# DATA SHEET

**T 5868 EN**

# Types 3213/5857, 3213/5827, 3213/5757-3, 3213/5757-7, 3213/5724-3, 3213/5724-8 and 3214/5827, 3214/3374, 3214/5724-3, 3214/5724-8 Electric Control Valves
# Types 3213/2780 and 3214/2780 Pneumatic Control Valves
# Single-seated globe valve:
# Type 3213 without pressure balancing · Type 3214 with pressure balancing

CE

## Application

Globe valves for heating, ventilation and air-conditioning systems

**DN 15 to 250 · PN 16 to 40 · Temperatures up to 220 °C**



**Fig. 1:** *Type 3214/5827*



**Fig. 2:** *Type 3213/5827*



**Fig. 3:** *Type 3214/3374*

## Special features

- Single-seated Type 3213 Globe Valve without pressure balancing or Type 3214 Globe Valve balanced by a corrosion-resistant metal bellows
- Type 3213 available in version for steam
- Type 3214 in DN 65 and larger available with flow divider
- Connection between valve and actuator: force-locking connection up to DN 50, form-fit connection for DN 65 to 250

## Versions

– With **Type 3213 Globe Valve** without pressure balancing

| | | |
|---|---|---|
| **Electric control valves** | | |
| Type 3213/5857 | PN 25 | DN 15 to 25 |
| Type 3213/5827 | PN 25 | DN 15 to 25 |
| | PN 16 | DN 32 to 50 |
| **Electric control valves with electric actuator with process controller for domestic hot water heating** | | |
| Type 3213/5757-3 | PN 25 | DN 15 to 25 |
| Type 3213/5724-3 | PN 25 | DN 15 to 25 |
| | PN 16 | DN 32 to 50 |
| **Electric control valves with electric actuator with process controller for heating and cooling applications** | | |
| Type 3213/5757-7 | PN 25 | DN 15 to 25 |
| Type 3213/5724-8 | PN 25 | DN 15 to 25 |
| | PN 16 | DN 32 to 50 |
| **Pneumatic control valves** | | |
| Type 3213/2780-1 | PN 25 | DN 15 to 25 |
| | PN 16 | DN 32 to 50 |
| Type 3213/2780-2[1)] | PN 25 | DN 15 to 25 |
| | PN 16 | DN 32 to 50 |

1) Pneumatic actuator suitable for integral positioner attachment

– With **Type 3214 Globe Valve** with pressure balancing

| | | |
|---|---|---|
| **Electric control valves** | | |
| Type 3214/5827 | PN 16 to 40 | DN 15 to 50 |
| Type 3214/3374 | PN 16 to 40 | DN 65 to 250 |
| **Electric control valves with electric actuator with process controller for domestic hot water heating** | | |
| Type 3214/5724-3 | PN 16 to 40 | DN 15 to 50 |

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| Electric control valves with electric actuator with process controller for heating and cooling applications | | |
|---|---|---|
| Type 3214/5724-8 | PN 16 to 40 | DN 15 to 50 |
| **Pneumatic control valves** | | |
| Type 3214/2780-2[1)] | PN 16 to 40 | DN 65 to 100 |

[1)] Pneumatic actuator suitable for integral positioner attachment

### Electric control valves tested according to DIN EN 14597:

Type 3213 and Type 3214 Globe Valves with electric actuator and fail-safe action (see Data Sheet ▶ T 5869

### Principle of operation

The medium flows through the single-seated globe valve in the direction indicated by the arrow. The cross-sectional area of flow between the seat (2) and plug (3) is determined by the position of the plug stem.

The Type 3214 Valve is pressure-balanced. The pressure upstream of the plug is transferred through a hole in the plug stem (6) and acts on the outside of the balancing bellows, whereas the pressure downstream of the plug acts on the inside of the bellows. As a result, the forces created by the differential pressure that act on the plug are eliminated. The plug is moved by changing the control signal applied to the actuator.

The valve and actuator have a force-locking connection for valve sizes up to DN 50 and a form-fit connection for valve sizes DN 65 and larger. An intermediate insulating piece is available for insulated pipes.

### Electric actuators

The Types 5857, 5827 and 3374 Electric Actuators can be controlled by three-step signals or, in the version with positioner, with signals from 0/4 to 20 mA or 0/2 to 10 V. Various electrical accessories can be optionally installed.

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

- ▶ T 5857: Type 5857 Electric Actuator
- ▶ T 5827: Type 5827 Electric Actuator
- ▶ T 8331: Type 3374 Electric Actuator

### Electric actuators with process controllers

The electric actuator with process controller consists of a linear actuator with an integrated digital controller. The TROVIS 5757-3 and TROVIS 5724-3 Electric Actuators with Process Controller are suitable for DHW applications. TROVIS 5757-7 is suitable for heating and cooling applications. TROVIS 5724-8 has two PID control modules and is ready-wired for heating and cooling applications.

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

- ▶ T 5757: TROVIS 5757-3 Electric Actuator with Process Controller for domestic hot water heating
- ▶ T 5757-7: TROVIS 5757-7 Electric Actuator with Process Controller for heating and cooling applications
- ▶ T 5724: TROVIS 5724-3 Electric Actuator with Process Controller for domestic hot water heating
- ▶ T 5724-8: TROVIS 5724-8 Electric Actuator with Process Controller for heating and cooling applications

### Pneumatic actuators

The Type 2780-1 Pneumatic Actuator uses a control signal from 0.4 to 1 bar and Type 2780-2 uses a control signal from 0.4 to 2 bar which is applied to the signal pressure connection. The pneumatic actuators require a supply pressure of at least 0.2 bar above the maximum bench range. The actuators are available for fail-safe action “actuator stem extends (FA)” or “actuator stem retracts (FE)”.

The Type 2780-2 Pneumatic Actuator is suitable for integral positioner attachment.

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

- ▶ T 5840: Type 2780-1 and Type 2780-2 Pneumatic Actuators

### Installation

Install the control valve with the actuator in the upright position. Other mounting positions on request.

**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.

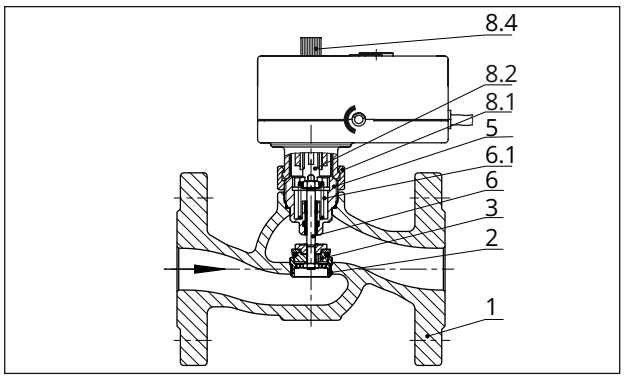



**Fig. 4:** *Type 3213/5857 · Type 3213/5757-3 · Type 3213/5757-7*

| | | | |
|---|---|---|---|
| 1 | Valve body | 6.1 | Spring |
| 2 | Seat | 8.1 | Coupling nut |
| 3 | Plug | 8.2 | Actuator stem |
| 5 | Adapter | 8.4 | Handwheel |
| 6 | Plug stem | | |

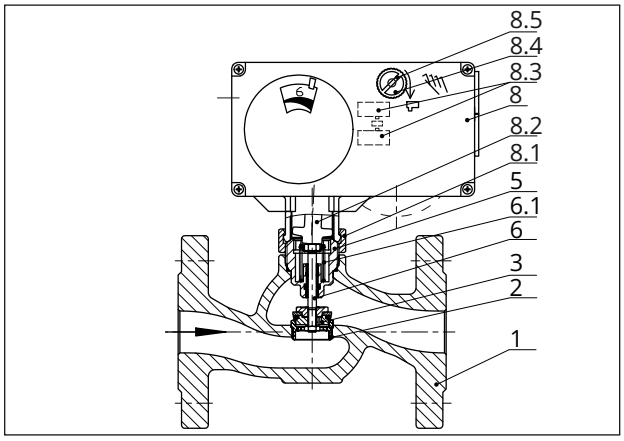



**Fig. 5:** *Type 3213/5724-3 · Type 3213/5724-8*

| | | | |
|---|---|---|---|
| 1 | Valve body | 8 | Actuator |
| 2 | Seat | 8.1 | Coupling nut |
| 3 | Plug | 8.2 | Actuator stem |
| 5 | Adapter | 8.3 | Torque switch |
| 6 | Plug stem | 8.4 | Handwheel |
| 6.1 | Spring | 8.5 | Actuating shaft |

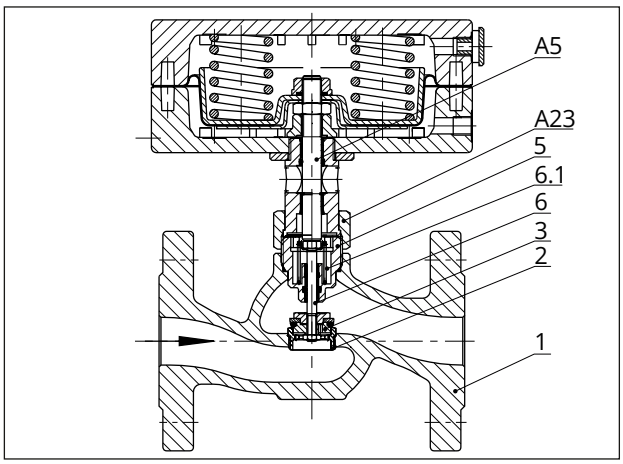



**Fig. 6:** *Type 3213/2780-1*

| | | | |
|---|---|---|---|
| 1 | Valve body | 6 | Plug stem |
| 2 | Seat | 6.1 | Spring |
| 3 | Plug | A5 | Actuator stem |
| 5 | Adapter | A23 | Coupling nut |

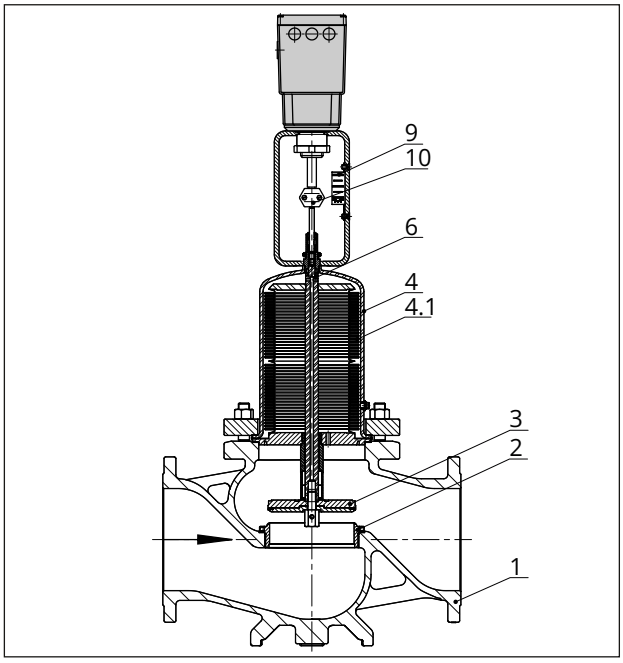



**Fig. 7:** *Type 3214/3374-15*

| | | | |
|---|---|---|---|
| 1 | Valve body | 4.1 | Balancing bellows |
| 2 | Seat | 6 | Plug stem |
| 3 | Plug | 9 | Travel indicator scale |
| 4 | Bellows housing | 10 | Stem connector |

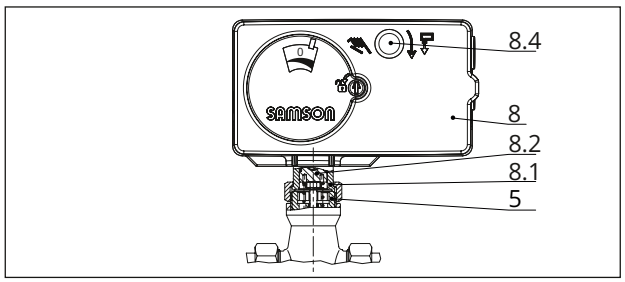



**Fig. 8:** *Type 5827 Actuator*

5 Adapter
8 Actuator
8.1 Coupling nut
8.2 Actuator stem
8.4 Handwheel

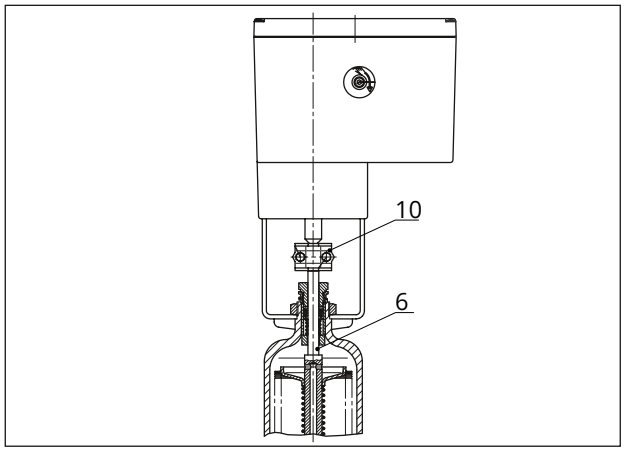



**Fig. 9:** *Type 3374-11/-21 Actuator*

6 Plug stem
10 Stem connector

**Associated Mounting and Operating Instructions** ▶ EB 5868/5869

### Ordering text

Type .... Control Valve without pressure balancing:

❑ 3213/5857, ❑ 3213/5757-3, ❑ 3213/5827, ❑ 3213/5757-7, ❑ 3213/5724-3, ❑ 3213/5724-8, ❑ 3213/2780-1, ❑ 3213/2780-2

Version for steam: ❑ yes, ❑ no

Type .... Control Valve with pressure balancing:

❑ 3214/5827, ❑ 3214/3374, ❑ 3214/5724-3, ❑ 3214/5724-8, ❑ 3214/2780-2

Version up to 220 °C: ❑ yes, ❑ no

- Nominal size: DN ...
- Pressure rating PN ...
- $K_{VS}$ coefficient: ...
- Max. differential pressure Δp: ...
- Max. temperature: ...
- Body material: ...

Further specifications on the electric actuator

- Control: ❑ three-step signal, ❑ positioner
- Supply voltage: ...
- Electric additional equipment: ...

Further specifications on the pneumatic actuator

- Signal pressure connection for Type 2780-1: ❑ G ⅛, ❑ ⅛ NPT
- Fail-safe action: ❑ stem extends (FA), ❑ stem retracts (FE)

### Flow rate calculation

Terms for control valve sizing according to DIN IEC 60534-2-1 and DIN IEC 60534-2-2: $F_L$ = 0.95, $x_T$ = 0.75

### Selection and sizing of the control valve

1. Calculate $K_{VS}$ coefficient according to DIN EN 60534.
2. Select nominal size DN and $K_{VS}$ coefficient from Table 3.
3. Check the permissible differential pressure from Table 3.
4. Check the permissible temperature and select the valve version from Table 1.
5. Select the suitable actuator from Table 3 and from the technical data of the actuator.
6. Select materials, pressure and temperature from Table 1 to Table 3, from the technical data of the actuator and from the pressure-temperature diagram (Fig. 10).

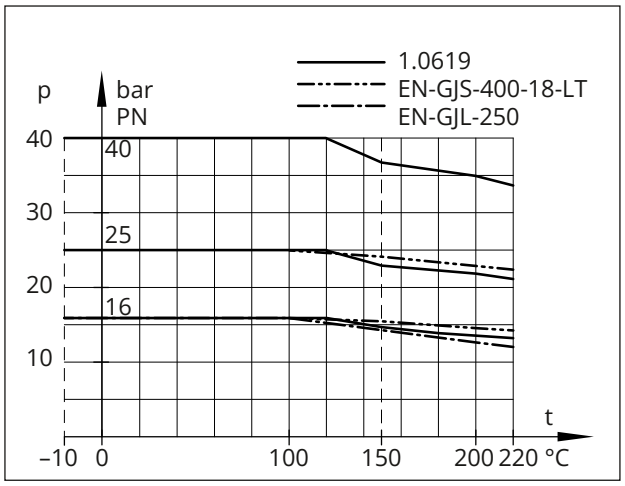



**Fig. 10:** *Pressure-temperature diagram*

**Table 1:** *Technical data*

| **Type 3213 Globe Valve** | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Nominal size** | **DN** | **15** | **20** | **25** | **32** | **40** | **50** | **65** | **80** | **100** | **125** | **150** | **200** | **250** |
| Pressure rating | PN | 25 | | | 16 | | | – | | | | | | |
| Max. permissible temperature (upright position) | °C | 150[1] | | | 150[1] | | | | | | | | | |
| Version for steam | °C | 200 | | | On request | | | | | | | | | |
| Rated travel | mm | 6 | | | 12 | | | | | | | | | |
| Rangeability | 50:1 | | | | | | | | | | | | | |
| Leakage class acc. to DIN EN 60534-4 | Class I (≤0.05 % of $K_{VS}$) | | | | | | | | | | | | | |
| Conformity[2] | CE | | | | | | | | | | | | | |
| **Type 3214 Globe Valve balanced by a bellows** | | | | | | | | | | | | | | |
| **Nominal size** | **DN** | **15** | **20** | **25** | **32** | **40** | **50** | **65** | **80** | **100** | **125** | **150** | **200** | **250** |
| Pressure rating | PN | 16 to 40 | | | | | | | | | | | | |
| Max. permissible temperature (upright position) | °C | 150[3] | | | | | | 220 | | | 150[4] | | | |
| Version up to 220 °C | °C | 220 | | | | | | – | | | | | | |
| Rated travel | mm | 6 | | | 12 | | | 15 | | | 30 | | | |
| Rangeability | 50:1 | | | | | | | 40:1 | | | 30:1 | | | |
| Leakage class acc. to DIN EN 60534-4 | Class I (≤0.05 % of $K_{VS}$) | | | | | | | | | | Class I (≤0.01 % of $K_{VS}$) | | | |
| Conformity | CE | | | | | | | | | | | | | |

1) Use an intermediate insulating piece (1990-1712).
   - For medium temperatures between -10 and +5 °C (actuators according to Table 4 and Table 5)
   - In networks with a constant medium temperature >135 °C (TROVIS 5724-3,TROVIS 5724-8, Type 5827 Actuators)
   - For liquids >120 °C (TROVIS 5757-3, TROVIS 5757-7 and Type 5857 Actuators)

2) Field of applications are the control of Group II fluids according to Pressure Equipment Directive 2014/68/EU. Footnote 1) on the permissible temperature range and the corresponding details applies.

3) Use an intermediate insulating piece (1990-1712).
   - For medium temperatures between -10 and +5 °C (TROVIS 5724-3/5724-8 and Type 5827 Actuators)
   - In networks with a constant medium temperature >135 °C (TROVIS 5724-3, Type 5827 Actuators)

4) Special version with plug with metal seal or PTFE soft seal: 220 °C

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

| **Type 3213 Globe Valve** | | | |
|---|---|---|---|
| **Pressure rating** | **PN 16** | **PN 25** | **PN 40** |
| Valve body | EN-GJL-250 (GG-25) | EN-GJS-400-18-LT (GGG-40.3) | – |
| Seat | 1.4305 | | – |
| Plug | 1.4305 with metal seal | Brass with EPDM soft seal or FKM seal | – |
| Special version | – | $K_{VS}$ = 0.1 to 2.5: 1.4305 with metal seal | – |
| Plug stem | 1.4305 | | – |
| Spring | 1.4310 | | – |
| Guide nipple | Brass with EPDM seal or FKM seal | | – |
| Insulating section with version for steam | 1.4571 | | – |
| **Type 3214 Globe Valve balanced by a bellows** | | | |
| **Pressure rating** | **PN 16** | **PN 25** | **PN 40** |
| Valve body | EN-GJL-250 (GG-25) | EN-GJS-400-18-LT (GGG-40.3) or 1.0619 (GS-C 25) | 1.0619 (GS-C 25) |
| Special version | EN-GJS-400-18-LT or 1.0619 | – | – |
| Seat and plug | | | |
| DN 15 to 100 | CrNi steel · Special version with EPDM soft seal | | |
| DN 125 to 250 | CrNiMo steel with EPDM soft seal · Special version with metal seal | | |
| Plug stem | 1.4301 | | |
| Spring | – | | |
| Bellows housing | 1.0425 | | |
| Balancing bellows | 1.4571 | | |
| Guide nipple (DN 15 to 50) | Brass with EPDM seal | | |
| Packing (DN 65 to 250) | PTFE with carbon V-ring packing | | |
| Insulating section for version up to 220 °C | 1.4305 with EPDM seal | | |

**Table 3:** *Nominal sizes, $K_{VS}$ coefficients and maximum differential pressures*

| **Type 3213 Globe Valve** | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Nominal size** | **DN** | **15** | **20** | **25** | **32** | **40** | **50** | **65** | **80** | **100** | **125** | **150** | **200** | **250** |
| Rated travel | mm | 6 | 6 | 6 | 12 | 12 | 12 | – | | | | | | |
| $K_{VS}$ coefficients | | 4 | 6.3 | 8 | 16 | 20 | 32 | | | | | | | |
| Max. differential pressure | bar | 10[1] | 10[1] | 10[1] | 2.9 | 2.9 | 1.6 | | | | | | | |
| **Special version** | | | | | | | | | | | | | | |
| $K_{VS}$ coefficients | | 0.1 · 0.16 · 0.25 · 0.4 · 0.63 · 1.0 · 1.6 · 2.5 | 2.5 | – | – | – | 40 | | | | | | | |
| Max. differential pressure | bar | 20 | 10[1] | 10[1] | – | – | – | 1 | | | | | | |
| **Type 3214 Globe Valve** | | | | | | | | | | | | | | |
| **Nominal size** | **DN** | **15** | **20** | **25** | **32** | **40** | **50** | **65** | **80** | **100** | **125** | **150** | **200** | **250** |
| Rated travel | mm | 6 | 6 | 6 | 12 | 12 | 12 | 15 | 15 | 15 | 30 | 30 | 30 | 30 |
| $K_{VS}$ coefficients | | 4 | 6.3 | 8 | 16 | 20 | 32 | 50 | 80 | 125 | 200 | 320 | 500 | 600 |
| Flow divider | | – | – | – | – | – | – | 38 | 60 | 95 | 150 | 210 | 315 | 375 |
| Reduced $K_{VS}$ coefficient | | 2.5 | 2.5 | 2.5 | 8 | 8 · 16 | 8 · 16 | – | – | – | – | – | – | – |
| Max. differential pressure | bar | 25 | 25 | 25 | 25 | 25 | 25 | 20[2] | 20[2] | 16 | 16 | 12 | 10 | 10 |

[1] Maximum differential pressure for Type 5857, TROVIS 5757-3 and TROVIS 5757-7: 5 bar

[2] With Type 2780-2 Actuator: Δp = 16 bar

**Table 4:** *Possible combinations with Type 3213*

| Type 3213 Globe Valve/actuator | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Type/ TROVIS** | **Refer to data sheet for details** | **Nominal size DN** | | | | | | | | | | | | |
| | | **15** | **20** | **25** | **32** | **40** | **50** | **65** | **80** | **100** | **125** | **150** | **200** | **250** |
| **Electric actuators** | | | | | | | | | | | | | | |
| 5857 | ▶ T 5857 | • | • | • | – | – | – | | | | | | | |
| 5827-N1 | ▶ T 5827 | • | • | • | – | – | – | | | | | | | |
| 5827-N2 | ▶ T 5827 | – | – | – | • | • | • | | | | | | | |
| **Electric actuators with process controllers for domestic hot water heating** | | | | | | | | | | | | | | |
| 5757-3 | ▶ T 5757 | • | • | • | – | – | – | | | | | | | |
| 5724-310 | ▶ T 5724 | • | • | • | – | – | – | | | | | | | |
| 5724-313[1] | ▶ T 5724 | • | • | • | – | – | – | | | | | | | |
| 5724-320 | ▶ T 5724 | – | – | – | • | • | • | | | | – | | | |
| 5724-323[1] | ▶ T 5724 | – | – | – | • | • | • | | | | | | | |
| **Electric actuators with process controller for heating and cooling applications** | | | | | | | | | | | | | | |
| 5757-7 | ▶ T 5757-7 | • | • | • | – | – | – | | | | | | | |
| 5724-810 | ▶ T 5724-8 | • | • | • | – | – | – | | | | | | | |
| 5724-820 | ▶ T 5724-8 | – | – | – | • | • | • | | | | | | | |
| **Pneumatic actuators** | | | | | | | | | | | | | | |
| 2780-1 | ▶ T 5840 | • | • | • | • | • | • | | | | | | | |
| 2780-2 | ▶ T 5840 | • | • | • | • | • | • | | | | | | | |

[1] Version with half transit time

[2] Type 3214 Valves in combination with this actuator with rod-type yoke: order no. 1400-7414

**Table 5:** *Possible combinations with Type 3214*

| Type 3214 Globe Valve/actuator | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Type/ TROVIS** | **Refer to data sheet for details** | **Nominal size DN** | | | | | | | | | | | | |
| | | **15** | **20** | **25** | **32** | **40** | **50** | **65** | **80** | **100** | **125** | **150** | **200** | **250** |
| **Electric actuators** | | | | | | | | | | | | | | |
| 5827-N1 | ▶ T 5827 | • | • | • | – | – | – | – | – | – | – | – | – | – |
| 5827-N2 | ▶ T 5827 | – | – | – | • | • | • | – | – | – | – | – | – | – |
| 3374-11 | ▶ T 8331 | – | – | – | – | – | – | • | • | • | – | – | – | – |
| 3374-15 | ▶ T 8331 | – | – | – | – | – | – | – | – | – | • | • | • | • |
| **Electric actuators with process controllers for domestic hot water heating** | | | | | | | | | | | | | | |
| 5724-310 | ▶ T 5724 | • | • | • | – | – | – | – | – | – | – | – | – | – |
| 5724-313[1] | ▶ T 5724 | • | • | • | – | – | – | – | – | – | – | – | – | – |
| 5724-320 | ▶ T 5724 | – | – | – | • | • | • | – | – | – | – | – | – | – |
| 5724-323[1] | ▶ T 5724 | – | – | – | • | • | • | – | – | – | – | – | – | – |
| **Electric actuators with process controller for heating and cooling applications** | | | | | | | | | | | | | | |
| 5724-810 | ▶ T 5724-8 | • | • | • | – | – | – | – | – | – | – | – | – | – |
| 5724-820 | ▶ T 5724-8 | – | – | – | • | • | • | – | – | – | – | – | – | – |
| **Pneumatic actuators** | | | | | | | | | | | | | | |
| 2780-2[2] | ▶ T 5840 | – | – | – | – | – | – | • | • | • | – | – | – | – |

[1] Version with half transit time

[2] Type 3214 Valves in combination with this actuator with rod-type yoke: order no. 1400-7414

**NOTICE**

***Risk of valve damage due to excessively high forces.***

*When the valves are combined with pneumatic actuators, the maximum forces of the electric actuators listed in Table 4 and Table 5 must not be exceeded.*

⇨ *If necessary, restrict the supply pressure.*

## Dimensions and weights with actuator

**Table 6:** *Control valves with Type 3213 Globe Valve*

| Nominal size | DN | 15 | 20 | 25 | 32 | 40 | 50 |
|---|---|---|---|---|---|---|---|
| Overall length L | mm | 130 | 150 | 160 | 180 | 200 | 230 |
| Height H1 | mm | 60 | 60 | 60 | 125 | 125 | 125 |
| Height H | mm | | | | | | |
| Types 3213/5857, 3213/5757-3, 3213/5757-7 | | 150 | 150 | 150 | – | – | – |
| Types 3213/5724-3, 3213/5724-8 | | 190 | 190 | 190 | 255 | 255 | 255 |
| Type 3213/5827 | | 193 | 193 | 193 | 258 | 258 | 258 |
| Type 3213/2780-1 | | 190 | 190 | 190 | 255 | 255 | 255 |
| Type 3213/2780-2 | | 290 | 290 | 290 | 355 | 355 | 355 |
| Weight[1] | kg (approx.) | | | | | | |
| Types 3213/5857, 3213/5757-3, 3213/5757-7 | | 3.0 | 3.6 | 4.0 | – | – | – |
| Type 3213/5827 | | 3.1 | 3.7 | 4.1 | 12.3 | 14.3 | 16.3 |
| Types 3213/5724-3, 3213/5724-8 | | 3.4 | 4.0 | 4.4 | 12.6 | 14.6 | 16.6 |
| Type 3213/2780-1 | | 4.3 | 4.9 | 5.3 | 13.5 | 15.5 | 17.5 |
| Type 3213/2780-2 | | 5.5 | 6.1 | 6.5 | 14.7 | 16.7 | 18.7 |

[1] Version for steam: +0.3 kg

## Dimensions and weights with actuator

**Table 7:** *Control valves with Type 3214 Globe Valve*

| Nominal size | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Overall length L | mm | 130 | 150 | 160 | 180 | 200 | 230 | 290 | 310 | 350 | 400 | 480 | 600 | 730 |
| Height H1 | mm | 235 | 235 | 235 | 235 | 235 | 235 | 305 | 305 | 355 | 580 | 710 | 860 | 860 |
| Height H | mm | | | | | | | | | | | | | |
| Types 3214/5724-3, 3214/5724-8 | | 350 | 350 | 350 | 350 | 350 | 350 | – | – | – | – | – | – | – |
| Type 3214/5827 | | 353 | 353 | 353 | 353 | 353 | 353 | – | – | – | – | – | – | – |
| Type 3214/3374 | | – | – | – | – | – | – | 599 | 599 | 649 | 784 | 914 | 1064 | 1064 |
| Type 3214/2780-2 | | – | – | – | – | – | – | 583 | 583 | 633 | – | – | – | – |
| Height H2 | mm | 55 | 55 | 55 | 72 | 72 | 72 | 100 | 100 | 120 | 145 | 175 | 270 | 270 |
| Height H3 | mm | | | | | | | | | | | | | |
| Type 3214/3374 | | – | – | – | – | – | – | – | – | – | 1034 | 1164 | 1314 | 1314 |
| Weight[1] | kg (approx.) | | | | | | | | | | | | | |
| Type 3214/5827 | | 7.3 | 7.5 | 8.5 | 15.0 | 15.5 | 18.0 | – | – | – | – | – | – | – |
| Types 3214/5724-3, 3214/5724-8 | | 7.6 | 7.8 | 8.8 | 15.3 | 15.8 | 18.3 | – | – | – | – | – | – | – |
| Type 3214/3374 | | – | – | – | – | – | – | 35 | 40 | 47 | 77 | 118 | 261 | 305 |
| Type 3214/2780-2 | | – | – | – | – | – | – | 50.7 | 55.7 | 62.7 | – | – | – | – |

[1] Version up to 220 °C: +0.3 kg · Version for PN 25 and 40: +15 %

## Dimensional drawings of electric control valves with Type 3213 Globe Valve

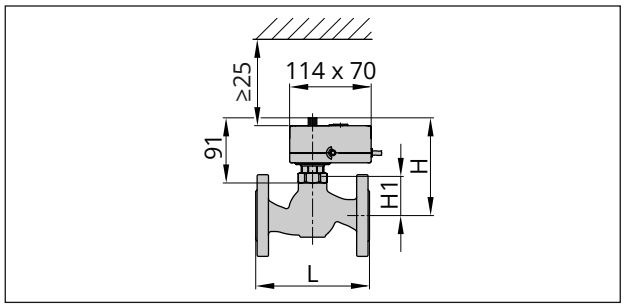



**Fig. 11:** *Type 3213/5857: DN 15 to 25*
*Type 3213/5757-3: DN 15 to 25*
*Type 3213/5757-7: DN 15 to 25*

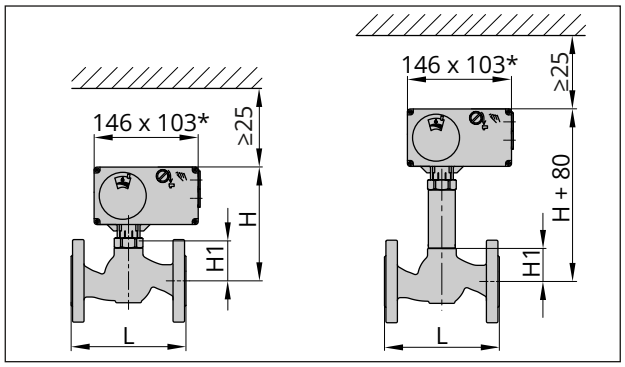



**Fig. 12:** *Type 3213/5724-3: DN 15 to 50*
*Type 3213/5724-8: DN 15 to 50*
*Version for steam (right)*

* **Dimensions for TROVIS 5724-3x3 Actuator:** 146x136

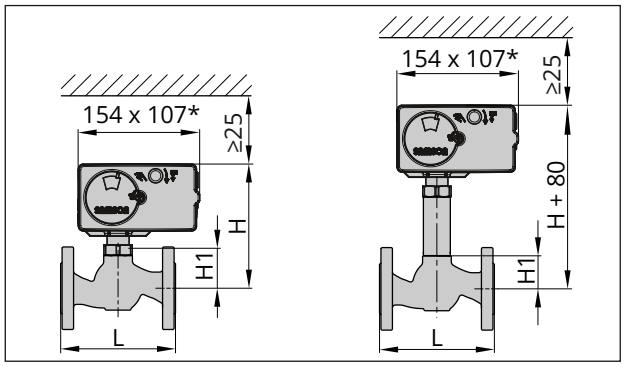



**Fig. 13:** *Type 3213/5827: DN 15 to 50*
*Version for steam (right)*

* **Dimensions for actuators with double stroking speed:** 154x140

## Dimensional drawings of pneumatic control valves with Type 3213 Globe Valve

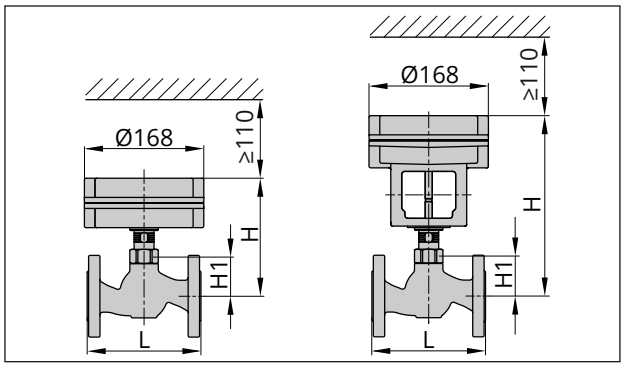



**Fig. 14:** *Type 3213/2780-1: DN 15 to 50 (left)*
*Type 3213/2780-2: DN 15 to 50 (right)*

## Dimensional drawings of electric control valves with Type 3214 Globe Valve

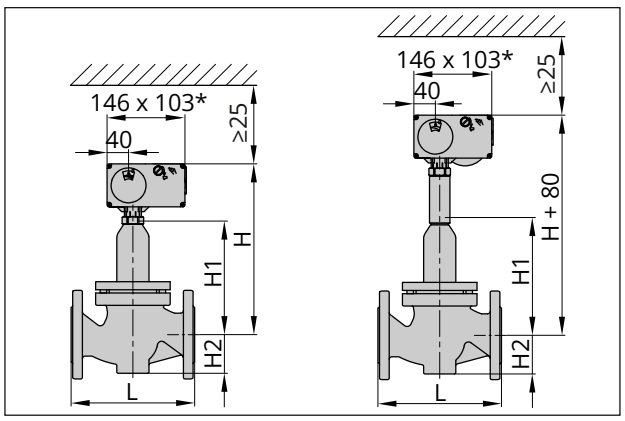



**Fig. 15:** *Type 3214/5724-3: DN 15 to 50*
*Type 3214/5724-8: DN 15 to 50*
*Version up to 220 °C (right)*

* **Dimensions for TROVIS 5724-3x3 Actuator:** 146x136

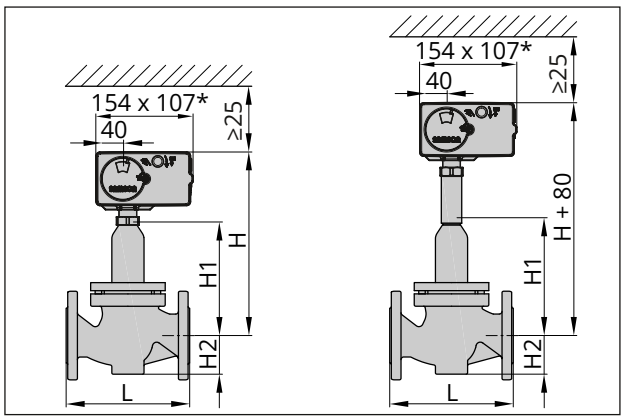



**Fig. 16:** *Type 3214/5827: DN 15 to 50*
*Version up to 220 °C (right)*

* **Dimensions for actuators with double stroking speed:** 154x140

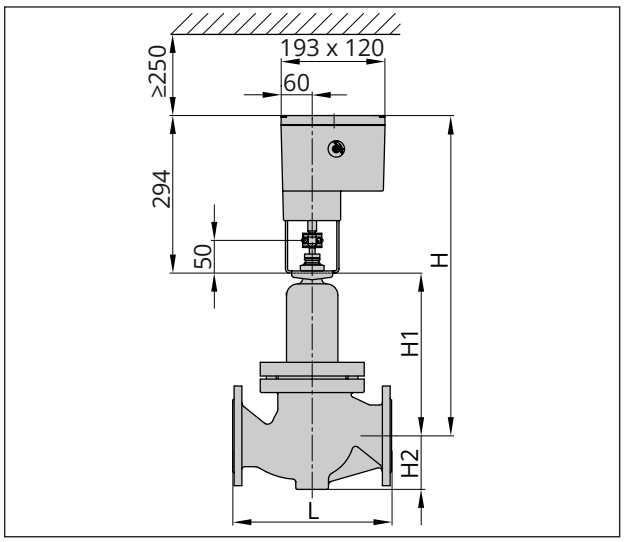



**Fig. 17:** *Type 3214/3374-11: DN 65 to 100*

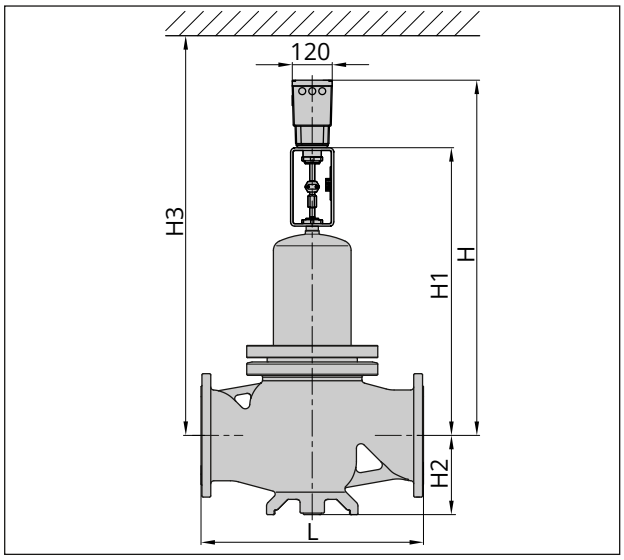



**Fig. 18:** *Type 3214/3374-15: DN 125 to 250*

## Dimensional drawings of pneumatic control valves with Type 3214 Globe Valve

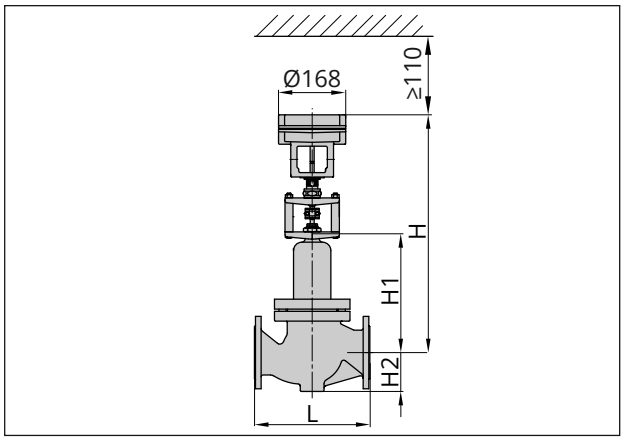



**Fig. 19:** *Type 3214/2780-2: DN 65 to 100*