

- The approvals and conformities listed below must be stated when making enquiries. This is the only way to ensure that the product complies with all required specifications.
- Not all available variants can be supplied with the below mentioned approvals or conformities.

### 3.2. Conformity

In accordance with the Declaration of Conformity, the product is compliant with the EU Directives.

### 3.3. Standards

The applied standards which are used to demonstrate compliance with the EU Directives are listed in the EU-Type Examination Certificate and/or the EU Declaration of Conformity.

### 3.4. North America (USA/Canada)

| Approval                                                                            | Description                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Optional: UL Listed for the USA</b><br>The products are UL Listed for the USA according to: <ul style="list-style-type: none"> <li>• UL 429 (electrically operated valves)</li> </ul>              |
|  | <b>Optional: UL Recognized for the USA</b><br>The products are UL Recognized for the USA according to: <ul style="list-style-type: none"> <li>• UL 429 (electrically operated valves)</li> </ul>      |
|  | <b>Optional: CSA for Canada</b><br>The products are CSA approved for Canada according to: <ul style="list-style-type: none"> <li>• CAN/CSA-C22.2 No. 139-19 (electrically operated valves)</li> </ul> |

### 3.5. Drinking water

| Conformity                                                                          | Description                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Suitable for use in drinking water applications</b><br>The materials comply with the assessment principles (UBA) for materials in contact with drinking water (TrinkwasserV).<br><br>PF36: Suitable for products with a maximum temperature of 60 °C (warm water) |
|                                                                                     | <b>Suitable for use in drinking water applications with WRAS/WRC approval</b><br><br>PD23: Sealing materials with WRAS/WRC approval for DN 12...DN 25                                                                                                                |

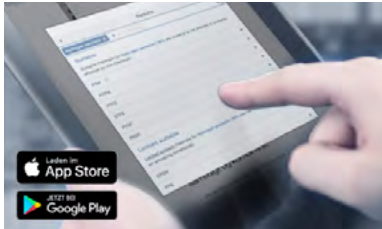
3.6. Others

Fuel gases

| Conformity                                                                        | Description                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Fuel gases (valid for the variable code PO17)</b><br>The products comply with: <ul style="list-style-type: none"><li>• Regulation (EU) 2016/426 – Appliances burning gaseous fuels and</li><li>• DVGW DIN EN 161 (Automatic shut-off valves for gas burners and gas appliances)</li></ul> |
|  | <b>Optional: DIN EN 549:2023-07 certification</b><br>The wetted valve seals are compliant with DIN EN 549:2023-07 (Rubber materials for seals and diaphragms for gas appliances and gas equipment) for medium temperatures of 0 °C...+ 80 °C.                                                |

4. Materials

4.1. Bürkert resistApp

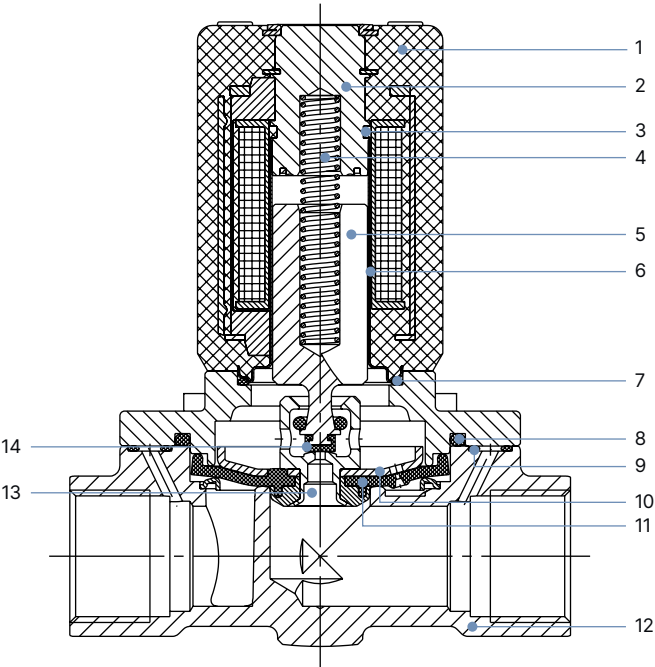


**Bürkert resistApp – Chemical resistance chart**

You want to ensure the reliability and durability of the materials in your individual application case? Verify your combination of media and materials on our website or in our resistApp.

[Start chemical resistance check](#)

4.2. Material specifications



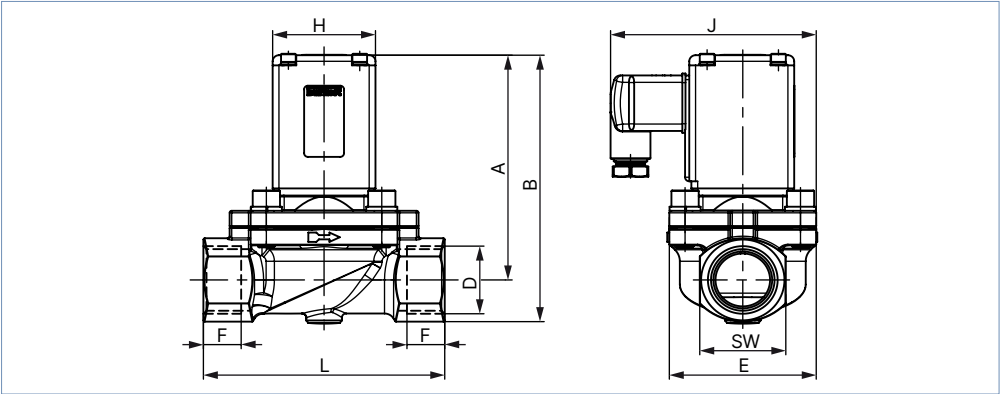
| No. | Element                        | Material                                                 |
|-----|--------------------------------|----------------------------------------------------------|
| 1   | Coil                           | Epoxy                                                    |
| 2   | Stopper                        | Stainless steel 1.4105, 1.4113 or 1.4523 (optional)      |
| 3   | Shading ring (AC variant only) | Brass variant: Copper<br>Stainless steel variant: Silver |
| 4   | Spring                         | Stainless steel 1.4310                                   |
| 5   | Magnetic core                  | Stainless steel 1.4105 or 1.4113                         |
| 6   | Core guide tube                | Stainless steel 1.4303                                   |
| 7   | O-ring                         | NBR, FKM, EPDM                                           |
| 8   | O-ring                         | NBR, FKM, EPDM                                           |
| 9   | O-ring                         | NBR, FKM, EPDM                                           |
| 10  | Diaphragm plate                | Brass variant: CuZn37<br>Stainless steel variant: 1.4401 |
| 11  | Diaphragm                      | NBR, FKM, EPDM                                           |
| 12  | Body                           | Brass or stainless steel 1.4581                          |
| 13  | Pilot valve seat               | Brass variant: MS<br>Stainless steel variant: 1.4401     |
| 14  | Seat seal                      | NBR, FKM, EPDM                                           |

5. Dimensions

5.1. Threaded variant

Note:

- Dimensions in mm
- The dimensions D1 and F1 apply to G-threads.
- The dimensions D2 and F2 apply to NPT-threads.

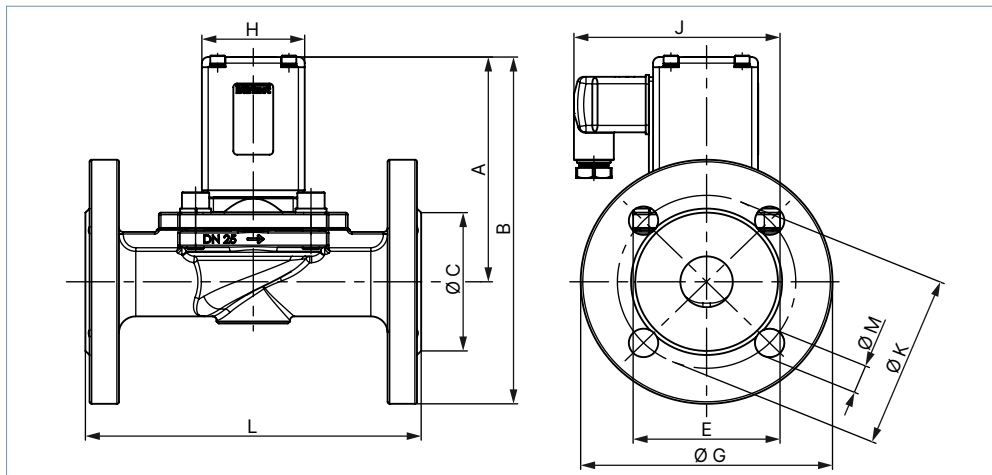


| DN | A     | B     | G    |    | NPT    |      | E   | L    | SW | J   | H  |
|----|-------|-------|------|----|--------|------|-----|------|----|-----|----|
|    |       |       | D1   | F1 | D2     | F2   |     |      |    |     |    |
| 12 | 80    | 94    | G ½  | 14 | NPT ½  | 13.7 | 40  | 74.5 | 27 | 81  | 40 |
| 20 | 106   | 122   | G ¾  | 16 | NPT ¾  | 14   | 60  | 100  | 32 | 93  | 49 |
| 25 | 110.5 | 131   | G 1  | 18 | NPT 1  | 16.8 | 70  | 115  | 41 | 98  | 49 |
| 32 | 120   | 145   | G 1¼ | 20 | NPT 1¼ | 17.3 | 85  | 126  | 50 | 106 | 49 |
| 40 | 124   | 154   | G 1½ | 22 | NPT 1½ | 17.3 | 85  | 126  | 60 | 106 | 49 |
| 50 | 176   | 211   | G 2  | 24 | NPT 2  | 17.6 | 115 | 164  | 70 | 133 | 72 |
| 65 | 176   | 218.5 | G 2½ | 27 | NPT 2½ | 23.6 | 115 | 179  | 85 | 133 | 72 |

## 5.2. Flange variant according to DIN EN 1092 - 1

### Note:

- Dimensions in mm
- Flange variants are available on request.



| DN | A     | B     | C   | E   | Ø G | L   | M  | K   | J   | H  |
|----|-------|-------|-----|-----|-----|-----|----|-----|-----|----|
| 25 | 110.5 | 170.5 | 68  | 70  | 120 | 160 | 14 | 85  | 98  | 49 |
| 32 | 120   | 190   | 78  | 85  | 140 | 180 | 18 | 100 | 106 | 49 |
| 40 | 126   | 201   | 88  | 85  | 150 | 200 | 18 | 110 | 106 | 49 |
| 50 | 176   | 258.5 | 102 | 115 | 165 | 230 | 18 | 125 | 133 | 72 |

## 6. Performance specifications

### 6.1. Power consumption

#### Standard variant

| Orifice | K <sub>v</sub> value<br>water P→A | Port connection<br>A/B and P | Electrical power consumption |                     |           |                     | Weight |
|---------|-----------------------------------|------------------------------|------------------------------|---------------------|-----------|---------------------|--------|
|         |                                   |                              | Inrush                       |                     | Operation |                     |        |
|         |                                   |                              | AC                           | AC/DC <sup>1)</sup> | AC        | AC/DC <sup>1)</sup> |        |
| [mm]    | [m³/h]                            |                              | [VA]                         | [W]                 | [VA/W]    | [W]                 | [kg]   |
| 12      | 1.8                               | G ½                          | 100                          | 80                  | 25/10     | 6                   | 1.0    |
| 20      | 6.5                               | G ¾                          | 120                          | 100                 | 32/16     | 9                   | 1.4    |
| 25      | 10.0                              | G 1                          | 120                          | 100                 | 32/16     | 9                   | 1.8    |
| 32      | 16.0                              | G 1¼                         | 120                          | 100                 | 32/16     | 9                   | 2.7    |
| 40      | 16.0                              | G 1½                         | 120                          | 100                 | 32/16     | 9                   | 3.1    |
| 50      | 38.0                              | G 2                          | –                            | 30 <sup>1)</sup>    | –         | 30                  | 6.5    |

1.) The coil with Kick and Drop electronics is an universal current coil (frequency coding: UC) that is suitable for AC and DC.

2.) With 24 V only DC

#### Gas valve according to DIN EN 161 (variable code PO17)

| Orifice | K <sub>v</sub> value<br>water P→A | Port connection<br>A/B and P | Electrical power consumption |                     |           |                     | Weight |
|---------|-----------------------------------|------------------------------|------------------------------|---------------------|-----------|---------------------|--------|
|         |                                   |                              | Inrush                       |                     | Operation |                     |        |
|         |                                   |                              | AC                           | AC/DC <sup>1)</sup> | AC        | AC/DC <sup>1)</sup> |        |
| [mm]    | [m³/h]                            |                              | [VA]                         | [W]                 | [VA/W]    | [W]                 | [kg]   |
| 12      | 1.8                               | G ½                          | 100 to 120                   | 80                  | 25/10     | 6                   | 1.0    |
| 20      | 6.5                               | G ¾                          |                              | 100                 | 32/16     | 9                   | 1.4    |
| 25      | 10.0                              | G 1                          |                              | 100                 | 32/16     | 9                   | 1.8    |

## 7. Ordering information

### 7.1. Bürkert eShop



#### Bürkert eShop – Easy ordering and quick delivery

You want to find your desired Bürkert product or spare part quickly and order directly? Our online shop is available for you 24/7. Sign up and enjoy all the benefits.

[Order online now](#)

### 7.2. Bürkert product filter



#### Bürkert product filter – Get quickly to the right product

You want to select products comfortably based on your technical requirements? Use the Bürkert product filter and find suitable articles for your application quickly and easily.

[Try out our product filter](#)

### 7.3. Bürkert Product Enquiry Form

#### Bürkert Product Enquiry Form – Your enquiry quickly and compactly

Would you like to make a specific product enquiry based on your technical requirements? Use our Product Enquiry Form for this purpose. There you will find all the relevant information for your Bürkert contact. This will enable us to provide you with the best possible advice.

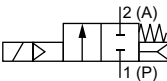
[Fill out the form now](#)

## 7.4. Ordering chart

### Standard variant with brass body

#### Note:

All valves are delivered with a cable plug.

| Circuit<br>function                                                                                                                                                      | Port<br>connection        | Orifice | K <sub>V</sub> value<br>water | Pressure<br>range | Weight | Article no. |                           |                        |                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------|-------------------------------|-------------------|--------|-------------|---------------------------|------------------------|------------------------|
|                                                                                                                                                                          |                           |         | [m³/h]                        | [bar]             | [kg]   | 024/50      | 024 / AC/DC <sup>1)</sup> | 230/50                 | 110/50                 |
|                                                                                                                                                                          |                           |         |                               |                   |        | [V/Hz]      | [V/Hz]                    | [V/Hz]                 | [V/Hz]                 |
| <b>CF A</b><br>2/2-way solenoid<br>valve<br>Servo-controlled<br>Normally closed<br><br> | <b>Seal material NBR</b>  |         |                               |                   |        |             |                           |                        |                        |
|                                                                                                                                                                          | G ½                       | 12      | 1.8                           | 0...16            | 0.7    | 043816 ☞    | 050294 ☞                  | 044373 ☞               | 049500 ☞               |
|                                                                                                                                                                          | G ¾                       | 20      | 6.5                           | 0...16            | 1.4    | 058766 ☞    | 049518 ☞                  | 045292 ☞               | 057127 ☞               |
|                                                                                                                                                                          | G 1                       | 25      | 10.0                          | 0...16            | 1.8    | 048171 ☞    | 053675 ☞                  | 045293 ☞               | 053869 ☞               |
|                                                                                                                                                                          | G 1¼                      | 32      | 16.0                          | 0...12            | 2.6    | 085290 ☞    | 085291 ☞                  | 052513 ☞               | 085292 ☞               |
|                                                                                                                                                                          | G 1½                      | 40      | 16.0                          | 0...12            | 3.0    | 085294 ☞    | 085295 ☞                  | 085297 ☞               | 085296 ☞               |
|                                                                                                                                                                          | G 2                       | 50      | 38.0                          | 0...12            | 6.7    | –           | 085299 ☞ <sup>3)</sup>    | 085301 ☞ <sup>2)</sup> | 085300 ☞ <sup>2)</sup> |
|                                                                                                                                                                          | <b>Seal material FKM</b>  |         |                               |                   |        |             |                           |                        |                        |
|                                                                                                                                                                          | G ½                       | 12      | 1.8                           | 0...16            | 0.7    | 048707 ☞    | 049229 ☞                  | 042886 ☞               | 059240 ☞               |
|                                                                                                                                                                          | G ¾                       | 20      | 6.5                           | 0...16            | 1.4    | 053910 ☞    | 053674 ☞                  | 049745 ☞               | 067973 ☞               |
|                                                                                                                                                                          | G 1                       | 25      | 10.0                          | 0...16            | 1.8    | 066270 ☞    | 066981 ☞                  | 058627 ☞               | 067974 ☞               |
|                                                                                                                                                                          | G 1¼                      | 32      | 16.0                          | 0...12            | 2.6    | 120631 ☞    | 017457 ☞                  | 087203 ☞               | 137478 ☞               |
|                                                                                                                                                                          | G 1½                      | 40      | 16.0                          | 0...12            | 3.0    | 228118 ☞    | 089619 ☞                  | 087663 ☞               | –                      |
|                                                                                                                                                                          | G 2                       | 50      | 38.0                          | 0...12            | 6.7    | –           | 120952 ☞ <sup>3)</sup>    | 088551 ☞ <sup>2)</sup> | –                      |
|                                                                                                                                                                          | <b>Seal material EPDM</b> |         |                               |                   |        |             |                           |                        |                        |
|                                                                                                                                                                          | G ½                       | 12      | 1.8                           | 0...16            | 0.7    | 045931 ☞    | 049050 ☞                  | 044816 ☞               | 049055 ☞               |
|                                                                                                                                                                          | G ¾                       | 20      | 6.5                           | 0...16            | 1.4    | 065033 ☞    | 058427 ☞                  | 045290 ☞               | 069138 ☞               |
|                                                                                                                                                                          | G 1                       | 25      | 10.0                          | 0...16            | 1.8    | 054245 ☞    | 057155 ☞                  | 045291 ☞               | 064887 ☞               |
|                                                                                                                                                                          | G 1¼                      | 32      | 16.0                          | 0...12            | 2.6    | 087204 ☞    | 072962 ☞                  | 085259 ☞               | 076763 ☞               |
|                                                                                                                                                                          | G 1½                      | 40      | 16.0                          | 0...12            | 3.0    | 073290 ☞    | 079629 ☞                  | 087732 ☞               | –                      |
|                                                                                                                                                                          | G 2                       | 50      | 38.0                          | 0...12            | 6.7    | –           | 120104 ☞ <sup>3)</sup>    | 077494 ☞ <sup>2)</sup> | 121308 ☞ <sup>2)</sup> |

– = not available

1.) The coil with Kick and Drop electronics is an universal current coil (frequency coding: UC) that is suitable for AC and DC. Make sure that sufficient power is available (see "6. Performance specifications" on page 7).

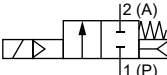
2.) The valve is supplied with a cable plug with integrated rectifier.

3.) DC only

### Standard variant with stainless steel body

#### Note:

All valves are delivered with a cable plug.

| Circuit<br>function                                                                                                                                                        | Port<br>connection        | Orifice | K <sub>v</sub> value<br>water | Pressure<br>range | Weight | Article no. per voltage/frequency                                                            |                                                                                              |                                                                                              |                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------|-------------------------------|-------------------|--------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
|                                                                                                                                                                            |                           |         | [m <sup>3</sup> /h]           | [bar]             | [kg]   | 024/50                                                                                       | 024 / AC/DC <sup>1)</sup>                                                                    | 230/50                                                                                       | 110/50                                                                                       |
|                                                                                                                                                                            |                           |         |                               |                   |        | [V/Hz]                                                                                       | [V/Hz]                                                                                       | [V/Hz]                                                                                       | [V/Hz]                                                                                       |
| <b>CF A</b><br>2/2-way solenoid<br>valve<br>Servo-controlled<br>Normally closed<br><br> | <b>Seal material NBR</b>  |         |                               |                   |        |                                                                                              |                                                                                              |                                                                                              |                                                                                              |
|                                                                                                                                                                            | G ½                       | 12      | 1.8                           | 0...16            | 0.7    | 043659    | 053595  | 043654  | 052358  |
|                                                                                                                                                                            | G ¾                       | 20      | 6.5                           | 0...16            | 1.3    | 068338  | 018754  | 065121  | –                                                                                            |
|                                                                                                                                                                            | G 1                       | 25      | 10.0                          | 0...16            | 1.7    | 068510  | 061974  | 065414  | 067696  |
|                                                                                                                                                                            | <b>Seal material FKM</b>  |         |                               |                   |        |                                                                                              |                                                                                              |                                                                                              |                                                                                              |
|                                                                                                                                                                            | G ½                       | 12      | 1.8                           | 0...16            | 0.7    | 048708  | 049987  | 042888  | 058407  |
|                                                                                                                                                                            | G ¾                       | 20      | 6.5                           | 0...16            | 1.3    | 065362  | 066381  | 064701  | 066594  |
|                                                                                                                                                                            | G 1                       | 25      | 10.0                          | 0...16            | 1.7    | 018121  | 065542  | 066125  | 069477  |
|                                                                                                                                                                            | <b>Seal material EPDM</b> |         |                               |                   |        |                                                                                              |                                                                                              |                                                                                              |                                                                                              |
|                                                                                                                                                                            | G ½                       | 12      | 1.8                           | 0...16            | 0.7    | 045765  | 048606  | 043553  | 049053  |
|                                                                                                                                                                            | G ¾                       | 20      | 6.5                           | 0...16            | 1.3    | 066460  | 059910  | 065025  | 025870  |
|                                                                                                                                                                            | G 1                       | 25      | 10.0                          | 0...16            | 1.7    | 059890  | 018348  | 059901  | 054044  |

– = not available

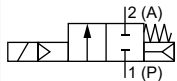
1.) The coil with Kick and Drop electronics is an universal current coil (frequency coding: UC) that is suitable for AC and DC. Make sure that sufficient power is available (see "6. Performance specifications" on page 7).

## Gas valve according to DIN EN 161 (variable code PO17)

**Note:**

All valves are delivered with a cable plug.

| Circuit function                                              | Port connection          | Orifice | K <sub>v</sub> value water | Pressure range | Weight | Article no. per voltage/frequency                                                        |                                                                                          |                                                                                          |
|---------------------------------------------------------------|--------------------------|---------|----------------------------|----------------|--------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
|                                                               |                          |         |                            |                |        | 024 / AC/DC <sup>1)</sup>                                                                | 230/50                                                                                   | 230 / AC/DC <sup>1)</sup>                                                                |
|                                                               |                          |         | [m³/h]                     | [bar]          | [kg]   | [V/Hz]                                                                                   | [V/Hz]                                                                                   | [V/Hz]                                                                                   |
| <b>CF A</b>                                                   | <b>Seal material NBR</b> |         |                            |                |        |                                                                                          |                                                                                          |                                                                                          |
| 2/2-way solenoid valve<br>Servo-controlled<br>Normally closed | G ½                      | 12      | 1.8                        | 0...5          | 0.7    | 280855  | 266512  | 281001  |
|                                                               | G ¾                      | 20      | 6.5                        |                | 1.4    | 280877  | 266513  | 280878  |
|                                                               | G 1                      | 25      | 10.0                       |                | 1.8    | 280879  | 266515  | 280880  |
|                                                               |                          |         |                            |                |        |                                                                                          |                                                                                          |                                                                                          |



1.) The coil with Kick and Drop electronics is an universal current coil (frequency coding: UC) that is suitable for AC and DC. Make sure that sufficient power is available (see "6. Performance specifications" on page 7).

## Further variants on request

**Approval**

Further information can be found in chapter "3. Approvals and conformities" on page 4.

**Voltage**

Further voltages on request

**Process connection**

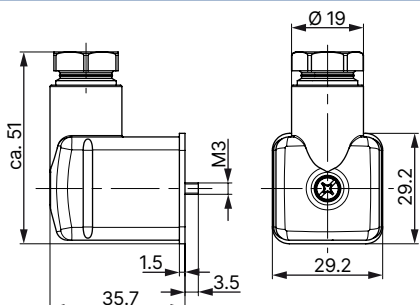
Flange connection according to DIN EN 1092 - 1 (DN 25...DN 50)

## 7.5. Ordering chart accessories

## Cable plug Type 2518, form A according to DIN EN 175301 - 803

**Note:**

- Dimensions in mm
- For further variants see data sheet **Type 2518** ▶

| Cable plug                                                                          | Dimensions                                                                          | Variant                                                                                                | Voltage         | Article no.                                                                                  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------|----------------------------------------------------------------------------------------------|
|  |  | Without circuitry (AC/DC)                                                                              | 0...250 V AC/DC | 314802  |
|                                                                                     |                                                                                     | With LED (AC/DC)                                                                                       | 12...24 V AC/DC | 314812  |
|                                                                                     |                                                                                     | With LED and varistor (AC/DC)                                                                          | 12...24 V AC/DC | 314820  |
|                                                                                     |                                                                                     | With rectifier, LED and varistor                                                                       | 12...24 V AC/DC | 314816  |
|                                                                                     |                                                                                     | Without circuitry (AC/DC) with silicone seal for higher ambient temperature, e.g. steam variant (NA07) | 0...250 V AC/DC | 361687  |

**Timer Type 1087, form A according to DIN EN 175301 - 803**
**Note:**

 Refer to data sheet **Type 1087** ► for more information about the timer.

| Timer                                                                                                 | Approval | Product code           | Voltage range     | Article no.                                                                                |
|-------------------------------------------------------------------------------------------------------|----------|------------------------|-------------------|--------------------------------------------------------------------------------------------|
| Analogue variant<br> | –        | 1087-A-BCH-UC - 28     | 10...30 V AC/DC   | 348828  |
|                                                                                                       | –        | 1087-A-BDK-UC - 28     | 24...240 V AC/DC  | 348829  |
|                                                                                                       | cURus    | 1087-A-BCH-UC- 28*PU01 | 10...30 V AC/DC   | 348906  |
|                                                                                                       | cURus    | 1087-A-BDK-UC- 28*PU01 | 24...240 V AC/DC  | 348907  |
| Digital variant<br>  | –        | 1087-A-BFW-UC - 29     | 10...48 V AC/DC   | 348830  |
|                                                                                                       | –        | 1087-A-BDX-UC - 29     | 110...240 V AC/DC | 348831  |
|                                                                                                       | cURus    | 1087-A-BFW-UC- 29*PU01 | 10...48 V AC/DC   | 348908  |
|                                                                                                       | cURus    | 1087-A-BDX-UC- 29*PU01 | 110...240 V AC/DC | 348909  |