

Series 240 · Types 3241-1 PSA, -7 PSA, -9 PSA Pneumatic Control Valves Type 3241 PSA Globe Valve



Application

Control valves for PSA plants (Pressure Swing Adsorption)

| | |
|----------------------------|-----------------------|
| Valve sizes | DN 15 to 150 |
| Nominal pressure | PN 10 to 40 |
| Medium temperatures | -10 to +220 °C |

Type 3241 Globe Valve operated with

- Type 3271 Pneumatic Actuator (Type 3241-1 Control Valve)
- Type 3277 Pneumatic Actuator (Type 3241-7 Control Valve) for integral positioner attachment
- Type 3275 Pneumatic Piston Actuator (Type 3241-9 Control Valve)

Valve body made of

- Cast steel
- Cast stainless steel or cast cold-resisting steel
- Forged steel
- Forged stainless steel

Undivided valve bonnet

Valve plug

- Soft seal
- High-performance metal seal

The control valves, designed according to the modular assembly principle, can be equipped with various accessories:

Positioners, solenoid valves and other accessories according to IEC 60534-6-1 and NAMUR recommendation. Refer to Information Sheet ▶ T 8350 for more details.

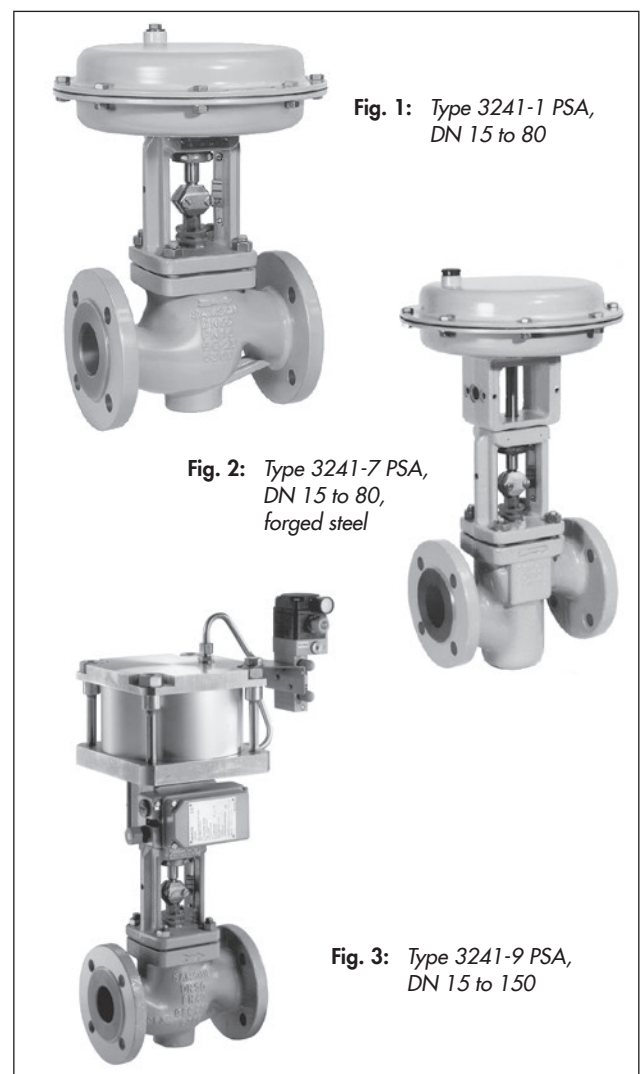
Versions

Standard version for medium temperatures ranging from -10 to +220 °C

- **Type 3241-1 PSA** (Fig. 1) · DN 15 to 80 with Type 3271 Actuator (see Data Sheet ▶ T 8310-1)
- **Type 3241-7 PSA** (Fig. 2) · DN 15 to 80 with Type 3277 Actuator (see Data Sheet ▶ T 8310-1)
- **Type 3241-9 PSA** (Fig. 3) · DN 15 to 150, with Type 3275 Piston Actuator (▶ T 8314) for integral attachment of a positioner and/or limit switch

Further versions

- **Flow divider** · For cast valves for noise reduction in both directions of flow



- **ANSI version** · See Data Sheet ▶ T 8012-1
- **Versions with dimensions according to Japanese Industry Standard (JIS)** · Details on request

Principle of operation

The process medium flows through the valve in both directions. The valve plug position determines the cross-sectional area between the seat and plug.

Fail-safe position

Depending on how the springs are arranged in the Type 3271 or Type 3277 Actuator (► T 8310-1), the valve has two different fail-safe positions effective upon air supply failure:

Actuator stem extends (fail-close)

The valve closes when the supply air fails.

Actuator stem retracts (fail-open)

The valve opens when the supply air fails.

The double-acting Type 3275 Piston Actuator does not have a fail-safe action (see ► T 8314).

Notes on the differential pressure tables

The differential pressure tables have been prepared under the following conditions:

- The maximum permissible supply pressure is 4 bar for valves in sizes DN 15 to 50 and actuators with an effective diaphragm area of 700 cm²
- Process medium in flow-to-open direction
- Version with PTFE packing
- The leakage rates specified in Table 1 are not exceeded with the maximum differential pressures specified.
- The specified differential pressure may be restricted by the pressure-temperature diagram.

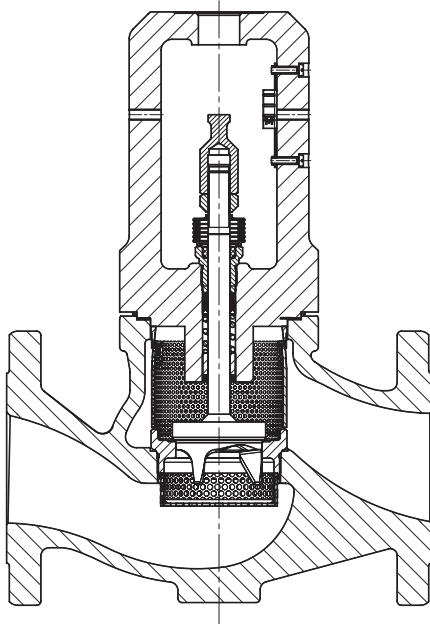


Fig. 4: Type 3241 PSA Valve, DN 15 to 150, with flow divider
St I PSA

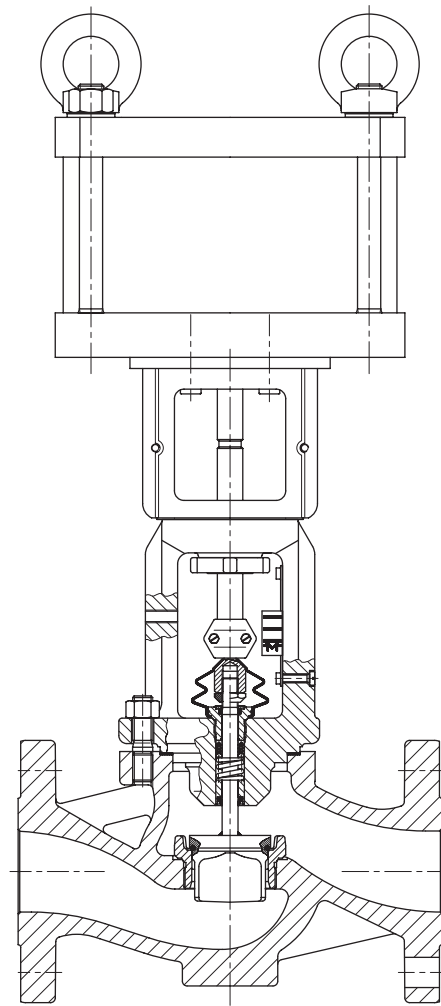


Fig. 5: Type 3241-9 PSA Control Valve, DN 15 to 150, with
Type 3275 Pneumatic Piston Actuator

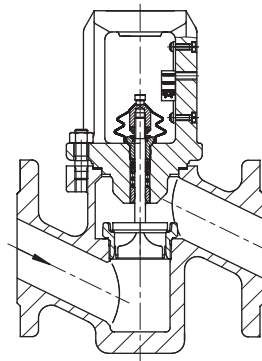


Fig. 6: Type 3241-1 PSA Valve in forged steel, DN 15 to 80

Table 1: Technical data for Type 3241 PSA Valve

| Valve size | DN | 15 to 150 | | 15, 25, 40, 50, 80 | |
|--|-----------------------------|--|--------------------------------|----------------------------------|----------------------------------|
| Material | | Cast steel GP240GH 1.0619 | Cast stainless steel 1.4408 | Forged steel P250GH 1.0460 | Forged stainless steel 1.4571 |
| Type of end connections | | Flange (all DIN versions) | | | |
| Nominal pressure PN | | 10, 16, 25, 40 | | | |
| Seat/plug seal | | Soft seal or high-performance metal seal | | | |
| Characteristic | | Equal percentage or linear | | | |
| Rangeability | | 50:1 for DN 15 to 50 · 30:1 for DN 65 and larger | | | |
| Compliance | | CE · EAC | | | |
| Medium temperature ranges in °C · Permissible operating pressures acc. to pressure-temperature diagram (see Information Sheet ► T 8000-2) | | | | | |
| Valve | | -10 to +220 °C | | | |
| Leakage class according to IEC 60534-4 | | | | | |
| Valve plug | Soft seal | VI | | | |
| | High-performance metal seal | V | | | |

Table 2: Materials

| Standard version | | | | |
|--------------------------|--|--------------------------------|----------------------------------|----------------------------------|
| Nominal pressure | PN 16 to 40 | | | |
| Valve body ¹⁾ | Cast steel GP240GH 1.0619 | Cast stainless steel 1.4408 | Forged steel P250GH 1.0460 | Forged stainless steel 1.4571 |
| Valve bonnet | 1.0460 | 1.4404/1.4401 | 1.0460 | 1.4571 |
| Seat and plug | 1.4006 | 1.4004 | 1.4406 | 1.4404 |
| | Seal ring for soft-seated plug: PTFE with glass fiber | | | |
| Guide bushings | 1.4104 | 1.4404 | 1.4104 | 1.4404 |
| Packing | V-ring packing: PTFE with carbon · Spring: 1.4310 · Stem protective ring | | | |
| Body gasket | Graphite on metal core | | | |

¹⁾ Special materials on request

Table 3: K_{VS} coefficientsTerms for control valve sizing according to IEC 60534, Parts 2-1 and 2-2: $F_L = 0.95$, $X_T = 0.75$ **Table 3.1:** Overview with flow divider St I PSA ($K_{VS I}$)

| K_{VS} | 1.6 | 2.5 | 4.0 | 6.3 | 10 | 16 | 25 | 40 | 60 | 80 | 63 | 100 | 160 | 200 | 260 | |
|-----------------------|-----|-----|-----|-----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| $K_{VS I}$ | 1.3 | 2 | 3.2 | 5 | 8 | 13 | 20 | 32 | 48 | 63 | 50 | 80 | 125 | 160 | 210 | |
| Seat \varnothing mm | 12 | | | 24 | | | 31 | 38 | 48 | 63 | 80 | 63 | 80 | 100 | 110 | 130 |
| Travel mm | 15 | | | | | | | | | | 30 | | | | | |

Table 3.2: Versions without flow divider

| K_{VS} | 1.6 | 2.5 | 4.0 | 6.3 | 10 | 16 | 25 | 40 | 60 | 80 | 63 | 100 | 160 | 200 | 260 |
|-----------------|-----|-----|-----|-----|----|----|----|----|----|----|----|-----|-----|-----|-----|
| Nominal size DN | | | | | | | | | | | | | | | |
| 15 | • | • | • | | | | | | | | | | | | |
| 20 | | • | • | • | | | | | | | | | | | |
| 25 | | | • | • | • | | | | | | | | | | |
| 32 | | | | • | • | • | | | | | | | | | |
| 40 | | | | | • | • | • | | | | | | | | |
| 50 | | | | | | • | • | • | | | | | | | |
| 65 | | | | | | | • | • | • | | | | | | |
| 80 | | | | | | | | • | • | • | | | | | |
| 100 | | | | | | | | | | | • | • | • | | |
| 125 | | | | | | | | | | | | • | • | • | |
| 150 | | | | | | | | | | | | • | • | | • |

Table 3.3: Versions with flow divider St I PSA ($K_{VS I}$) · Versions with cast bodies only

| $K_{VS I}$ | 1.3 | 2 | 3.2 | 5 | 8 | 13 | 20 | 32 | 48 | 63 | 50 | 80 | 125 | 160 | 210 |
|-----------------|-----|---|-----|---|---|----|----|----|----|----|----|----|-----|-----|-----|
| Nominal size DN | | | | | | | | | | | | | | | |
| 15 | • | • | • | | | | | | | | | | | | |
| 20 | • | • | • | | | | | | | | | | | | |
| 25 | • | • | • | | | | | | | | | | | | |
| 32 | | | | • | • | • | | | | | | | | | |
| 40 | | | | | • | • | • | | | | | | | | |
| 50 | | | | | | • | • | • | | | | | | | |
| 65 | | | | | | | • | • | • | | | | | | |
| 80 | | | | | | | | • | • | • | | | | | |
| 100 | | | | | | | | | | • | • | • | | | |
| 125 | | | | | | | | | | | | • | | • | |
| 150 | | | | | | | | | | | | • | • | | • |

Table 4: Differential pressure tables for Type 3271 and Type 3277 Actuators with Type 3241 PSA Valve · All pressures in bar

- Permissible differential pressures Δp for unbalanced plug with high-performance metal seal when $p_2 = 0$
- Values specified in the gray-shaded columns correspond to the standard application cases, i.e. operation with rated travel
- Differential pressures specified in the white columns apply to maximum pretensioned springs
- Values in parentheses are valid for 50 % travel.

Table 4.1: Fail-close valve · Valve closed with 0 bar signal pressure

| Bench range with actuator | | 240 cm ² | 0.2 to 1.0 | 0.3 to 1.1 | 0.4 to 2.0 | 0.6 to 2.2 | 0.6 to 3.0 | 0.9 to 3.3 | – | – |
|---------------------------|-----------------|--------------------------|-------------------------------|--------------|------------|--------------|------------|---------------|--------------|------------|
| | | 120 cm ² | | 0.4 to 1.2 | | 0.8 to 2.4 | | 1.2 to 3.6 | 1.4 to 2.3 | 2.1 to 3.3 |
| | | 350 cm ² | | | | | | | | |
| | | 700 cm ² | | (1.2 to 2.0) | | (1.8 to 3.0) | | (1.85 to 2.3) | (2.7 to 3.3) | |
| Required supply pressure | | | 1.2 | 1.4 | 2.2 | 2.6 | 3.2 | 3.8 | 2.5 | 3.5 |
| Valve size DN | K _{VS} | Actuator cm ² | Δp when $p_2 = 0$ bar | | | | | | | |
| 15 to 25 | 1.6 | 120 | – | – | 28 | – | – | – | 40 | – |
| | 2.5 | 240 | 28 | 40 | 40 | 40 | 40 | 40 | – | – |
| | 4.0 | 350 | 40 | 40 | 40 | 40 | – | – | 40 | – |
| 20 to 40 | 6.3 10.0 | 120 | – | – | – | – | – | – | 30 | 40 |
| | | 240 | – | – | 14.8 | 24 | 24 | 39 | – | – |
| | | 350 | – | – | 24 | 38 | 38 | 40 | 40 | 40 |
| | | 700 | – | – | (40) | – | – | – | – | – |
| 32 to 50 | 16 | 240 | – | – | – | 14 | 14 | 23 | – | – |
| | | 350 | – | – | 13.5 | 30 | 22 | 47 | 40 | 40 |
| | | 700 | – | – | (40) | – | (40) | – | – | – |
| 40 to 65 | 25 | 350 | – | – | – | 20 | 14 | 31 | 37 | 40 |
| | | 700 | – | – | (40) | – | (40) | – | – | – |
| 50 to 80 | 40 | 350 | – | – | – | 12 | 8.5 | 19 | 23 | 35 |
| | | 700 | – | – | (40) | – | (40) | – | – | – |
| 65 80 | 60 | 350 | – | – | – | – | 4.5 | 10.5 | 13 | 20 |
| | | 700 | – | – | (23) | – | (35) | – | (36) | (40) |
| 80 | 80 | 700 | – | – | (14) | – | (21) | – | (22) | (33) |

Table 4.2: Fail-open valve · Valve closed with the required signal pressure

| Bench range with actuator | | 240 cm ² | 0.2 to 1.0 | | | |
|---------------------------|-----------------|--------------------------|-------------------------------|---------------------|-----|--|
| | | 120 cm ² | 350 cm ² | 700 cm ² | | |
| Required supply pressure | | | 1.2 | 2.4 | 4.0 | |
| Valve size DN | K _{VS} | Actuator cm ² | Δp when $p_2 = 0$ bar | | | |
| 15 to 25 | 1.6 | 120 | 9 | 40 | – | |
| | 2.5 | 240 | 28 | 40 | – | |
| | 4.0 | 350 | 40 | 40 | – | |
| 20 to 40 | 6.3 10.0 | 120 | – | 31 | 40 | |
| | | 240 | – | – | – | |
| | | 350 | – | 40 | 40 | |
| | | 700 | 24 | 40 | – | |
| 32 to 50 | 16 | 240 | – | 27 | 40 | |
| | | 350 | 5.2 | 40 | 40 | |
| | | 700 | 13.5 | 40 | – | |
| 40 to 65 | 25 | 350 | – | 37 | 40 | |
| | | 700 | – | 40 | 40 | |
| 50 to 80 | 40 | 350 | – | 23 | 40 | |
| | | 700 | – | 40 | 40 | |
| 65 80 | 60 | 350 | – | 13 | 29 | |
| | | 700 | – | 27 | 40 | |
| 80 | 80 | 700 | – | 16 | 37 | |

Table 5: Permissible differential pressure for Type 3275 Piston Actuator with Type 3241 PSA Valve**Table 5.1:** Plug with high-performance metal seal · Pressures in bar

| Valve size DN | Flow coefficient K _{Vs} | Actuator cm ² | Supply pressure [bar] | | | | | | | |
|------------------|--|-----------------------------|-----------------------|------|------|------|------|------|------|------|
| | | | 1.4 | 2 | 2.5 | 3 | 3.5 | 4 | 5 | 6 |
| 20 to 40 | 6.3 to 10 | 314 | 40 | – | – | – | – | – | – | – |
| 32 to 50 | 16 | 314 | 26.5 | 40 | – | – | – | – | – | – |
| | | 490 | 40 | – | – | – | – | – | – | – |
| 40 to 65 | 25 | 314 | 14.4 | 28.2 | 39.8 | – | – | – | – | – |
| | | 490 | 32.5 | 40 | – | – | – | – | – | – |
| 50 to 65 | 40 | 314 | 6.1 | 14.8 | 22.0 | 29.3 | 35.5 | 40 | – | – |
| | | 490 | 17.5 | 31.0 | 40 | – | – | – | – | – |
| 65 | 60 | 314 | 1.0 | 6.1 | 10.3 | 14.5 | 18.7 | 22.9 | 31.3 | 39.6 |
| | | 490 | 7.6 | 15.5 | 22.0 | 28.6 | 35.1 | 40 | – | – |
| 80 | 40 | 314 | 6.0 | 14.7 | 21.9 | 29.1 | 36.4 | 40 | – | – |
| | | 490 | 17.3 | 30.9 | 40 | – | – | – | – | – |
| 80 | 60 | 314 | 1.0 | 6.0 | 10.2 | 14.4 | 18.6 | 22.8 | 31.2 | 39.6 |
| | | 490 | 7.5 | 15.4 | 22.0 | 28.5 | 35.1 | 40 | – | – |
| 80 | 80 | 314 | – | 1.9 | 4.5 | 7.2 | 9.8 | 12.4 | 17.6 | 22.8 |
| | | 490 | 2.9 | 7.8 | 11.8 | 15.9 | 20.0 | 24.0 | 32.2 | 40 |
| 100 | 63 | 314 | 1.0 | 6.0 | 10.2 | 14.4 | 18.6 | 22.8 | 31.2 | 39.6 |
| | | 490 | 7.5 | 15.4 | 22.0 | 28.5 | 35.1 | 40 | – | – |
| | | 804 | 19.3 | 32.2 | 40 | – | – | – | – | – |
| 100 125 | 100 | 314 | – | 1.9 | 4.5 | 7.2 | 9.8 | 12.4 | 17.6 | 22.8 |
| | | 490 | 2.9 | 7.8 | 11.8 | 15.9 | 20.0 | 24.0 | 32.2 | 40 |
| | | 804 | 10.2 | 18.2 | 24.9 | 31.5 | 38.2 | 40 | – | – |
| 100 to 150 | 160 | 314 | – | – | 1.6 | 3.2 | 4.9 | 6.6 | 9.9 | 13.2 |
| | | 490 | 0.5 | 3.6 | 6.2 | 8.8 | 11.4 | 14.0 | 19.2 | 24.4 |
| | | 804 | 5.2 | 10.3 | 14.6 | 18.8 | 23.1 | 27.4 | 35.9 | 40 |
| 125 | 200 | 314 | – | – | 0.8 | 2.1 | 3.5 | 4.9 | 7.6 | 10.4 |
| | | 490 | – | – | 4.6 | 6.8 | 8.9 | 11.1 | 15.4 | 19.6 |
| | | 804 | 3.7 | 8.0 | 11.5 | 15.0 | 18.5 | 22.1 | 29.1 | 36.2 |
| 150 | 260 | 314 | – | – | – | 0.7 | 1.7 | 2.7 | 4.7 | 6.6 |
| | | 490 | – | 1.0 | 2.5 | 4.1 | 5.6 | 7.1 | 10.2 | 13.3 |
| | | 804 | 1.9 | 4.9 | 7.4 | 10.0 | 12.5 | 15.0 | 20.1 | 25.1 |

Table 5.2: *Soft-seated plug · Pressures in bar*

| Valve size DN | Flow coefficient K _{Vs} | Actuator cm ² | Supply pressure [bar] | | | | | | | |
|------------------|--|-----------------------------|-----------------------|------|------|------|------|------|------|------|
| | | | 1.4 | 2 | 2.5 | 3 | 3.5 | 4 | 5 | 6 |
| 20 to 40 | 6.3 to 10 | 314 | 40 | – | – | – | – | – | – | – |
| 32 to 50 | 16 | 314 | 40 | – | – | – | – | – | – | – |
| 40 to 65 | 25 | 314 | 31.8 | 40 | – | – | – | – | – | – |
| 50 to 65 | 35 | 314 | 19.9 | 28.6 | 35.8 | 40 | – | – | – | – |
| | | 490 | 31.2 | 40 | – | – | – | – | – | – |
| 65 | 60 | 314 | 11.4 | 16.5 | 20.7 | 24.9 | 29.1 | 33.3 | 40 | – |
| | | 490 | 18.0 | 25.9 | 32.4 | 39.0 | 40 | – | – | – |
| 80 | 40 | 314 | 19.7 | 28.4 | 35.6 | 40 | – | – | – | – |
| | | 490 | 31.1 | 40 | – | – | – | – | – | – |
| 80 | 60 | 314 | 11.1 | 16.5 | 20.7 | 24.9 | 29.1 | 33.3 | 40 | – |
| | | 490 | 18.0 | 25.9 | 32.4 | 39.0 | 40 | – | – | – |
| 80 | 80 | 314 | 7.1 | 10.2 | 12.8 | 15.4 | 18.0 | 20.6 | 25.8 | 31.0 |
| | | 490 | 11.2 | 16.0 | 20.1 | 24.2 | 28.2 | 32.3 | 40 | – |
| 100 | 63 | 314 | 11.4 | 16.5 | 20.7 | 24.9 | 29.1 | 33.3 | 40 | – |
| | | 490 | 18.0 | 25.9 | 32.4 | 39.0 | 40 | – | – | – |
| | | 804 | 29.8 | 40 | – | – | – | – | – | – |
| 100 125 | 100 | 314 | 7.1 | 10.2 | 12.8 | 15.4 | 18.0 | 20.6 | 25.8 | 31.0 |
| | | 490 | 11.2 | 16.0 | 20.1 | 24.2 | 28.2 | 32.3 | 40 | – |
| | | 804 | 18.4 | 26.4 | 33.1 | 39.8 | 40 | – | – | – |
| 100 to 150 | 160 | 314 | 4.5 | 6.5 | 8.2 | 9.8 | 11.5 | 13.2 | 16.5 | 19.8 |
| | | 490 | 7.1 | 10.2 | 12.8 | 15.4 | 18.0 | 20.6 | 25.8 | 31.0 |
| | | 804 | 11.8 | 16.9 | 21.2 | 25.4 | 29.7 | 34.0 | 40 | – |
| 125 | 200 | 314 | 3.7 | 5.4 | 6.8 | 8.1 | 9.5 | 10.9 | 13.6 | 16.4 |
| | | 490 | 5.9 | 8.5 | 10.6 | 12.8 | 14.9 | 17.1 | 21.4 | 25.6 |
| | | 804 | 9.7 | 14.0 | 17.5 | 21.0 | 24.5 | 28.1 | 35.1 | 40 |
| 150 | 260 | 314 | 2.7 | 3.8 | 4.8 | 5.8 | 6.8 | 7.8 | 9.8 | 11.7 |
| | | 490 | 4.2 | 6.1 | 7.6 | 9.1 | 10.7 | 12.2 | 15.3 | 18.4 |
| | | 804 | 7.0 | 10.0 | 12.5 | 15.0 | 17.6 | 20.1 | 25.1 | 30.2 |

Table 6: Dimensions for Type 3241-1 PSA, Type 3241-7 PSA and Type 3241-9 PSA in standard version**Table 6.1:** Type 3241 PSA Valve

| Valve | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|-----------------|--------------|-----|-----|-----|-----|-----|-----|-------------------|-------------------|-------------------|-------------------|-------------------|
| Length L | mm | 130 | 150 | 160 | 180 | 200 | 230 | 290 | 310 | 350 | 400 | 480 |
| H1 for actuator | mm | 220 | | | | | | 330 ¹⁾ | 330 ¹⁾ | 354 ¹⁾ | 363 ¹⁾ | 390 ¹⁾ |
| H2 for version | Cast steel | 40 | | | 72 | | | 98 | | 118 | 144 | 175 |
| | Forged steel | 53 | – | 70 | – | 92 | 98 | – | 128 | – | | |

¹⁾ Add 65 mm to H1 when a Type 3275 Actuator with 804 cm² actuator area is mounted.

Table 6.2: Type 3271 and Type 3277 Pneumatic Actuators

| Actuator area | cm ² | 120 | 350 | 700 |
|------------------|-----------------|-----------------|-----------------|-----------------|
| Diaphragm ØD | mm | 168 | 280 | 390 |
| H ¹⁾ | mm | 69 | 82 | 199 |
| H3 ²⁾ | mm | 110 | 110 | 190 |
| H5 | Type 3277 mm | 88 | 101 | 101 |
| Thread | Type 3271 | M30 x 1.5 | | |
| | Type 3277 | M30 x 1.5 | | |
| α | Type 3271 | G 1/8 (1/8 NPT) | G 3/8 (3/8 NPT) | G 3/8 (3/8 NPT) |
| α2 | Type 3277 | – | G 3/8 | G 3/8 |

¹⁾ Height with welded-on lifting eyelet or height of eyebolt according to DIN 580. Height of the swivel lifting hook may differ. Actuators up to 350 cm² without lifting eyelet

²⁾ Minimum clearance required to remove the actuator

Table 6.3: Type 3275 Piston Actuator

| Actuator area | cm ² | 314 | 490 | 804 |
|------------------|-----------------|-------------------|-------------------|---------|
| Diaphragm □D | mm | 220 | 280 | 350 |
| H | mm | 225 ¹⁾ | 250 ¹⁾ | 286 |
| H3 ²⁾ | mm | 110 | | 190 |
| H5 | mm | 101 | | – |
| Thread | | M30x1.5 | | M60x1.5 |

¹⁾ Different dimensions are possible for special version (e.g. for low temperatures).

²⁾ Minimum clearance to remove the actuator

Table 7: Weights for Type 3241-1 PSA, Type 3241-7 PSA and Type 3241-9 PSA**Table 7.1:** Type 3241 PSA Valve

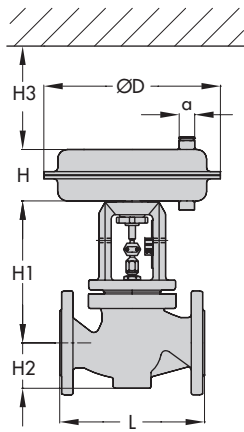
| Valve | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|-------------------------|----|----|----|----|----|----|----|----|----|-----|-----|-----|
| Weight without actuator | kg | 5 | 6 | 7 | 11 | 12 | 15 | 24 | 30 | 42 | 80 | 120 |

Table 7.2: Type 3271, Type 3277, and Type 3275 Actuators

| Actuator | | Type 3271 | | | Type 3277 | | | Type 3275 | | |
|-----------------|-----------------|-----------|-----|-----|-----------|-----|-----|-----------|-----|-----|
| Actuator area | cm ² | 120 | 350 | 700 | 120 | 350 | 700 | 314 | 490 | 804 |
| Weight, approx. | kg | 3 | 8 | 22 | 3.5 | 12 | 26 | 10 | 17 | 21 |

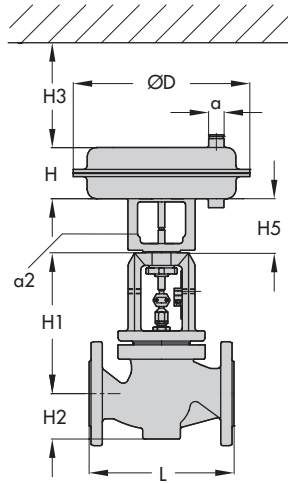
Dimensional drawings

Type 3271 Actuator



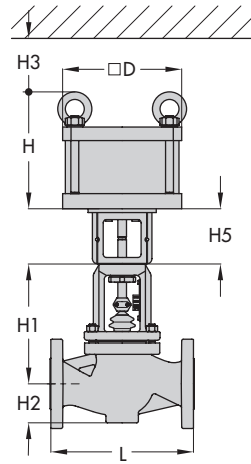
Type 3241-1 PSA
DN 15 to 80

Type 3277 Actuator



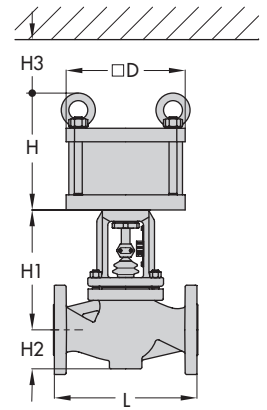
Type 3241-7 PSA
DN 15 to 80

Type 3275 Piston
Actuator
314/490 cm²



Type 3241-9 PSA
DN 15 to 150

Type 3275 Piston
Actuator, 804 cm²



Type 3241-9 PSA
DN 100 to 150

Ordering text

| | |
|-------------------------|--|
| Globe valve | Type 3241 PSA |
| Valve size | DN ... |
| Nominal pressure | PN ... |
| Body material | According to Table 2 |
| Type of end connections | Flanges |
| Seat/plug seal | Soft seal or high-performance metal seal |
| Characteristic | Equal percentage or linear |
| Actuator | Type 3271, Type 3277 or Type 3275 according to Data Sheet ► T 8310-1 or ► T 8314 |
| Fail-safe position | Fail-close or fail-open |
| Process medium | Density in kg/m ³ and temperature in °C |
| Flow rate | in kg/h or m ³ /h in standard or operating state |
| Pressure | p ₁ and p ₂ in bar (absolute pressure p _{abs}), with minimum, normal and maximum flow rate |
| Valve accessories | Positioner and/or limit switch |

