

**Types 3260/5857, 3260/5824, 3260/5825, 3260/3374,  
3260/3274, 3260/3375, 3260/5757-7, 3260/5724-8, 3260/5725-7,  
3260/5725-8 Electric Control Valves**



**Types 3260/2780, 3260/3372, 3260/3271, 3260/3277  
Pneumatic Control Valves**

**Type 3260 Three-way Valve**

**Application**

Control valves available as mixing or diverting valves for use in industrial applications as well as heating, ventilation and air-conditioning systems

**DN 15 to 300 · PN 16 · Version up to 150 °C**



**Special features**

- Type 3260 Three-way Valve (mixing or diverting valve) combined with electric or pneumatic actuators
- Type 3260 Three-way Valve combined with Type 5857 and TROVIS 5757-7 (with special spring)
- Assembling valve and actuator
  - DN 15 to 50: Force-locking connection
  - DN 65 to 300: Form-fit connection
- Type 3260 Three-way Valve in special version for oils (up to DN 125)

**Versions**

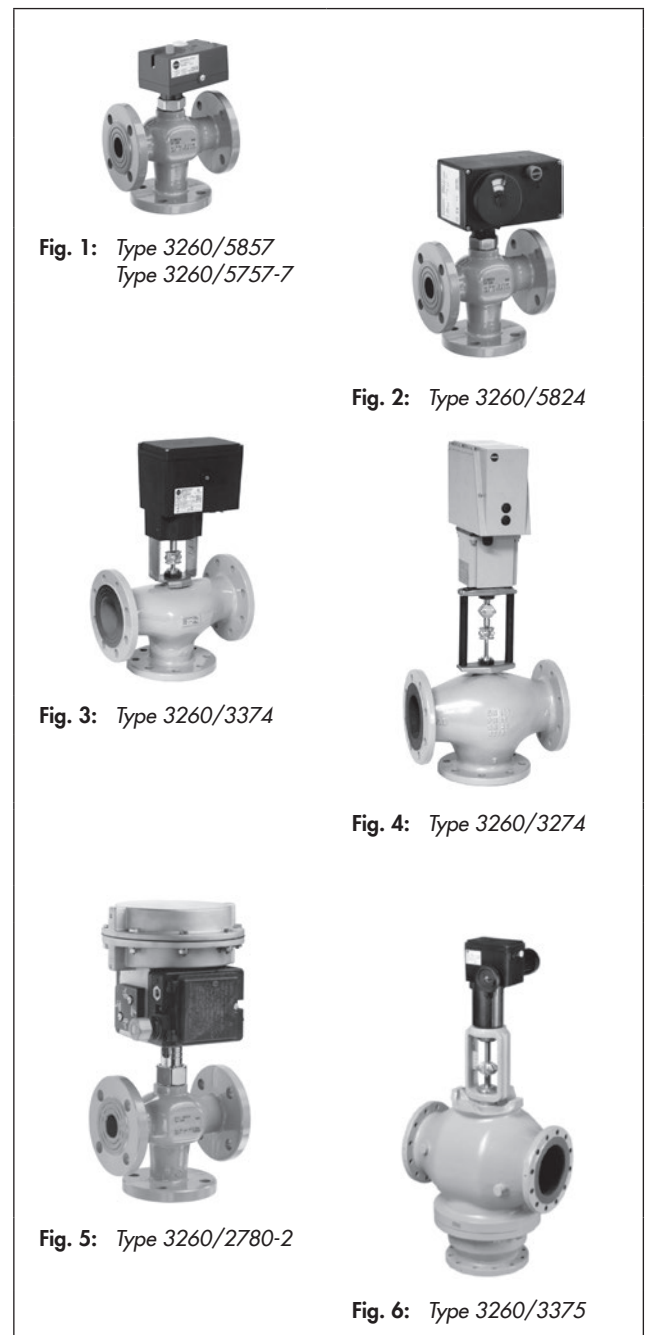
| Electric Control Valves  |       |               |
|--|-------|---------------|
| Type 3260/5857   | PN 16 | DN 15 to 25   |
| Type 3260/5824   | PN 16 | DN 15 to 80   |
| Type 3260/5825 <sup>1)</sup>   | PN 16 | DN 15 to 50   |
| Type 3260/3374   | PN 16 | DN 65 to 150  |
| Type 3260/3274 <sup>1)</sup>   | PN 16 | DN 65 to 150  |
| Type 3260/3375   | PN 16 | DN 200 to 300 |
| Electric control valve with electric actuator with process controller for heating and cooling applications |       |               |
| Type 3260/5757-7   | PN 16 | DN 15 to 25   |
| Type 3260/5724-8   | PN 16 | DN 15 to 50   |
| Type 3260/5725-7 <sup>1)</sup>   | PN 16 | DN 15 to 50   |
| Type 3260/5725-8   | PN 16 | DN 15 to 50   |
| Pneumatic Control Valves   |       |               |
| Type 3260/2780-1   | PN 16 | DN 15 to 50   |
| Type 3260/2780-2 <sup>2)</sup>   | PN 16 | DN 15 to 50   |
| Type 3260/3372   | PN 16 | DN 65 to 150  |
| Type 3260/3271   | PN 16 | DN 65 to 300  |
| Type 3260/3277 <sup>2)</sup>   | PN 16 | DN 65 to 150  |

<sup>1)</sup> Electric actuators with fail-safe action: Type 5825, Types 3274-21/-22, TROVIS 5725-7 and TROVIS 5725-8

<sup>2)</sup> Pneumatic actuator suitable for integrated positioner attachment

**Also available:**

- Type 3260 Globe Valve, refer to Data Sheet ▶ T 5862
- Three-way valve with male thread connection for welding ends or threaded ends or with female thread connection, refer to Data Sheet ▶ T 5863



## Principle of operation (Fig. 7)

The three-way valve is primarily used as a mixing valve. The media to be mixed enter the valve at ports A and B. The combined flow exits the valve at port AB. Diverting valves can also be delivered on request. In this case, the process medium enters at the valve port AB and the partial flows exit at ports A and B.

The cross-sectional area of flow between the seat (2) and plug (3) is determined by the position of the plug stem (6). The plug is moved by changing the control signal applied to the actuator.

The valve (1) and actuator have a force-locking connection up to DN 50 and a form-fit connection for sizes DN 65 and larger.

An intermediate insulating piece is available for insulated pipes.

### Fail-safe action

For three-way valves mounted to an actuator with fail-safe action, the control valve has two different positions which become effective upon power supply failure:

Actuator stem extends

- Port B of the mixing valve closes upon power supply failure
- Port A of the diverting valve closes upon power supply failure

Actuator stem retracts

- Port A of the mixing valve closes upon power supply failure
- Port B of the diverting valve closes upon power supply failure

### Electric actuators

The Types 5857, 5824, 5825, 3374 and 3375 Electric Actuators as well as the Type 3274 Electrohydraulic Actuator can be controlled using a three-step signal. All electric actuators, except for Type 3375, can also be controlled in the version with positioner by 0/4 to 20 mA or 0/2 to 10 V. Various electrical accessories can be optionally installed.

Types 5825, 3274-21 and 3274-22 Actuators are able to perform a fail-safe action. Refer to section Table 4.

Refer to the data sheets for more details on the electric actuators:

- ▶ **T 5857:** Type 5857 Electric Actuator
- ▶ **T 5824:** Types 5824 and 5825 Electric Actuators
- ▶ **T 8331:** Type 3374 Electric Actuator
- ▶ **T 8332:** Type 3375 Electric Actuator
- ▶ **T 8340:** Type 3274 Electrohydraulic Actuator

### Electric actuators with process controllers

Electric actuators with process controllers are a combination of an electric actuator and a digital process controller. The TROVIS 5757-7, TROVIS 5724-8, TROVIS 5725-7 and TROVIS 5725-8 Electric Actuators with Process Controller are suitable for heating and cooling applications.

TROVIS 5724-8 and TROVIS 5725-8 have two PID control modules and are ready-wired. TROVIS 5725-7 and TROVIS 5725-8 Actuators are able to perform a fail-safe action. Refer to section Table 4.

Refer to the data sheets for more details on the electric actuators with process controller:

- ▶ **T 5757-7:** TROVIS 5757-7 Electric Actuator with Process Controller for heating and cooling applications
- ▶ **T 5724-8:** TROVIS 5724-8 Electric Actuator with Process Controller without fail-safe action and TROVIS 5725-8 with fail-safe action for heating and cooling applications
- ▶ **T 5725-7:** TROVIS 5725-7 Electric Actuator with Process Controller for heating and cooling applications

### Pneumatic actuators

The Types 2780, 3271 and 3277 Pneumatic Actuators as well as the Type 3372 Electropneumatic Actuator work with various control signals. Types 2780, 3271 and 3277 Pneumatic Actuators require a supply pressure of at least 0.2 bar above the maximum bench range. A supply pressure of at least 3.7 bar is required for Type 3372. All actuators are available for fail-safe action "actuator stem extends (FA)" or "actuator stem retracts (FE)".

The Types 2780-2 and 3277 Pneumatic Actuators are suitable for integral positioner attachment. Various optional accessories can be mounted onto the Type 3277 Actuator.

Types 3271 and 3277 Actuator are also available with hand-wheel.

Refer to the data sheets for more details on the pneumatic actuators:

- ▶ **T 5840:** Type 2780-1 and Type 2780-2 Pneumatic Actuators
- ▶ **T 8310-X:** Type 3271 and Type 3277 Pneumatic Actuators
- ▶ **T 8313:** Type 3372 Electropneumatic Actuator

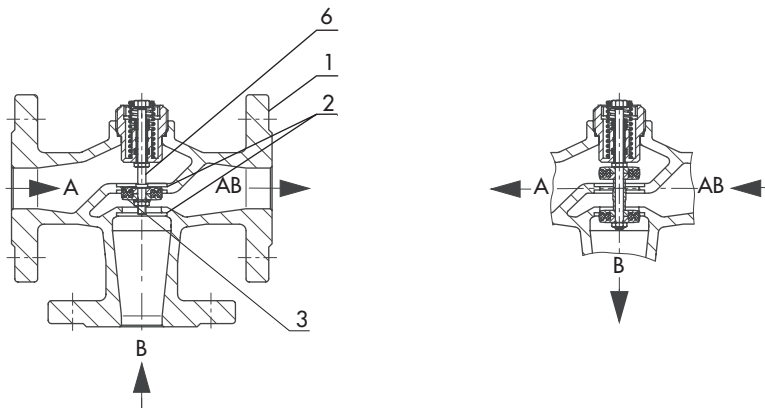
### Installation of the control valve

The control valves can be mounted in any position. However, the electric actuators must not be suspended downwards.

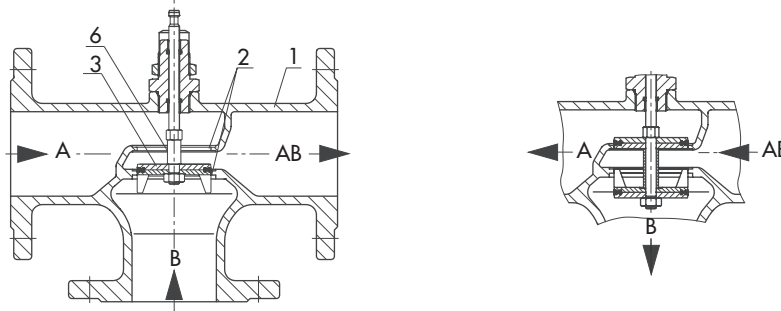
Make sure that the ambient temperature at the point of installation does not exceed or fall below the permissible temperature limits specified for each actuator. Make sure that the inlet and outlet flows of the plant are correctly assigned to ports A, B, and AB. Fig. 8 schematically illustrates a few typical applications.

**Force-locking connection:** If the control valve is to be insulated, the actuator and the coupling nut must not be insulated as well. Make sure the permissible ambient temperature is not exceeded. If necessary, an intermediate insulating piece must be used. Do not insulate it over 25 mm.

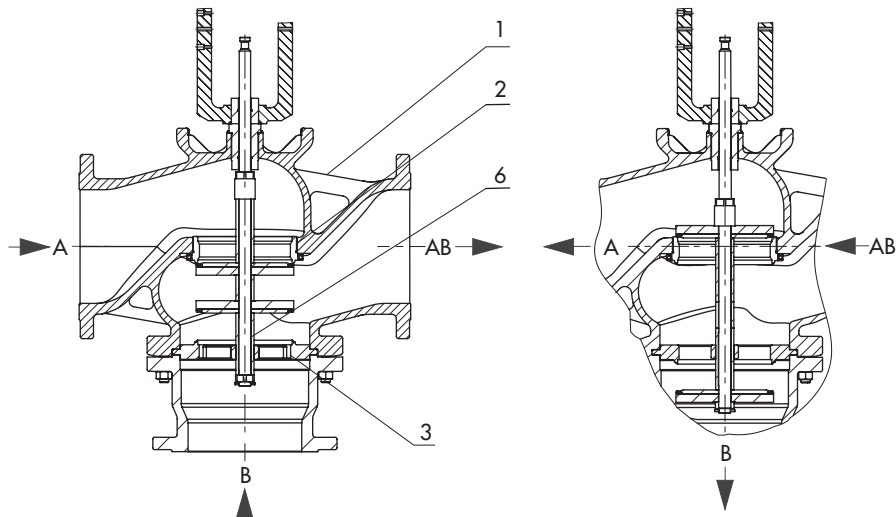
DN 15 to 50



DN 65 to 150



DN 200 to 300



- 1 Valve body
- 2 Seat
- 3 Plug
- 6 Plug stem

Fig. 7: Functional drawing of Type 3260 as a mixing valve (left) and diverting valve (right)

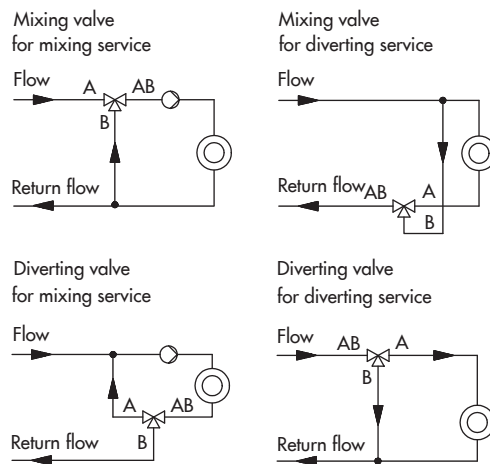


Fig. 8: Typical installations

## Ordering text

Control Valve Type:

- 3260/5857,  3260/5824-...,  3260/5825-...,
- 3260/3374-...,  3260/3375-...,  3260/3274-...,
- 3260/5757-7,  3260/5724-8...,  3260/5725-7...,
- 3260/5725-8...,
- 3260/2780-1,  3260/2780-2,  3260/3372,
- 3260 with Type 3271 Actuator,  3260 with Type 3277

Actuator

- Valve type:  mixing valve,  diverting valve
- Nominal size: DN ...
- Kvs coefficient: ...
- Medium temperature: ...
- Special version for oils:  yes,  no


Further specifications on the electric actuator

- Control:  three-step signal,  positioner
- Power supply ...
- Electric additional equipment ...

Further specifications on the pneumatic actuator

- Actuator area: ...
- Bench range: ...
- Signal pressure connection for Type 2780-1:  G 1/8 ,  
 1/8 NPT
- Fail-safe action:  stem extends (FA),  stem retracts (FE)

**Table 1: Technical data**

| Type 3260 Three-way Valve              |    |   |    |    |    |    |    |    |    |     |     |     |     |     |     |  |
|--|----|---|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|--|
| Nominal size                           | DN | 15  | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |  |
| Nominal pressure                       | PN | 16  |    |    |    |    |    |    |    |     |     |     |     |     |     |  |
| Permissible temperature range          | °C | 5 <sup>1)</sup> to 150 <sup>1)</sup>  |    |    |    |    |    |    |    |     |     |     |     |     |     |  |
| Seat-plug seal                         |    | Soft seal   |    |    |    |    |    |    |    |     |     |     |     |     |     |  |
| Rated travel                           | mm | 6   |    |    | 12 |    |    | 15 |    |     | 30  |     |     | 60  |     |  |
| Mixing valve                           |    | •   |    |    | •  |    |    | •  |    |     | •   |     |     | •   |     |  |
| Diverting valve                        |    | •   |    |    | •  |    |    | •  |    |     | •   |     |     | •   |     |  |
| Leakage class according to IEC 60534-4 |    | Class I ( $\leq 0.01$ % of $K_{VS}$ coefficient)                                    |    |    |    |    |    |    |    |     |     |     |     |     |     |  |
| Compliance                             |    |  |    |    |    |    |    |    |    |     |     |     |     |     |     |  |

- <sup>1)</sup> Use an intermediate insulating piece (1990-1712) for valves in DN 15 to 50 or (1991-4686) for valves in DN 65 to 150:  
 – for medium temperatures between  $-10$  to  $+5$  °C (actuators according to Table 4)  
 – in networks with a constant medium temperature  $>135$  °C (TROVIS 5724-8, TROVIS 5725-7, TROVIS 5725-8, Type 5824, Type 5825 Actuators)  
 – for liquids  $>120$  °C (TROVIS 5757-7 and Type 5857 Actuators)

**Table 2: Materials · Material numbers according to DIN EN**

| Type 3260 Three-way Valve |    |  |    |    |    |    |    |              |    |     |     |     |     |               |     |  |  |
|---------------------------|----|--|----|----|----|----|----|--------------|----|-----|-----|-----|-----|---------------|-----|--|--|
| Nominal size              | DN | 15   | 20 | 25 | 32 | 40 | 50 | 65           | 80 | 100 | 125 | 150 | 200 | 250           | 300 |  |  |
| Valve body                |    | Cast iron EN-GJL-250 (GG-25)                         |    |    |    |    |    |              |    |     |     |     |     |               |     |  |  |
| Seat                      |    | Cast iron EN-GJL-250 (GG-25)                         |    |    |    |    |    |              |    |     |     |     |     | 1.4006/1.0619 |     |  |  |
| Plug                      |    | Brass · CuZn37Pb                                     |    |    |    |    |    |              |    |     |     |     |     | 1.4404        |     |  |  |
| Plug stem                 |    | Stainless steel · 1.4305                             |    |    |    |    |    |              |    |     |     |     |     | 1.4305        |     |  |  |
| Seat-plug seal            |    | EPDM (standard) · FPM (special version up to DN 125) |    |    |    |    |    |              |    |     |     |     |     |               |     |  |  |
| Stem seal                 |    | EPDM seal ring                                       |    |    |    |    |    |              |    |     |     |     |     |               |     |  |  |
| Special version for oils  |    | FPM seal   |    |    |    |    |    |              |    |     |     |     |     | –             |     |  |  |
| Rod-type yoke             |    | –  |    |    |    |    |    | See actuator |    |     |     |     |     | –             |     |  |  |

**Table 3: Nominal sizes,  $K_{VS}$  coefficients and seat diameters**

| Type 3260 Three-way Valve |    |    |     |     |    |     |    |    |    |    |    |    |     |     |                           |     |     |      |
|---------------------------|----|----|-----|-----|----|-----|----|----|----|----|----|----|-----|-----|---------------------------|-----|-----|------|
| Nominal size              | DN | 15 |     |     |    | 20  | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150                       | 200 | 250 | 300  |
| $K_{VS}$ coefficient      |    | 1  | 1.6 | 2.5 | 4  | 6.3 | 10 | 16 | 25 | 40 | 60 | 80 | 160 | 250 | 250/<br>320 <sup>1)</sup> | 630 | 800 | 1200 |
| Seat Ø                    | mm | 16 | 16  | 16  | 16 | 20  | 24 | 32 | 40 | 40 | 70 | 70 | 100 | 130 | 130                       | 207 | 207 | 276  |
| Rated travel              | mm | 6  | 6   | 6   | 6  | 6   | 6  | 12 | 12 | 12 | 15 | 15 | 30  | 30  | 30                        | 60  | 60  | 60   |

- <sup>1)</sup> Direction of flow B  $\leftrightarrow$  AB with maximum  $K_{VS}$  coefficient, direction of flow A  $\leftrightarrow$  AB with reduced  $K_{VS}$  coefficient

**Table 4: Possible combinations**

| Type 3260 Three-way Valve/actuator   |                                 |          |            | Nominal size DN |    |    |    |    |    |    |    |     |     |     |     |     |     |   |
|--|---------------------------------|----------|------------|-----------------|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|---|
| Type/<br>TROVIS  | Fail-safe action: Actuator stem |          | Details in | 15              | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |   |
|  | Extends                         | Retracts |            |                 |    |    |    |    |    |    |    |     |     |     |     |     |     |   |
| <b>Electric actuators</b>  |                                 |          |            |                 |    |    |    |    |    |    |    |     |     |     |     |     |     |   |
| 5857 <sup>1)</sup>   | –                               | –        | ▶ T 5857   | •               | •  | •  |    |    |    |    |    |     |     |     |     |     | –   |   |
| 5824-10 <sup>2)</sup>  | –                               | –        | ▶ T 5824   | •               | •  | •  |    |    |    |    |    |     |     |     |     |     | –   |   |
| 5825-10 <sup>2)</sup>  | •                               | –        |            | •               | •  | •  |    |    |    |    |    |     |     |     |     |     | –   |   |
| 5825-15 <sup>2)</sup>  | –                               | •        |            | •               | •  | •  |    |    |    |    |    |     |     |     |     |     | –   |   |
| 5824-20 <sup>2)</sup>  | –                               | –        |            | –               | –  | –  | •  | •  | •  |    |    |     |     |     |     |     |     | – |
| 5825-20 <sup>2)</sup>  | •                               | –        |            | –               | –  | –  | •  | •  | •  |    |    |     |     |     |     |     |     | – |
| 5825-25 <sup>2)</sup>  | –                               | •        |            | –               | –  | –  | •  | •  | •  |    |    |     |     |     |     |     |     | – |
| 5824-30 <sup>2) 5)</sup>   | –                               | –        |            | –               | –  | –  |    |    |    | •  | •  |     |     |     |     |     |     | – |
| 3374-11  | –                               | –        | ▶ T 8331   |                 |    |    | –  | –  | –  | •  | •  |     |     |     |     |     | –   |   |
| 3374-10  | –                               | –        | ▶ T 8340   |                 |    |    | –  | –  | –  | •  | •  | •   | •   | •   |     |     | –   |   |
| 3274-11 <sup>3)</sup>  | –                               | –        |            | –               | –  | –  |    |    |    | •  | •  | •   | •   | •   |     |     | –   |   |
| 3274-15 <sup>3)</sup>  | –                               | –        |            | –               | –  | –  |    |    |    | •  | •  | •   | •   | •   |     |     | –   |   |
| 3274-21 <sup>3)</sup>  | •                               | –        |            | –               | –  | –  |    |    |    | •  | •  | •   | •   | •   |     |     | –   |   |
| 3274-22 <sup>3)</sup>  | –                               | •        |            | –               | –  | –  |    |    |    | •  | •  | •   | •   | •   |     |     | –   |   |
| 3375-11 <sup>4)</sup>  | –                               | –        | ▶ T 8332   |                 |    |    |    |    | –  |    |    |     |     |     |     | •   | •   | • |
| <b>Electric actuators with process controller for heating and cooling applications</b> |                                 |          |            |                 |    |    |    |    |    |    |    |     |     |     |     |     |     |   |
| 5757-7 <sup>1)</sup>   | –                               | –        | ▶ T 5757-7 | •               | •  | •  |    |    |    |    |    |     |     |     |     |     | –   |   |
| 5724-810   | –                               | –        | ▶ T 5724-8 | •               | •  | •  |    |    |    |    |    |     |     |     |     |     | –   |   |
| 5724-820   | –                               | –        |            | –               | –  | –  | •  | •  | •  |    |    |     |     |     |     |     |     | – |
| 5725-710   | •                               | –        | ▶ T 5725-7 | •               | •  | •  |    |    |    |    |    |     |     |     |     |     | –   |   |
| 5725-715   | –                               | •        |            | •               | •  | •  |    |    |    |    |    |     |     |     |     |     | –   |   |
| 5725-720   | •                               | –        |            | –               | –  | –  | •  | •  | •  |    |    |     |     |     |     |     |     | – |
| 5725-725   | –                               | •        |            | –               | –  | –  | •  | •  | •  |    |    |     |     |     |     |     |     | – |
| 5725-810   | •                               | –        | ▶ T 5724-8 | •               | •  | •  |    |    |    |    |    |     |     |     |     |     | –   |   |
| 5725-820   | •                               | –        |            | –               | –  | –  | •  | •  | •  |    |    |     |     |     |     |     |     | – |
| <b>Pneumatic actuators</b>   |                                 |          |            |                 |    |    |    |    |    |    |    |     |     |     |     |     |     |   |
| 2780-1   | •                               | •        | ▶ T 5840   | •               | •  | •  | •  | •  | •  |    |    |     |     |     |     |     |     | – |
| 2780-2   | •                               | •        |            | •               | •  | •  | •  | •  | •  |    |    |     |     |     |     |     |     | – |
| 3372 <sup>6)</sup>   | •                               | •        | ▶ T 8313   |                 |    |    | –  | –  | –  | •  | •  | •   | •   | •   |     |     | –   |   |
| 3271 <sup>3)</sup>   | •                               | •        | ▶ T 8310-1 |                 |    |    | –  | –  | –  | •  | •  | •   | •   | •   | •   | •   | •   |   |
| 3277 <sup>3)</sup>   | •                               | •        | ▶ T 8310-1 |                 |    |    | –  | –  | –  | •  | •  | •   | •   | •   |     |     | –   |   |

- 1) Type 3260 Three-way Valve combined with this actuator as version with special spring
- 2) Versions with half transit time on request
- 3) Type 3260 Three-way Valve in combination with these actuators with rod-type yoke:  
DN 65 to 80: order no. 1890-8696; for Type 3271 with 240 cm<sup>2</sup> actuator area additionally order no. 0250-1450  
DN 100 to 150: order no. 1400-8822
- 4) DN 200 to 300: these valves do not need an extra rod-type yoke.
- 5) Type 3260 Three-way Valve in combination with this actuator with rod-type yoke, order no. 1400-7414
- 6) DN 65 to 80: with integrated i/p converter or with Type 3725 Positioner (direct attachment)  
DN 100 to 150: with Type 3725 Positioner (direct attachment)

**Table 5:** Permissible differential pressures (all pressures stated in bar)

**Table 5.1:** Type 3260/... Electric Control Valves

| Type/TROVIS |                              | 5857, 5757-7                   | 5824, 5825,<br>5724, 5725 | 3374 |     | 3274            |   | 3375 |     |
|-------------|------------------------------|--------------------------------|---------------------------|------|-----|-----------------|---|------|-----|
|             |                              |                                |                           | -11  | -10 | -11/-15/-21/-22 |   | -11  |     |
| DN          | K <sub>VS</sub> coefficients | Δp when p <sub>2</sub> = 0 bar |                           |      |     |                 |   |      |     |
| 15          | 1 · 1.6 · 2.5 · 4            | 4                              | 4                         | -    |     |                 |   |      |     |
| 20          | 6.3                          | 2.6                            | 4                         | -    |     |                 |   |      |     |
| 25          | 10                           | 1.8                            | 4                         | -    |     |                 |   |      |     |
| 32          | 16                           | -                              | 1.7                       | -    |     |                 |   |      |     |
| 40          | 25                           | -                              | 1.1                       | -    |     |                 |   |      |     |
| 50          | 40                           | -                              | 1.1                       | -    |     |                 |   |      |     |
| 65          | 60                           | -                              | 1.3 <sup>1)</sup>         | 4    | 4   | 4               | - |      |     |
| 80          | 80                           | -                              | 1.3 <sup>1)</sup>         | 4    | 4   | 4               | - |      |     |
| 100         | 160                          | -                              |                           |      | 2.8 | 1.9             | - |      |     |
| 125         | 250                          | -                              |                           |      | 1.7 | 1.1             | - |      |     |
| 150         | 250/320 <sup>2)</sup>        | -                              |                           |      | 1.7 | 1.1             | - |      |     |
| 200         | 630                          | -                              |                           |      |     |                 |   |      | 3.3 |
| 250         | 800                          | -                              |                           |      |     |                 |   |      | 3.3 |
| 300         | 1200                         | -                              |                           |      |     |                 |   |      | 1.8 |

<sup>1)</sup> Only with Type 5824-30 Electric Actuator

<sup>2)</sup> Direction of flow B → AB with maximum K<sub>VS</sub> coefficient, direction of flow A → AB with reduced K<sub>VS</sub> coefficient

**Table 5.2:** Type 3260/... Pneumatic Control Valves

| Type                           |                              | 2780-1                         | 2780-2            | 3372 |     |     |      | 3271 and 3277 |     |     |     |     | 3271 |         |     |
|--------------------------------|------------------------------|--------------------------------|-------------------|------|-----|-----|------|---------------|-----|-----|-----|-----|------|---------|-----|
| Actuator area                  | cm <sup>2</sup>              | 120                            | 120               | 120  | 120 | 350 | 350  | 240           | 240 | 350 | 350 | 700 | 1000 | 1400-60 |     |
| Min. bench range <sup>1)</sup> | bar                          | 0.4                            | 0.4               | 1.4  | 2.1 | 0.8 | 0.9  | 0.4           | 0.6 | 0.4 | 0.6 | 0.4 | 0.8  | 1.0     | 1.1 |
| Max. bench range <sup>1)</sup> | bar                          | 1.0                            | 2.0               | 2.3  | 3.3 | 1.3 | 1.65 | 2.0           | 3.0 | 2.0 | 3.0 | 2.0 | 2.8  | 3.2     | 2.4 |
| Maximum supply pressure        | bar                          | 1.4 <sup>2)</sup>              | 2.4 <sup>2)</sup> | 4    | 5   | 2.3 | 2.5  | 2.5           | 3.7 | 2.5 | 3.7 | 2.4 | 4    | 4       |     |
| DN                             | K <sub>VS</sub> coefficients | Δp when p <sub>2</sub> = 0 bar |                   |      |     |     |      |               |     |     |     |     |      |         |     |
| 15                             | 1 · 1.6 · 2.5 · 4            | 4                              | 4                 | -    |     |     |      |               |     |     |     |     |      |         |     |
| 20                             | 6.3                          | 4                              | 4                 | -    |     |     |      |               |     |     |     |     |      |         |     |
| 25                             | 10                           | 4                              | 4                 | -    |     |     |      |               |     |     |     |     |      |         |     |
| 32                             | 16                           | 1.7                            | 1.7               | -    |     |     |      |               |     |     |     |     |      |         |     |
| 40                             | 25                           | 1.1                            | 1.1               | -    |     |     |      |               |     |     |     |     |      |         |     |
| 50                             | 40                           | 1.1                            | 1.1               | -    |     |     |      |               |     |     |     |     |      |         |     |
| 65                             | 60                           | -                              |                   | 3.8  | 4   | -   | -    | 1.9           | 3.1 | 3   | 4   | -   |      |         |     |
| 80                             | 80                           | -                              |                   | 3.8  | 4   | -   | -    | 1.9           | 3.1 | 3   | 4   | -   |      |         |     |
| 100                            | 160                          | -                              |                   |      | 2.8 | 2.8 | -    |               |     |     |     | 3.1 | -    |         |     |
| 125                            | 250                          | -                              |                   |      | 1.7 | 1.7 | -    |               |     |     |     | 1.8 | -    |         |     |
| 150                            | 250/320 <sup>3)</sup>        | -                              |                   |      | 1.7 | 1.7 | -    |               |     |     |     | 1.8 | -    |         |     |
| 200                            | 630                          | -                              |                   |      |     |     |      |               | 2.2 |     | 3.0 | 4.0 |      |         |     |
| 250                            | 800                          | -                              |                   |      |     |     |      |               | 2.2 |     | 3.0 | 4.0 |      |         |     |
| 300                            | 1200                         | -                              |                   |      |     |     |      |               | 1.2 | 1.7 | 2.2 |     |      |         |     |

<sup>1)</sup> Other bench ranges only on request

<sup>2)</sup> Only with "stem retracts", max. 4 bar with "stem extends"

<sup>3)</sup> Direction of flow B → AB with maximum K<sub>VS</sub> coefficient, direction of flow A → AB with reduced K<sub>VS</sub> coefficient

**Table 6:** Dimensions and weights for electric control valves**Table 6.1:** Type 3260 Three-way Valve · Face-to-face dimensions

| Valve size        | DN | 15  | 20  | 25  | 32  | 40  | 50  | 65  | 80  | 100 | 125 | 150 | 200 | 250 | 300 |
|-------------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Overall length L1 | mm | 130 | 150 | 160 | 180 | 200 | 230 | 290 | 310 | 350 | 400 | 480 | 600 | 730 | 850 |
| Overall length L2 | mm | 70  | 80  | 85  | 100 | 105 | 120 | 130 | 140 | 150 | 200 | 210 | 450 | 450 | 550 |

**Table 6.2:** Type 3260 Three-way Valve · Overall height

| Valve size             | DN                                 | 15 | 20  | 25 | 32 | 40  | 50 | 65 | 80  | 100 | 125 | 150 | 200 | 250 | 300 |     |     |
|------------------------|------------------------------------|----|-----|----|----|-----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Height H1 for actuator | 5857, 5757-7                       | mm | 131 |    |    | -   |    |    |     |     |     |     |     |     |     |     |     |
|                        | 5824, 5825, 5724-8, 5725-7, 5725-8 | mm | 158 |    |    | 168 |    |    | -   |     |     |     |     |     |     |     |     |
|                        | 5824-30                            | mm | -   |    |    | -   |    |    | 274 |     | -   |     |     |     |     |     |     |
|                        | 3374                               | mm | -   |    |    | -   |    |    | 365 |     | 406 |     | -   |     |     |     |     |
| Height H2 for actuator | 3274                               | mm | -   |    |    | -   |    |    | 265 |     | 306 |     | -   |     |     |     |     |
|                        | 3375                               | mm | -   |    |    | -   |    |    | -   |     |     | -   |     | 519 |     | 519 | 556 |

**Table 6.3:** Type 3260 Three-way Valve · Weights

| Valve size      | DN | 15  | 20  | 25  | 32  | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
|-----------------|----|-----|-----|-----|-----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| Weight, approx. | kg | 4.0 | 5.0 | 5.5 | 8.5 | 10 | 12 | 20 | 23 | 38  | 50  | 65  | 266 | 285 | 410 |

**Table 6.4:** Electric actuators · Weights

| Type            |    | 5857 | 5824 | 5825 | 3374 | 3274                               | 3375 |
|-----------------|----|------|------|------|------|------------------------------------|------|
| Weight, approx. | kg | 0.7  | 0.75 | 1.0  | 3.2  | 12 <sup>1)</sup> /15 <sup>2)</sup> | 14.5 |

<sup>1)</sup> Weight for Types 3274-11/-21/-22

<sup>2)</sup> Weight for Type 3274-15

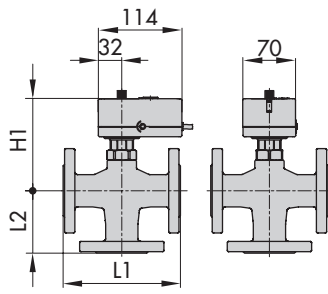
**Table 6.5:** Electric actuators with process controllers · Weights

| TROVIS          |    | 5757-7 | 5724-8 | 5725-7 | 5725-8 |
|-----------------|----|--------|--------|--------|--------|
| Weight, approx. | kg | 0.7    | 1.1    | 1.3    | 1.3    |

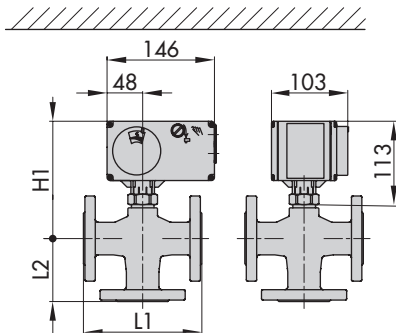


Dimensions in mm

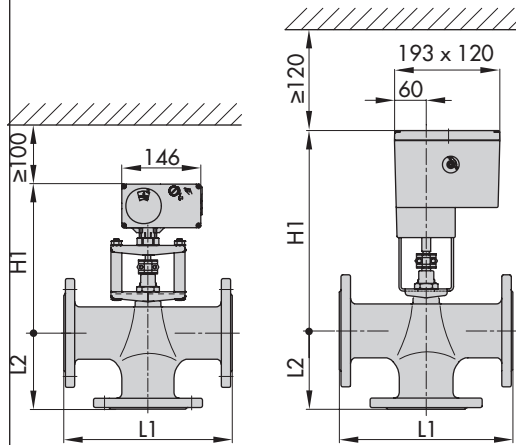
Electric control valves



Type 3260/5857, Type 3260/5757-7  
DN 15 to 25

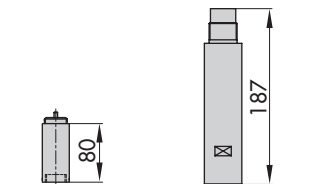


Type 3260/5824, Type 3260/5825,  
Type 3260/5724-8, Type 3260/5725-7,  
Type 3260/5725-8  
DN 15 to 50



Type 3260/5824-30  
DN 65 and 80

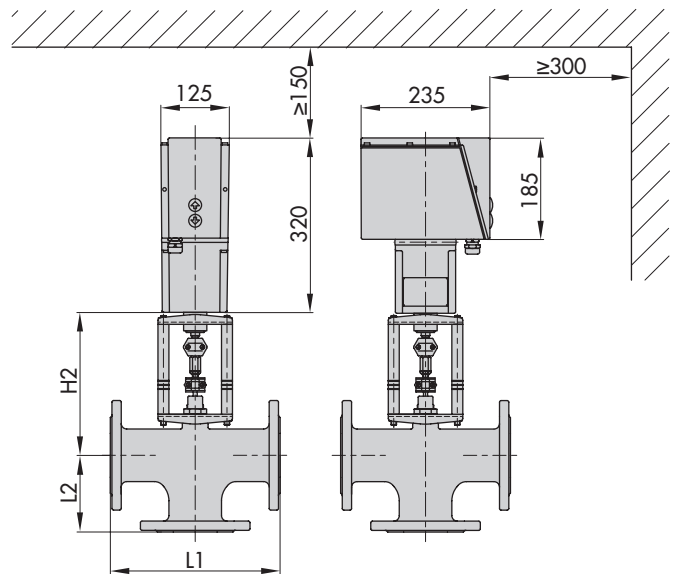
Type 3260/3374  
DN 65 to 150



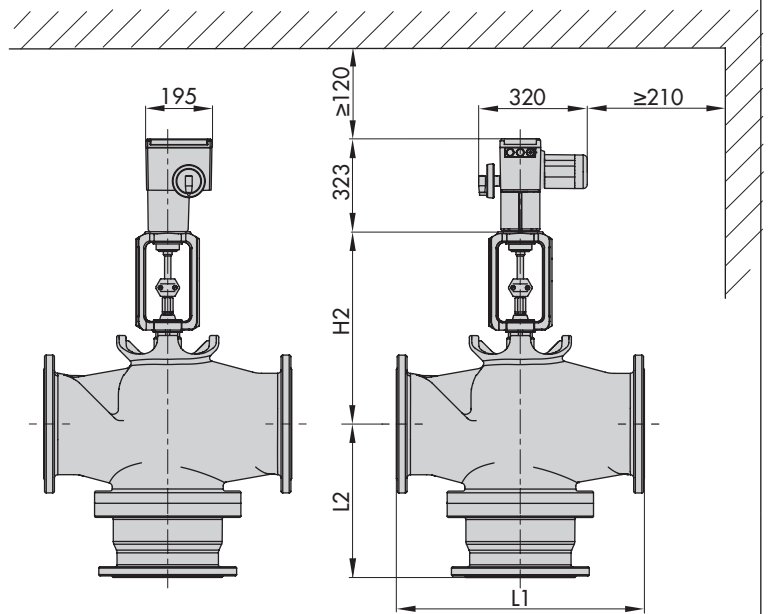
1990-1712  
DN 15 to 50

1991-4686  
DN 65 to 150

Intermediate insulating piece



Type 3260/3274  
DN 65 to 150



Type 3260/3375  
DN 200 to 300

**Table 7:** Dimensions and weights for pneumatic control valves**Table 7.1:** Type 3260 Three-way Valve · Face-to-face dimensions

| Valve size        | DN | 15  | 20  | 25  | 32  | 40  | 50  | 65  | 80  | 100 | 125 | 150 | 200 | 250 | 300 |
|-------------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Overall length L1 | mm | 130 | 150 | 160 | 180 | 200 | 230 | 290 | 310 | 350 | 400 | 480 | 600 | 730 | 850 |
| Overall length L2 | mm | 70  | 80  | 85  | 100 | 105 | 120 | 130 | 140 | 150 | 200 | 210 | 450 | 450 | 550 |

**Table 7.2:** Type 3260 Three-way Valve · Overall height

| Valve size             | DN                          | 15 | 20  | 25 | 32 | 40  | 50 | 65 | 80  | 100 | 125 | 150 | 200 | 250 | 300 |  |
|------------------------|-----------------------------|----|-----|----|----|-----|----|----|-----|-----|-----|-----|-----|-----|-----|--|
| Height H1 for actuator | 2780-1                      | mm | 161 |    |    | 171 |    |    | -   |     |     |     |     |     |     |  |
|                        | 2780-2                      | mm | 261 |    |    | 271 |    |    | -   |     |     |     |     |     |     |  |
|                        | 3372 (120 cm <sup>2</sup> ) | mm | -   |    |    | -   |    |    | 307 |     | -   |     |     |     |     |  |
|                        | 3372 (350 cm <sup>2</sup> ) | mm | -   |    |    | -   |    |    | -   |     | 382 |     |     | -   |     |  |
| Height H2 for actuator | 3271                        | mm | -   |    |    | -   |    |    | 265 |     | 306 |     | 519 | 565 | 556 |  |
|                        | 3277                        | mm | -   |    |    | -   |    |    | 265 |     | 306 |     | -   |     |     |  |

**Table 7.3:** Type 3260 Three-way Valve · Weights

| Valve size      | DN | 15  | 20  | 25  | 32  | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
|-----------------|----|-----|-----|-----|-----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| Weight, approx. | kg | 4.0 | 5.0 | 5.5 | 8.5 | 10 | 12 | 20 | 23 | 38  | 50  | 65  | 266 | 285 | 410 |

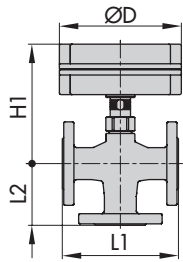
**Table 7.4:** Pneumatic actuators · Dimensions and weights

| Type            | 2780            | 3372  |       | 3271  |       |       |                  |                  | 3277              |       |       |                  |
|-----------------|-----------------|-------|-------|-------|-------|-------|------------------|------------------|-------------------|-------|-------|------------------|
| Actuator area   | cm <sup>2</sup> | 120   | 120   | 350   | 240   | 350   | 700              | 1000             | 1400-60           | 240   | 350   | 700              |
| Height H        | mm              | -     | -     | -     | 62    | 82    | 134              | 313              | 197 <sup>1)</sup> | 65    | 82    | 135              |
| Height H7       | mm              | -     | -     | -     | -     | -     | 65 <sup>2)</sup> | 90 <sup>2)</sup> | 90 <sup>2)</sup>  | -     | -     | 65 <sup>2)</sup> |
| Diaphragm ØD    | mm              | 168   | 168   | 280   | 240   | 280   | 390              | 462              | 530               | 240   | 280   | 390              |
| Supply air port | a               | G 1/8 | G 3/8 | G 1/4 | G 1/4 | G 3/8 | G 3/8            | G 3/4            | G 3/4             | G 1/4 | G 3/8 | G 3/8            |
| Weight          | kg (approx.)    | 2     | 3.7   | 15    | 5     | 8     | 22               | 80               | 70                | 9     | 12    | 26               |

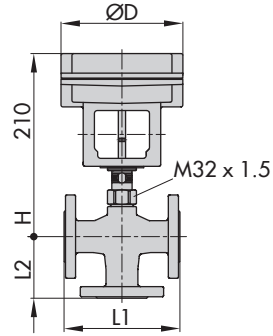
<sup>1)</sup> Height H increases to 243 mm for special version with female thread.

<sup>2)</sup> Height with welded-on lifting eyelet or height of eyebolt according to DIN 580. Further information on lifting eyelets can be found in Data Sheets ► T 8310-1, ► T 8310-2, and ► T 8310-3

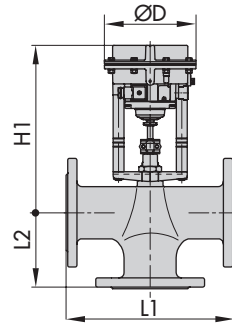
Pneumatic control valves



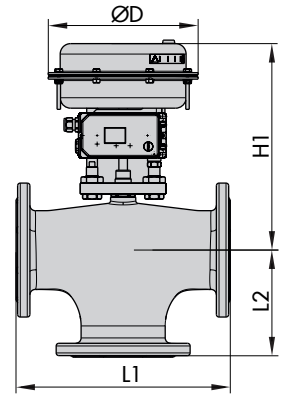
Type 3260/2780-1  
DN 15 to 50



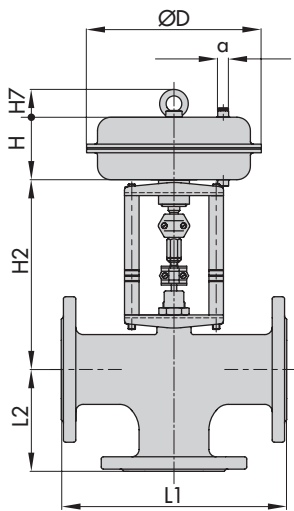
Type 3260/2780-2  
DN 15 to 50



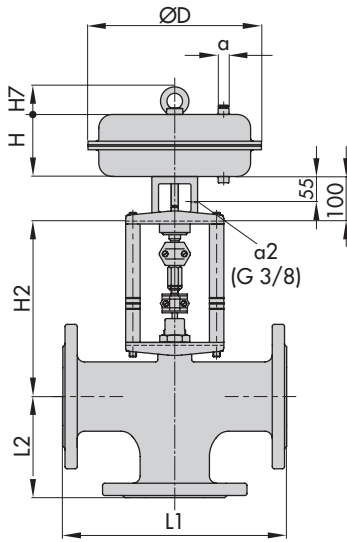
Type 3260/3372 (120 cm<sup>2</sup>)  
DN 65, 80



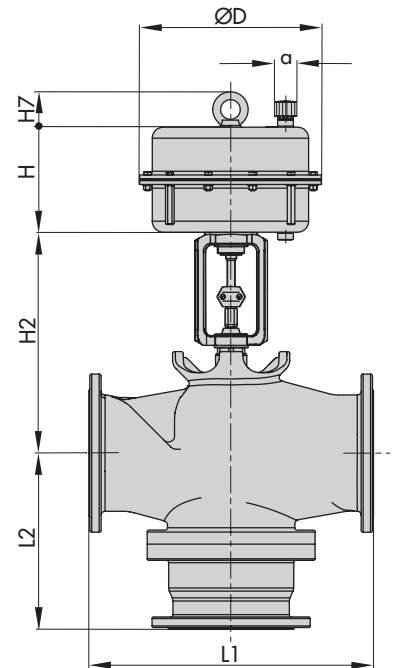
Type 3260/3372 (350 cm<sup>2</sup>)  
DN 100 to 150



Type 3260/3271  
DN 65 to 150



Type 3260/3277  
DN 65 to 150



Type 3260/3271  
DN 200 to 300

Specifications subject to change without notice



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