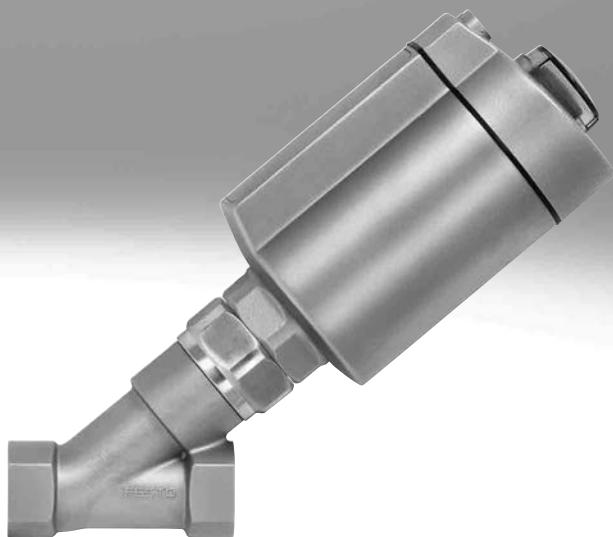


Angle seat valves VZXA

FESTO

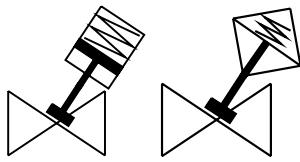


Key features

Function

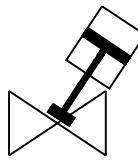
The angle seat valves VZXA are externally actuated valves that are controlled by a direct supply of compressed air and are used to shut off gaseous or liquid media in pipe systems. In the process, a spindle with a soft-sealing valve disc is raised and lowered using a pneumatic actuator. In all the versions mentioned below, the valve seat is slanted around 40° in relation to the medium flow. The flow direction is determined by the design of the valve (angle seat and actuator).

NC version (normally closed)



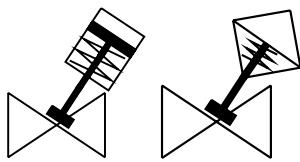
In the normal position, the valve is closed by springs. When the actuator is supplied with operating pressure, it raises the control piston and, at the same time, the valve disc too – this opens the valve.

DA version (double-acting)



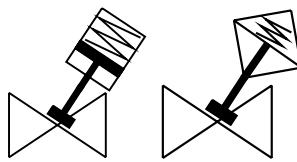
The control function is performed by alternate pneumatic actuation of the actuator chambers. Only available for the piston actuator.

NO version (normally open)



In the normal position, the valve is opened by a spring. When the actuator is supplied with operating pressure, it lowers the control piston and, at the same time, the valve disc too – this closes the valve.

NC version (normally closed) with reduced spring force



In the normal position the valve is closed by a spring (reduced spring force for low operating pressures). When the actuator is supplied with operating pressure, it raises the control piston and, at the same time, the valve disc too – this opens the valve.

Economical

- Modular design
- Hygienic design, insensitive to dirt
- Long service life
- Quick and easy maintenance
- High flow rates achievable

Versatile

- Control of medium flows (gaseous and liquid) in closed and open circuits
- The angle seat valves VZXA are simple and sturdy and are thus perfectly suitable for almost all media with a viscosity of up to 600 mm²/s
- The angle seat valves VZXA made from stainless steel with PTFE seals have high chemical and thermal resistance
- Also suitable for vacuum applications
- Temperature of medium -30 ... +200°C

Design

- G thread to DIN ISO 228-1 Parallel Whitworth pipe thread, non-metallic seal: must either be provided with an annular seal on the outside of the thread or must be sealed by wrapping the thread with PTFE or hemp
- NPT thread to ANSI/ASME B 1.20.1 American tapered pipe thread with sealing material in the thread, female thread tapered, male thread tapered
- Rc thread to DIN 10226-2 Pipe thread for sealing joints in the thread, female thread tapered, male thread tapered

- Connection sizes DN13 ... DN65 and 1/2" ... 2 1/2"
- Pressure of medium 0 ... 30 bar
- Operating pressure 5 ... 10 bar
- Threaded collar connection
- ATEX



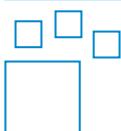
- Piston actuator with low space requirement, can close against pressures up to 10 bar, in actuator sizes 46 mm and 75 mm
- Diaphragm actuator without stick-slip effect, ideal for high force requirements and control applications, in actuator size 90 mm
- The interface screws between the valve body and the piston and diaphragm actuators are identical to spanner size AF46



Product range overview

| Product range overview | | Type | Control function | Flow direction |
|---|-----------|------|---|---|
|  | VZXA-A... | | <ul style="list-style-type: none"> Closed via reduced spring force, NC | <ul style="list-style-type: none"> Over the valve seat For gaseous media, "closing in the direction of the medium flow" is used |
|  | VZXA-B... | | <ul style="list-style-type: none"> Closed via spring force, NC Opened via spring force, NO Double-acting, DA | <ul style="list-style-type: none"> Under the valve seat For gaseous and liquid media, "closing against the direction of medium flow" is used in order to prevent or reduce water hammer |

Ordering data – Product options

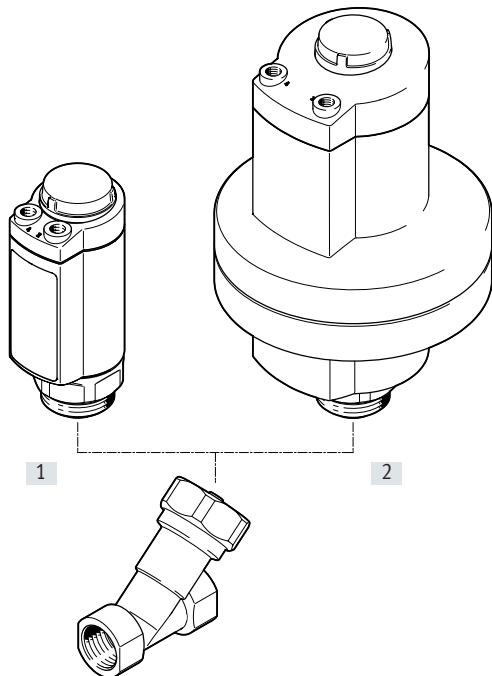


Configurable product
This product and all its product options can be ordered using the configurator.

The configurator can be found under Products on the DVD or at
[→ www.festo.com/catalogue/...](http://www.festo.com/catalogue/)

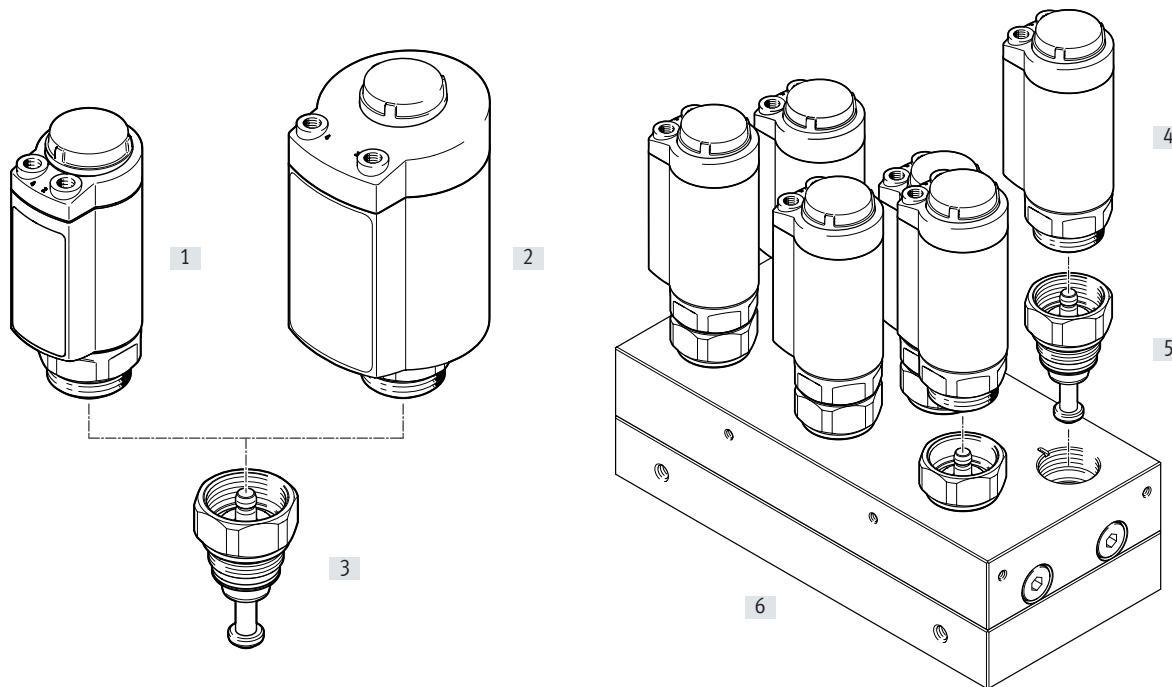
Part no. 3539410 Type VZXA

Peripherals overview



| Designation | Description | → Page |
|------------------------|--|--------|
| Angle seat valve VZXA | | |
| [1] Piston actuator | <ul style="list-style-type: none">In actuator sizes 46 mm and 75 mmMinimal space requirement | 7 |
| [2] Diaphragm actuator | <ul style="list-style-type: none">In actuator size 90 mmWithout stick-slip effect, ideal for high force requirements and control applications | 13 |

Peripherals overview



| Mounting components and accessories | Description | → Page |
|---|---|--------|
| Parts available to purchase separately for customised valve block solutions | | |
| [1] Piston actuator DFPK | Actuator size 46 mm | 20 |
| [2] Piston actuator DFPK | Actuator size 75 mm | 20 |
| [3] Cover kit VAVC | <ul style="list-style-type: none"> Includes spindles and sealing components Can be ordered separately as an accessory | 22 |
| [4] Piston actuator DFPK | <ul style="list-style-type: none"> In actuator sizes 46 mm and 75 mm Can be ordered separately as an accessory | 20 |
| [5] Cover kit VAVC | <ul style="list-style-type: none"> Includes spindles and sealing components Can be ordered separately as an accessory | 22 |
| [6] Manifold block | Requirements and dimensions for manufacturing → www.festo.com/sp (Expert knowledge) | - |

Type codes

| | | |
|---------------|--|--|
| 001 | Series | |
| VZXA | Process valve | |
| 002 | Flow direction | |
| A | Above valve seat, for gaseous media | |
| B | Below valve seat, for gaseous and liquid media | |
| 003 | Cable connection | |
| T | Threaded collar | |
| 004 | Connection standard | |
| S6 | G thread to DIN ISO 228 | |
| S7 | NPT thread to ANSI/ASME B 1.20.1 | |
| S13 | Rc thread to DIN 10226 | |
| 005 | Connection size | |
| 1/2" | 1/2" | |
| 3/4" | 3/4" | |
| 1" | 1" | |
| 1 1/4" | 1 1/4" | |
| 1 1/2" | 1 1/2" | |
| 2" | 2" | |
| 2 1/2" | 2 1/2" | |
| 13 | DN13 | |
| 20 | DN20 | |
| 25 | DN25 | |
| 32 | DN32 | |
| 40 | DN40 | |
| 50 | DN50 | |
| 65 | DN65 | |
| 006 | Temperature of medium | |
| M2 | -10 ... +180°C | |
| M3 | -10 ... +200°C | |
| 007 | Valve housing material | |
| V13 | Stainless steel 1.4409 | |
| V14 | Stainless steel ASTM A351-CF3M | |
| B1 | Brass | |
| 008 | Seat seal material | |
| T | PTFE | |
| TP | PTFE modified | |
| 009 | Medium pressure | |
| 4 | 0 ... 4 bar | |
| 4.4 | 0 ... 4.4 bar | |
| 4.8 | 0 ... 4.8 bar | |
| 5.6 | 0 ... 5.6 bar | |
| 5.8 | 0 ... 5.8 bar | |
| 6 | 0 ... 6 bar | |
| 6.2 | 0 ... 6.2 bar | |
| 6.8 | 0 ... 6.8 bar | |
| 7.5 | 0 ... 7.5 bar | |
| 8 | 0 ... 8 bar | |
| 8.3 | 0 ... 8.3 bar | |
| 9.3 | 0 ... 9.3 bar | |
| 10 | 0 ... 10 bar | |
| 11.5 | 0 ... 11.5 bar | |
| 12.2 | 0 ... 12.2 bar | |
| 12.8 | 0 ... 12.8 bar | |
| 13.5 | 0 ... 13.5 bar | |
| 14.5 | 0 ... 14.5 bar | |
| 15.5 | 0 ... 15.5 bar | |
| 16 | 0 ... 16 bar | |
| 23 | 0 ... 23 bar | |
| 25 | 0 ... 25 bar | |
| 30 | 0 ... 30 bar | |
| 010 | Drive | |
| K | Piston drive | |
| M | Diaphragm actuator | |
| 011 | Drive size | |
| 46 | 46 mm | |
| 75 | 75 mm | |
| 90 | 90 mm | |
| 012 | Stroke | |
| 17 | 17 | |
| 20 | 20 | |
| 26 | 26 | |
| 013 | Control function | |
| | Closed via spring force, N/C | |
| D | Double-acting | |
| S | Opened via spring force, N/O | |
| PR | Closed via reduced spring force, N/C | |
| 014 | Drive housing material | |
| V4 | Stainless steel 1.4408 | |
| 015 | EU certification | |
| | None | |
| EX4 | II 2GD | |

Data sheet



- Poppet valve with piston actuator
- Line connection
1/2" ... 2", DN13 ... DN50
- Stroke
17 ... 20 mm



General technical data

| Line connection | DN13, 1/2" | DN20, 3/4" | DN25, 1" | DN32, 1 1/4" | DN40, 1 1/2" | DN50, 2" |
|-----------------------|-----------------------------------|--|----------|--------------|--------------|----------|
| Actuator | D46 | D46 | D75 | D46 | D75 | D46 |
| Flow rate Kv | VZXA-A... [m ³ /h] | 6.6 | — | 14.5 | — | 21.5 |
| | VZXA-B... [m ³ /h] | 6 | 13.3 | 13.5 | 20.3 | 22.6 |
| Design | Poppet valve with piston actuator | | | | | |
| Actuation type | Pneumatic | | | | | |
| Type of mounting | In-line installation | | | | | |
| Mounting position | Any | | | | | |
| Valve function | 2/2 | | | | | |
| Pneumatic connection | Female thread G1/8 | | | | | |
| Flow direction | Non-reversible | | | | | |
| Reset method | Mechanical spring | | | | | |
| Type of control | Externally controlled | | | | | |
| Position sensing | Via mechanical indicator | | | | | |
| Control of the medium | On/off operation | | | | | |
| Control function | VZXA-A... VZXA-B... | Closed via reduced spring force, NC Closed via spring force, NC | | | | |
| Flow direction | VZXA-A... VZXA-B... | Over the valve seat, for gaseous media Under the valve seat, for gaseous and liquid media | | | | |

Angle seat valves VZXA, with piston actuator

Data sheet

| Operating and environmental conditions | | |
|--|----------------------|--|
| Operating pressure ¹⁾ | [bar] | 5 ... 10 |
| Ambient temperature | [°C] | 0 ... +60 |
| Temperature of medium ²⁾ | [°C] | -10 ... +180 |
| Storage temperature | [°C] | -10 ... +60 |
| CE marking (see declaration of conformity) ³⁾ | | To EU Machinery Directive |
| Certification | | CRN |
| Certificate issuing authority | | CRNOC20829.5C |
| Degree of protection | | IP65 IP67 IP69K |
| Max. viscosity | [mm ² /s] | 600 |
| Medium | | Vapour Inert gases Filtered compressed air, grade of filtration 200 µm |
| VZXA-B-... additionally | | Mineral oil-based hydraulic fluid Mineral oil Water Neutral fluids |
| Operating medium | | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Safety Integrity Level (SIL) | | SIL 2 |
| PFH | | 0.00000014 |
| PFD | | 0.000595 |
| Certificate issuing authority | | German Technical Control Board (TÜV) 968/V 1039.0 0/18 |

1) See table "pressure of medium and operating pressure" for control function

2) Temperature of medium -30 ... +200°C only possible in conjunction with modified PTFE seat seal (see modular product system)

3) Additional information is available at www.festo.com/sp → Certificates.

| ATEX ¹⁾ | | |
|--------------------------------------|----------------------|-------------------|
| ATEX category for gas | II 2G | |
| Type of ignition protection for gas | c T6 ... T3 X | |
| ATEX category for dust | II 2D | |
| Type of ignition protection for dust | c T80°C ... T200°C X | |
| Explosion-proof ambient temperature | [°C] | 0 °C ≤ Ta ≤ +60°C |

1) Selected types → www.festo.com

| Materials | Material number | |
|--------------------|--|----------------|
| Piston rod | High-alloy stainless steel | |
| Cover | Stainless steel casting | |
| Seals | FPM | |
| Spindle seal | PTFE | |
| Seat seal | PTFE | |
| Actuator housing | Stainless steel casting | 1.4408 |
| Angle seat housing | Stainless steel casting | 1.4409 |
| | | ASTM A351-CF3M |
| Note on materials | Contains paint-wetting impairment substances RoHS-compliant | |

Data sheet

| Pressure of medium and operating pressure for control function NC, VZXA-B (flow direction under the valve seat) | | | | | | |
|---|----------------------------------|--------------------|----------------------------------|--------------------|----------------------------------|-------|
| | Min. pressure of medium [bar] | | Max. pressure of medium [bar] | | Min. operating pressure [bar] | |
| Actuator size | 46 mm | 75 mm | 46 mm | 75 mm | 46 mm | 75 mm |
| DN13, 1/2" | -0.9 ¹⁾ | - | 30 ¹⁾ | - | 4.8 | - |
| DN20, 3/4" | -0.9 ¹⁾ | -0.9 ¹⁾ | 12.8 ¹⁾ | 30 ¹⁾ | 4.8 | 4.6 |
| DN25, 1" | -0.9 ¹⁾ | -0.9 ¹⁾ | 8.3 ¹⁾ | 23 ¹⁾ | 4.8 | 4.6 |
| DN32, 1 1/4" | -0.9 ¹⁾ | -0.9 ¹⁾ | 4.4 ¹⁾ | 13.5 ¹⁾ | 4.8 | 4.6 |
| DN40, 1 1/2" | - | -0.9 ¹⁾ | - | 9.3 ¹⁾ | - | 4.6 |
| DN50, 2" | - | -0.9 ¹⁾ | - | 5.6 ¹⁾ | - | 4.6 |

1) Also suitable for vacuum applications

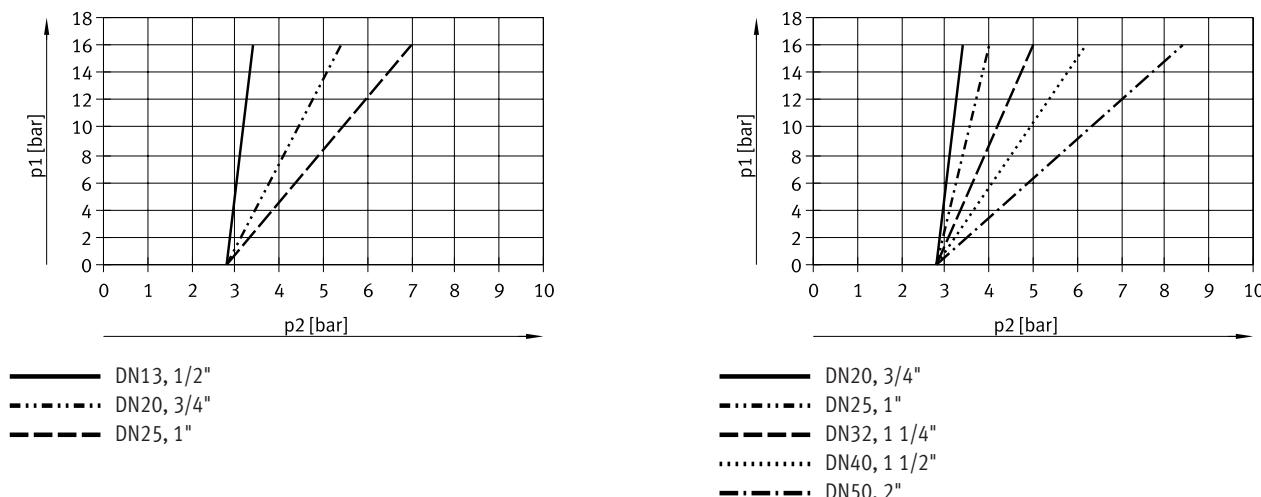
| Pressure of medium and operating pressure for control function NC with reduced spring force, VZXA-B-...-PR (flow direction under the valve seat) | | | | |
|--|----------------------------------|-------|----------------------------------|-------|
| | Max. pressure of medium [bar] | | Min. operating pressure [bar] | |
| Actuator size | 46 mm | 75 mm | 46 mm | 75 mm |
| DN13, 1/2" | 11.5 | - | 2.6 | - |
| DN20, 3/4" | 6 | 16 | 2.6 | 2.2 |
| DN25, 1" | - | 9.3 | - | 2.2 |
| DN32, 1 1/4" | - | 4.8 | - | 2.2 |
| DN40, 1 1/2" | - | 4 | - | 2.2 |

| Pressure of medium and operating pressure for control function NO opened via spring force, VZXA-B-...-S (flow direction under the valve seat) | | | | |
|---|----------------------------------|-------|----------------------------------|-------|
| | Max. pressure of medium [bar] | | Min. operating pressure [bar] | |
| Actuator size | 46 mm | 75 mm | 46 mm | 75 mm |
| DN13, 1/2" | 16 | - | 3.4 | - |
| DN20, 3/4" | 13.5 | 16 | 5 | 3.4 |
| DN25, 1" | 8.3 | 16 | 5 | 4 |
| DN32, 1 1/4" | - | 16 | - | 5 |
| DN40, 1 1/2" | - | 10 | - | 5 |
| DN50, 2" | - | 6.2 | - | 5 |

Pressure of medium p1 and operating pressure p2 for control function NO, opened via spring force, VZXA-B-...-S (flow direction under the valve seat)

Piston actuator size 46 mm

Piston actuator size 75 mm



Angle seat valves VZXA, with piston actuator

Data sheet

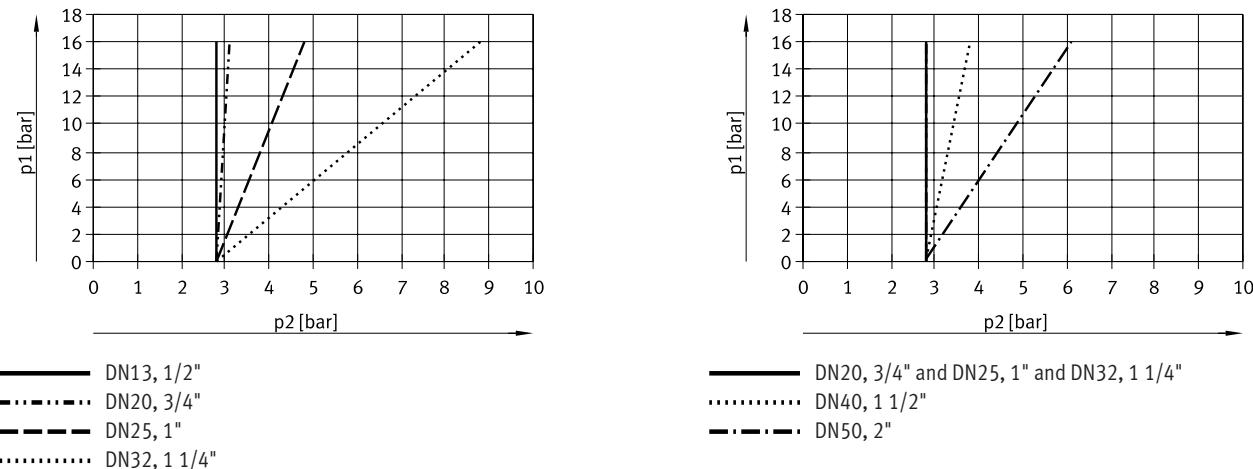
Pressure of medium and operating pressure for double-acting control function, VZXA-B-...-D (flow direction under the valve seat)

| | Max. pressure of medium [bar] | | Min. operating pressure [bar] | |
|---------------|----------------------------------|-------|----------------------------------|-------|
| Actuator size | 46 mm | 75 mm | 46 mm | 75 mm |
| DN13, 1/2" | 16 | — | 2.8 | — |
| DN20, 3/4" | 16 | 16 | 3.1 | 2.8 |
| DN25, 1" | 16 | 16 | 4.8 | 2.8 |
| DN32, 1 1/4" | 6 | 16 | 5 | 2.8 |
| DN40, 1 1/2" | — | 16 | — | 3.8 |
| DN50, 2" | — | 10 | — | 5 |

Pressure of medium p1 and operating pressure p2 for double-acting control function, VZXA-B-...-D (flow direction under the valve seat)

Piston actuator size 46 mm

Piston actuator size 75 mm



Pressure of medium and operating pressure for control function NC with reduced spring force, VZXA-A-...-PR (flow direction over the valve seat)

Piston actuator size 46 mm

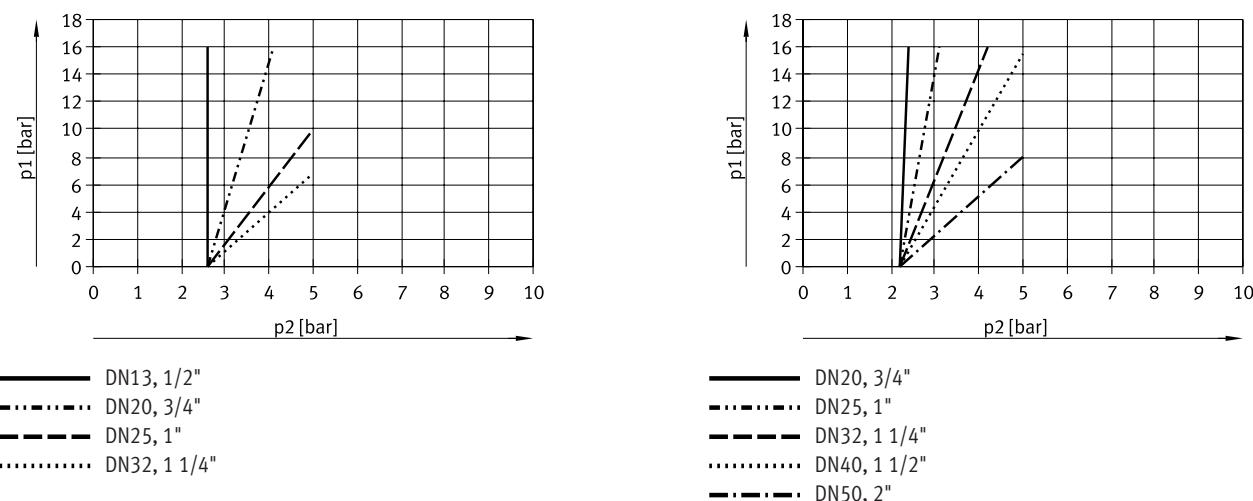
Piston actuator size 75 mm

| | Max. pressure of medium [bar] | | Min. operating pressure [bar] | |
|---------------|----------------------------------|-------|----------------------------------|-------|
| Actuator size | 46 mm | 75 mm | 46 mm | 75 mm |
| DN13, 1/2" | 16 | — | 2.6 | — |
| DN20, 3/4" | 16 | 16 | 4.1 | 2.4 |
| DN25, 1" | 10 | 16 | 5 | 3.1 |
| DN32, 1 1/4" | 6.8 | 16 | 5 | 4.2 |
| DN40, 1 1/2" | — | 15.5 | — | 5 |
| DN50, 2" | — | 8 | — | 5 |

Pressure of medium p1 and operating pressure p2 for control function NC with reduced spring force, VZXA-A-...-PR (flow direction over the valve seat)

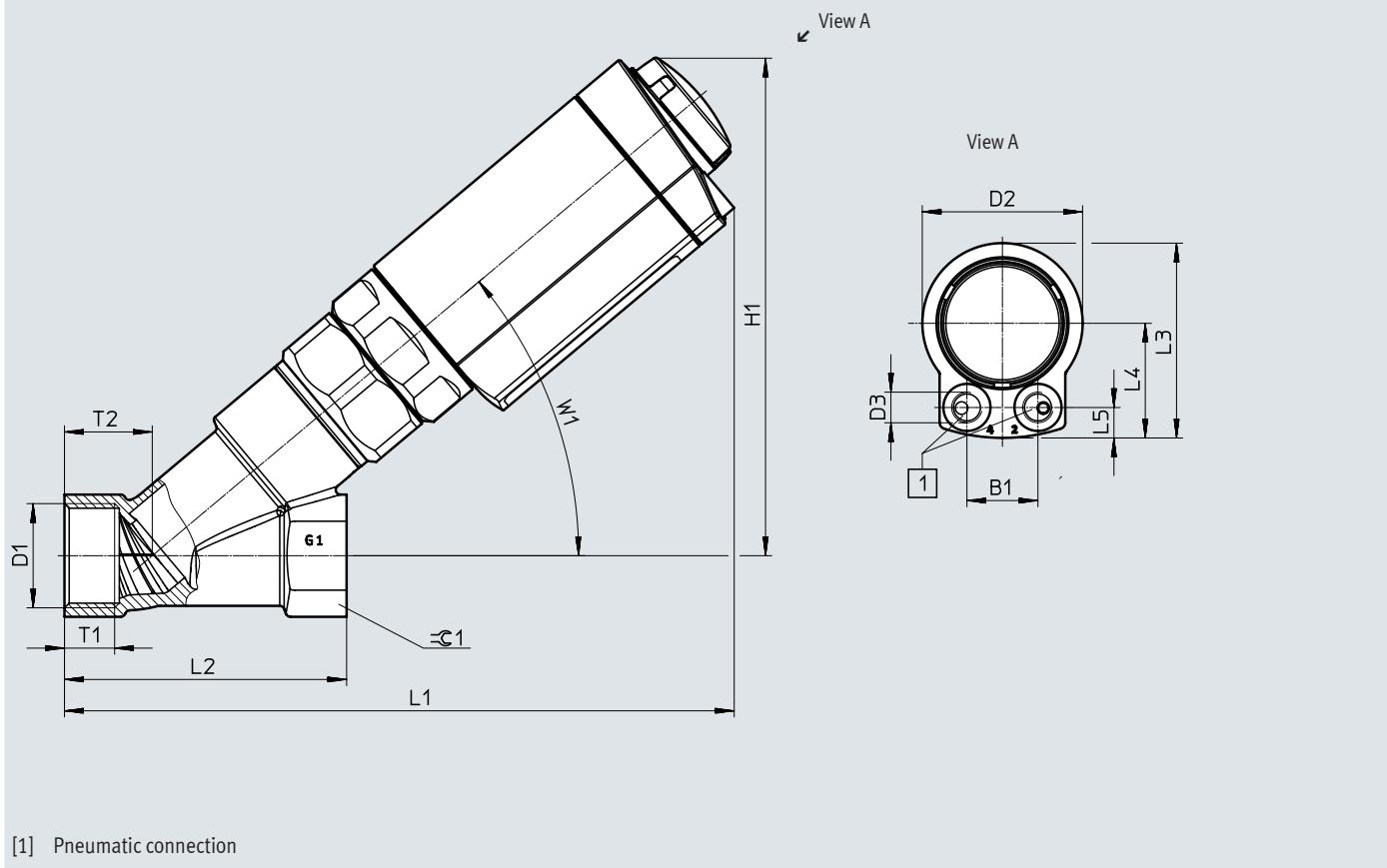
Piston actuator size 46 mm

Piston actuator size 75 mm



Data sheet

Dimensions

Download CAD data → www.festo.com

| Type | B1 | D1 | | | D2 Ø | D3 | H1 | L1 | L2 |
|-----------------------------------|------|--------|-----------|---------|---------|------|-----|-----|-----|
| | | S6 | S7 | S13 | | | | | |
| VZXA-A....13....16....46-17.... | 22.6 | G1/2 | 1/2 NPT | Rc1/2 | 51 | G1/8 | 159 | 202 | 65 |
| VZXA-A....20....16....75-20.... | 41 | G3/4 | 3/4 NPT | Rc3/4 | 82.6 | | 187 | 234 | 75 |
| VZXA-A....25....16....75-20.... | 41 | G1 | 1 NPT | Rc1 | 82.6 | | 192 | 244 | 90 |
| VZXA-B....13....30....46-17.... | 22.6 | G1/2 | 1/2 NPT | Rc1/2 | 51 | | 159 | 202 | 65 |
| VZXA-B....20....12.8....46-17.... | 22.6 | G3/4 | 3/4 NPT | Rc3/4 | 51 | | 158 | 203 | 75 |
| VZXA-B....20....30....75-20.... | 41 | G3/4 | 3/4 NPT | Rc3/4 | 82.6 | | 187 | 234 | 75 |
| VZXA-B....25....8.3....46-17.... | 22.6 | G1 | 1 NPT | Rc1 | 51 | | 164 | 214 | 90 |
| VZXA-B....25....23....75-20.... | 41 | G1 | 1 NPT | Rc1 | 82.6 | | 192 | 244 | 90 |
| VZXA-B....32....4.4....46-17.... | 22.6 | G1 1/4 | 1 1/4 NPT | Rc1 1/4 | 51 | | 168 | 218 | 110 |
| VZXA-B....32....13.5....75-20.... | 41 | G1 1/4 | 1 1/4 NPT | Rc1 1/4 | 82.6 | | 198 | 248 | 110 |
| VZXA-B....40....9.3....75-20.... | 41 | G1 1/2 | 1 1/2 NPT | Rc1 1/2 | 82.6 | | 216 | 270 | 120 |
| VZXA-B....50....5.6....75-20.... | 41 | G2 | 2 NPT | Rc2 | 82.6 | | 215 | 286 | 150 |

| Type | L3 | L4 | L5 | T1 | | | T2 | W1 | =G1 |
|-----------------------------------|------|------|------|----|------|------|------|----|-----|
| | | | | S6 | S7 | S13 | | | |
| VZXA-A....13....16....46-17.... | 62 | 36.5 | 26.8 | 14 | 13.7 | 13.2 | 21.5 | 40 | 25 |
| VZXA-A....20....16....75-20.... | 94.4 | 53.1 | 41 | 16 | 14 | 14.5 | 24 | 40 | 32 |
| VZXA-A....25....16....75-20.... | 94.4 | 53.1 | 41 | 16 | 16.8 | 16.8 | 28 | 40 | 41 |
| VZXA-B....13....30....46-17.... | 62 | 36.5 | 26.8 | 14 | 13.7 | 13.2 | 21.5 | 40 | 25 |
| VZXA-B....20....12.8....46-17.... | 62 | 36.5 | 26.8 | 16 | 14 | 14.5 | 24 | 40 | 32 |
| VZXA-B....20....30....75-20.... | 94.4 | 53.1 | 41 | 16 | 14 | 14.5 | 24 | 40 | 32 |
| VZXA-B....25....8.3....46-17.... | 62 | 36.5 | 26.8 | 16 | 16.8 | 16.8 | 28 | 40 | 41 |
| VZXA-B....25....23....75-20.... | 94.4 | 53.1 | 41 | 16 | 16.8 | 16.8 | 28 | 40 | 41 |
| VZXA-B....32....4.4....46-17.... | 62 | 36.5 | 26.8 | 20 | 17.3 | 19.1 | 36 | 42 | 50 |
| VZXA-B....32....13.5....75-20.... | 94.4 | 53.1 | 41 | 20 | 17.3 | 19.1 | 36 | 42 | 50 |
| VZXA-B....40....9.3....75-20.... | 94.4 | 53.1 | 41 | 22 | 17.3 | 19.1 | 38 | 42 | 55 |
| VZXA-B....50....5.6....75-20.... | 94.4 | 53.1 | 41 | 24 | 17.6 | 23.4 | 43 | 40 | 65 |

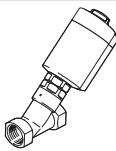
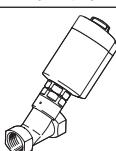
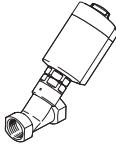
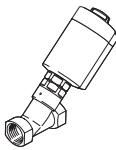
Angle seat valves VZXA, with piston actuator

Data sheet

Ordering data

Characteristics:

- Control function closed via spring force, NC
- Without ATEX certification

| VZXA-A..., flow direction over the valve seat | Flow rate Kv [m³/h] | Pressure of medium [bar] | Weight [g] | Part no. | Type |
|--|------------------------|-----------------------------|---------------|----------|---|
| G thread to DIN ISO 228-1 | | | | | |
|  | DN13, 46 mm actuator | 6.6 | 0 ... 16 | 1775 | 8060513 VZXA-A-TS6-13-M2-V13T-16-K-46-17-PR-V4 |
| | DN20, 75 mm actuator | 14.5 | | 3155 | 8060514 VZXA-A-TS6-20-M2-V13T-16-K-75-20-PR-V4 |
| | DN25, 75 mm actuator | 21.5 | | 3395 | 8060515 VZXA-A-TS6-25-M2-V13T-16-K-75-20-PR-V4 |
| NPT thread to ANSI/ASME B 1.20.1 | | | | | |
|  | 1/2", 46 mm actuator | 6.6 | 0 ... 16 | 1775 | 8060520 VZXA-A-TS7-1/2"-M2-V14T-16-K-46-17-PR-V4 |
| | 3/4", 75 mm actuator | 14.5 | | 3155 | 8060521 VZXA-A-TS7-3/4"-M2-V14T-16-K-75-20-PR-V4 |
| | 1", 75 mm actuator | 21.5 | | 3395 | 8060522 VZXA-A-TS7-1"-M2-V14T-16-K-75-20-PR-V4 |
| VZXA-B..., flow direction under the valve seat | Flow rate Kv [m³/h] | Pressure of medium [bar] | Weight [g] | Part no. | Type |
| G thread to DIN ISO 228-1 | | | | | |
|  | DN13, 46 mm actuator | 6 | 0 ... 30 | 1830 | 8060527 VZXA-B-TS6-13-M2-V13T-30-K-46-17-V4 |
| | DN20, 46 mm actuator | 13.3 | 0 ... 12.8 | 1910 | 8060528 VZXA-B-TS6-20-M2-V13T-12.8-K-46-17-V4 |
| | DN20, 75 mm actuator | 13.5 | 0 ... 30 | 3360 | 8060529 VZXA-B-TS6-20-M2-V13T-30-K-75-20-V4 |
| | DN25, 46 mm actuator | 20.3 | 0 ... 8.3 | 2150 | 8060530 VZXA-B-TS6-25-M2-V13T-8.3-K-46-17-V4 |
| | DN25, 75 mm actuator | 22.6 | 0 ... 23 | 3600 | 8060531 VZXA-B-TS6-25-M2-V13T-23-K-75-20-V4 |
| | DN32, 46 mm actuator | 27.9 | 0 ... 4.4 | 2480 | 8060533 VZXA-B-TS6-32-M2-V13T-4.4-K-46-17-V4 |
| | DN32, 75 mm actuator | 30.3 | 0 ... 13.5 | 3930 | 8060534 VZXA-B-TS6-32-M2-V13T-13.5-K-75-20-V4 |
| | DN40, 75 mm actuator | 41.4 | 0 ... 9.3 | 4610 | 8060536 VZXA-B-TS6-40-M2-V13T-9.3-K-75-20-V4 |
| | DN50, 75 mm actuator | 50.1 | 0 ... 5.6 | 5430 | 8060538 VZXA-B-TS6-50-M2-V13T-5.6-K-75-20-V4 |
| NPT thread to ANSI/ASME B 1.20.1 | | | | | |
|  | 1/2", 46 mm actuator | 6 | 0 ... 30 | 1830 | 8060541 VZXA-B-TS7-1/2"-M2-V14T-30-K-46-17-V4 |
| | 3/4", 46 mm actuator | 13.3 | 0 ... 12.8 | 1910 | 8060542 VZXA-B-TS7-3/4"-M2-V14T-12.8-K-46-17-V4 |
| | 3/4", 75 mm actuator | 13.5 | 0 ... 30 | 3360 | 8060543 VZXA-B-TS7-3/4"-M2-V14T-30-K-75-20-V4 |
| | 1", 46 mm actuator | 20.3 | 0 ... 8.3 | 2150 | 8060544 VZXA-B-TS7-1"-M2-V14T-8.3-K-46-17-V4 |
| | 1", 75 mm actuator | 22.6 | 0 ... 23 | 3600 | 8060545 VZXA-B-TS7-1"-M2-V14T-23-K-75-20-V4 |
| | 1 1/4", 46 mm actuator | 27.9 | 0 ... 4.4 | 2480 | 8060547 VZXA-B-TS7-1 1/4"-M2-V14T-4.4-K-46-17-V4 |
| | 1 1/4", 75 mm actuator | 30.3 | 0 ... 13.5 | 3930 | 8060548 VZXA-B-TS7-1 1/4"-M2-V14T-13.5-K-75-20-V4 |
| | 1 1/2", 75 mm actuator | 41.4 | 0 ... 9.3 | 4610 | 8060550 VZXA-B-TS7-1 1/2"-M2-V14T-9.3-K-75-20-V4 |
| | 2", 75 mm actuator | 50.1 | 0 ... 5.6 | 5430 | 8060552 VZXA-B-TS7-2"-M2-V14T-5.6-K-75-20-V4 |

Data sheet



- Poppet valve with diaphragm actuator
- Line connection 1/2" ... 2 1/2", DN13 ... DN65
- Stroke 26 mm



General technical data

| Line connection | DN25, 1" | DN32, 1 1/4" | DN40, 1 1/2" | DN50, 2" | DN65, 2 1/2" | |
|-----------------------|--------------------------------------|---------------------|--|------------|--------------|--------------|
| Actuator size | [mm] | 90 | | | | |
| Stroke | [mm] | 26 | | | | |
| Flow rate Kv | VZXA-A-... VZXA-B-... | [m ³ /h] | – 23.6 | 35.4 49 | 47.4 68.5 | 77.4 77.9 |
| Design | Poppet valve with diaphragm actuator | | | | | |
| Actuation type | Pneumatic | | | | | |
| Type of mounting | In-line installation | | | | | |
| Mounting position | Any | | | | | |
| Valve function | 2/2 | | | | | |
| Pneumatic connection | Female thread G1/8 | | | | | |
| Flow direction | Non-reversible | | | | | |
| Reset method | Mechanical spring | | | | | |
| Type of control | Externally controlled | | | | | |
| Position sensing | Via mechanical indicator | | | | | |
| Control of the medium | On/off operation | | | | | |
| Control function | VZXA-A-... VZXA-B-... | – | Closed via reduced spring force, NC Closed via spring force, NC | | | |
| Flow direction | VZXA-A-... VZXA-B-... | – | Over the valve seat, for gaseous media Under the valve seat, for gaseous and liquid media | | | |

Data sheet

| Operating and environmental conditions | | |
|--|----------------------|--|
| Operating pressure ¹⁾ | [bar] | 5 ... 7 |
| Ambient temperature | [°C] | 0 ... +60 |
| Temperature of medium ²⁾ | [°C] | -10 ... +180 |
| Storage temperature | [°C] | -10 ... +60 |
| CE marking (see declaration of conformity) ³⁾ | | To EU Machinery Directive |
| Certification | | CRN |
| Certificate issuing authority | | CRNOC20829.5C |
| Degree of protection | | IP65 IP67 IP69K |
| Max. viscosity | [mm ² /s] | 600 |
| Medium | | Vapour Inert gases Filtered compressed air, grade of filtration 200 µm |
| VZXA-B-... additionally | | Mineral oil-based hydraulic fluid Mineral oil Water Neutral fluids |
| Operating medium | | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Safety Integrity Level (SIL) | | SIL 2 |
| PFH | | 0.00000014 |
| PFD | | 0.000595 |
| Certificate issuing authority | | German Technical Control Board (TÜV) 968/V 1039.0 0/18 |

1) See table "pressure of medium and operating pressure" for control function

2) Temperature of medium -30 ... +200°C only possible in conjunction with modified PTFE seat seal (see modular product system)

3) Additional information is available at www.festo.com/sp → Certificates.

| ATEX ¹⁾ | |
|--------------------------------------|----------------------|
| ATEX category for gas | II 2G |
| Type of ignition protection for gas | c T6 ... T3 X |
| ATEX category for dust | II 2D |
| Type of ignition protection for dust | c T80°C ... T200°C X |
| Explosion-proof ambient temperature | [°C] |
| | 0 °C ≤ Ta ≤ +60°C |

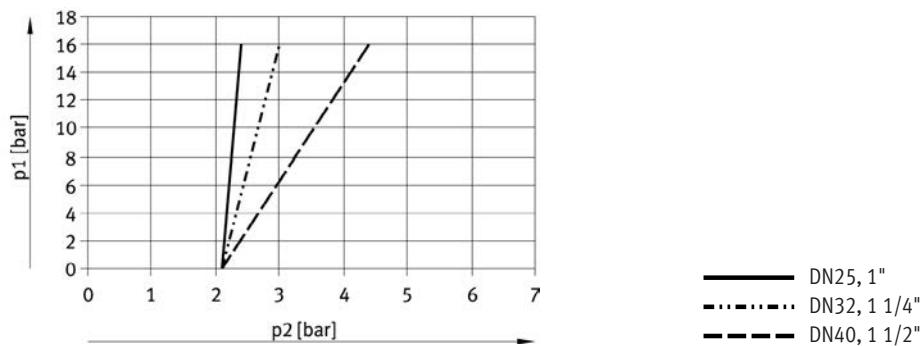
1) Selected types → www.festo.com

Data sheet

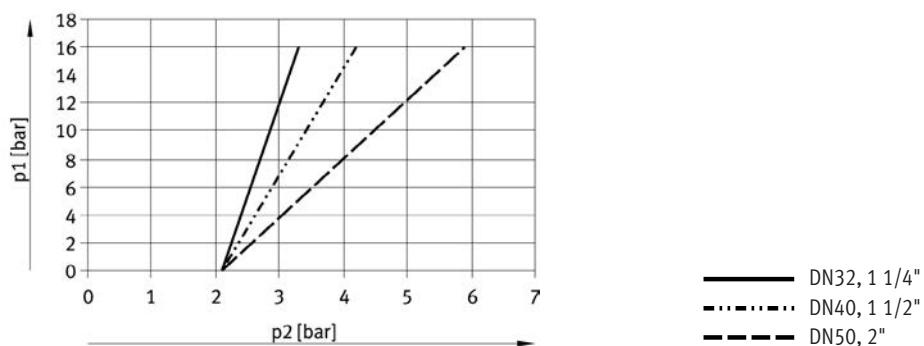
| Materials | Material number | |
|--------------------|--|----------------|
| Piston rod | High-alloy stainless steel | |
| Cover | Stainless steel casting | |
| Seals | NBR | |
| Spindle seal | PTFE | |
| Seat seal | PTFE | |
| Actuator housing | Stainless steel casting | 1.4408 |
| Angle seat housing | Stainless steel casting | 1.4409 |
| | | ASTM A351-CF3M |
| Note on materials | Contains paint-wetting impairment substances RoHS-compliant | |

| Permissible operating pressure as a function of pressure of medium for control function NC, VZXA-B-... | | |
|--|-------------------------------|-------------------------------|
| | Min. operating pressure [bar] | Max. pressure of medium [bar] |
| Actuator size | 90 mm | |
| DN25, 1" | 5 | 30 |
| DN32, 1 1/4" | 5 | 25 |
| DN40, 1 1/2" | 5 | 16 |
| DN50, 2" | 5 | 10 |

Pressure of medium p1 and operating pressure p2 for control function NC with reduced spring force, VZXA-A-...-PR (flow direction under the valve seat)
Diaphragm actuator size 90 mm



Pressure of medium p1 and operating pressure p2 for control function NO, opened via spring force, VZXA-B-...-S (flow direction under the valve seat)
Diaphragm actuator size 90 mm



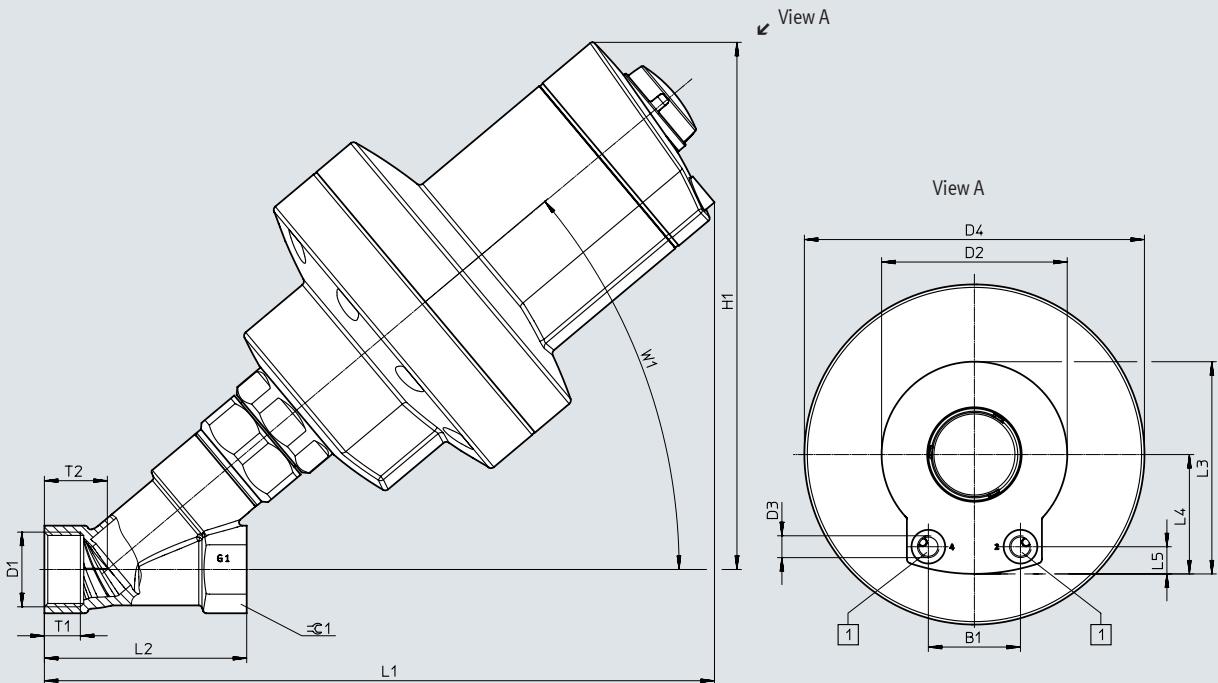
Angle seat valves VZXA, with diaphragm actuator

Data sheet

Dimensions

Size 90 mm

Download CAD data → www.festo.com



[1] Pneumatic connection

| Type | B1 | D1 | | | D2 | D3 | D4 | H1 | L1 | L2 |
|-----------------------------|----|--------|-----------|---------|------|------|-------|-----|-----|-----|
| | | S6 | S7 | S13 | | | | | | |
| VZXA-A...-32...-16...-PR... | 41 | G1 1/4 | 1 1/4 NPT | Rc1 1/4 | 82.6 | G1/8 | 151.3 | 245 | 300 | 110 |
| VZXA-A...-40...-16...-PR... | 41 | G1 1/2 | 1 1/2 NPT | Rc1 1/2 | 82.6 | G1/8 | 151.3 | 263 | 322 | 120 |
| VZXA-A...-50...-16...-PR... | 41 | G2 | 2 NPT | Rc2 | 82.6 | G1/8 | 151.3 | 260 | 340 | 150 |
| VZXA-A...-65...-8...-PR... | 41 | G2 1/2 | 2 1/2 NPT | Rc2 1/2 | 82.6 | G1/8 | 151.3 | 273 | 366 | 190 |
| VZXA-B...-25...-30... | 41 | G1 | 1 NPT | Rc1 | 82.6 | G1/8 | 151.3 | 238 | 298 | 90 |
| VZXA-B...-32...-25... | 41 | G1 1/4 | 1 1/4 NPT | Rc1 1/4 | 82.6 | G1/8 | 151.3 | 245 | 300 | 110 |
| VZXA-B...-40...-16... | 41 | G1 1/2 | 1 1/2 NPT | Rc1 1/2 | 82.6 | G1/8 | 151.3 | 263 | 322 | 120 |
| VZXA-B...-50...-10... | 41 | G2 | 2 NPT | Rc2 | 82.6 | G1/8 | 151.3 | 260 | 340 | 150 |

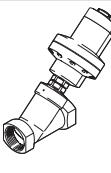
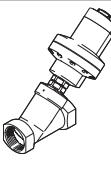
| Type | L3 | L4 | L5 | T1 | | | T2 | W1 | =G1 |
|-----------------------------|------|------|------|----|------|------|----|----|-----|
| | | | | S6 | S7 | S13 | | | |
| VZXA-A...-32...-16...-PR... | 94.4 | 53.1 | 12.1 | 20 | 17.3 | 19.1 | 36 | 42 | 50 |
| VZXA-A...-40...-16...-PR... | 94.4 | 53.1 | 12.1 | 22 | 17.3 | 19.1 | 38 | 42 | 55 |
| VZXA-A...-50...-16...-PR... | 94.4 | 53.1 | 12.1 | 24 | 17.6 | 23.4 | 43 | 40 | 65 |
| VZXA-A...-65...-8...-PR... | 94.4 | 53.1 | 12.1 | 27 | 24 | 27 | 53 | 40 | 85 |
| VZXA-B...-25...-30... | 94.4 | 53.1 | 12.1 | 16 | 16.8 | 16.8 | 28 | 40 | 41 |
| VZXA-B...-32...-25... | 94.4 | 53.1 | 12.1 | 20 | 17.3 | 19.1 | 36 | 42 | 50 |
| VZXA-B...-40...-16... | 94.4 | 53.1 | 12.1 | 22 | 17.3 | 19.1 | 38 | 42 | 55 |
| VZXA-B...-50...-10... | 94.4 | 53.1 | 12.1 | 24 | 17.6 | 23.4 | 43 | 40 | 65 |
| VZXA-B...-65...-5.6... | 94.4 | 53.1 | 12.1 | 27 | 24 | 27 | 53 | 40 | 85 |

Data sheet

Ordering data

Characteristics:

- Control function closed via spring force, NC
- Without ATEX certification

| VZXA-A..., flow direction over the valve seat | Flow rate Kv [m³/h] | Pressure of medium [bar] | Weight [g] | Part no. | Type |
|---|------------------------|-----------------------------|---------------|----------|--|
| G thread to DIN ISO 228-1 | | | | | |
|  | DN32, 90 mm actuator | 35.4 | 0 ... 16 | 6595 | 8060516 VZXA-A-TS6-32-M2-V13T-16-M-90-26-PR-V4 |
| | DN40, 90 mm actuator | 47.4 | 0 ... 16 | 7275 | 8060517 VZXA-A-TS6-40-M2-V13T-16-M-90-26-PR-V4 |
| | DN50, 90 mm actuator | 68.5 | 0 ... 16 | 8095 | 8060518 VZXA-A-TS6-50-M2-V13T-16-M-90-26-PR-V4 |
| | DN65, 90 mm actuator | 77.4 | 0 ... 8 | 10185 | 8060519 VZXA-A-TS6-65-M2-V13T-8-M-90-26-PR-V4 |
| NPT thread to ANSI/ASME B 1.20.1 | | | | | |
|  | 1 1/4", 90 mm actuator | 35.4 | 0 ... 16 | 6595 | 8060523 VZXA-A-TS7-1 1/4"-M2-V14T-16-M-90-26-PR-V4 |
| | 1 1/2", 90 mm actuator | 47.4 | 0 ... 16 | 7275 | 8060524 VZXA-A-TS7-1 1/2"-M2-V14T-16-M-90-26-PR-V4 |
| | 2", 90 mm actuator | 68.5 | 0 ... 16 | 8095 | 8060525 VZXA-A-TS7-2"-M2-V14T-16-M-90-26-PR-V4 |
| | 2 1/2", 90 mm actuator | 77.4 | 0 ... 8 | 10185 | 8060526 VZXA-A-TS7-2 1/2"-M2-V14T-8-M-90-26-PR-V4 |
| VZXA-B..., flow direction under the valve seat | Flow rate Kv [m³/h] | Pressure of medium [bar] | Weight [g] | Part no. | Type |
| G thread to DIN ISO 228-1 | | | | | |
|  | DN25, 90 mm actuator | 23.6 | 0 ... 30 | 6780 | 8060532 VZXA-B-TS6-25-M2-V13T-30-M-90-26-V4 |
| | DN32, 90 mm actuator | 33.1 | 0 ... 25 | 7110 | 8060535 VZXA-B-TS6-32-M2-V13T-25-M-90-26-V4 |
| | DN40, 90 mm actuator | 49 | 0 ... 16 | 7790 | 8060537 VZXA-B-TS6-40-M2-V13T-16-M-90-26-V4 |
| | DN50, 90 mm actuator | 60.4 | 0 ... 10 | 8610 | 8060539 VZXA-B-TS6-50-M2-V13T-10-M-90-26-V4 |
| | DN65, 90 mm actuator | 77.9 | 0 ... 5.6 | 10700 | 8060540 VZXA-B-TS6-65-M2-V13T-5.6-M-90-26-V4 |
| NPT thread to ANSI/ASME B 1.20.1 | | | | | |
|  | 1", 90 mm actuator | 23.6 | 0 ... 30 | 6780 | 8060546 VZXA-B-TS7-1"-M2-V14T-30-M-90-26-V4 |
| | 1 1/4", 90 mm actuator | 33.1 | 0 ... 25 | 7110 | 8060549 VZXA-B-TS7-1 1/4"-M2-V14T-25-M-90-26-V4 |
| | 1 1/2", 90 mm actuator | 49 | 0 ... 16 | 7790 | 8060551 VZXA-B-TS7-1 1/2"-M2-V14T-16-M-90-26-V4 |
| | 2", 90 mm actuator | 60.4 | 0 ... 10 | 8610 | 8060553 VZXA-B-TS7-2"-M2-V14T-10-M-90-26-V4 |
| | 2 1/2", 90 mm actuator | 77.9 | 0 ... 5.6 | 10700 | 8060554 VZXA-B-TS7-2 1/2"-M2-V14T-5.6-M-90-26-V4 |

Angle seat valves VZXA

Ordering data – Modular product system

| Ordering table | | Conditions | Code | Enter code |
|-----------------------------|--|------------|----------------|------------|
| VZXA... | | | | |
| Module no. | 3539410 | | | |
| Product type | VZXA | | VZXA | |
| Flow direction | Over the valve seat, for gaseous media | | -A | |
| | Under the valve seat, for gaseous and liquid media | | -B | |
| Control of the medium | On/off operation | | | |
| Line connection | Threaded collar | | -T | |
| Connection standard | DIN ISO 228-1 | | S6 | |
| | ANSI/ASME B 1.20.1 | | S7 | |
| | DIN 10226-2 | | S13 | |
| Connection size | DN13 | [4] | -13 | |
| | DN20 | [4] | -20 | |
| | DN25 | [4] | -25 | |
| | DN32 | [4] | -32 | |
| | DN40 | [4] | -40 | |
| | DN50 | [4] | -50 | |
| | DN65 | [4] | -65 | |
| | 1/2" | [1] | -1 1/2" | |
| | 3/4" | [1] | -3/4" | |
| | 1" | [1] | -1" | |
| | 1 1/4" | [1] | -1 1/4" | |
| | 1 1/2" | [1] | -1 1/2" | |
| | 2" | [1] | -2" | |
| | 2 1/2" | [1] | -2 1/2" | |
| Temperature of medium [°C] | -10 ... +180 | | -M2 | |
| | -30 ... +200 | | -M3 | |
| Angle seat housing material | Stainless steel 1.4409 | [2] | -V13 | |
| | Stainless steel ASTM A351-CF3M | [3] | -V14 | |
| Seat seal material | PTFE | | T | |
| | Modified PTFE | [5] | TP | |

[1] 1/2",3/4",1",1 1/4",1 1/2",2",2 1/2"

Not with connection standard S6, S13

[2] V13

Not with imperial connection size

[3] V14

Not with metric connection size

[4] DN13, DN20, DN25, DN32, DN40, DN50, DN65

Not with connection standard S7

[5] TP

Only with M3 temperature of medium

Ordering data – Modular product system

| Ordering table | | Conditions | Code | Enter code |
|---------------------------|-------------------------------------|------------|----------|------------|
| VZXA... | | | | |
| Pressure of medium | [bar] | 0 ... 4 | [6] | -4 |
| | [bar] | 0 ... 4.4 | [6] | -4.4 |
| | [bar] | 0 ... 4.8 | [6] | -4.8 |
| | [bar] | 0 ... 5.6 | [6] | -5.6 |
| | [bar] | 0 ... 5.8 | [6] | -5.8 |
| | [bar] | 0 ... 6 | [6] | -6 |
| | [bar] | 0 ... 6.2 | [6] | -6.2 |
| | [bar] | 0 ... 6.8 | [7] | -6.8 |
| | [bar] | 0 ... 7.5 | [6] | -7.5 |
| | [bar] | 0 ... 8 | [7] | -8 |
| | [bar] | 0 ... 8.3 | [6] | -8.3 |
| | [bar] | 0 ... 9.3 | [6] | -9.3 |
| | [bar] | 0 ... 10 | [6] | -10 |
| | [bar] | 0 ... 11.5 | [6] | -11.5 |
| | [bar] | 0 ... 12.2 | [6] | -12.2 |
| | [bar] | 0 ... 12.8 | [6] | -12.8 |
| | [bar] | 0 ... 13.5 | [6] | -13.5 |
| | [bar] | 0 ... 14.5 | [6] | -14.5 |
| | [bar] | 0 ... 15.5 | [7] | -15.5 |
| | [bar] | 0 ... 16 | | -16 |
| | [bar] | 0 ... 23 | [8], [6] | -23 |
| | [bar] | 0 ... 25 | [8], [6] | -25 |
| | [bar] | 0 ... 30 | [9], [6] | -30 |
| Actuator | Piston actuator | | | -K |
| | Diaphragm actuator | | | -M |
| Actuator size | [mm] | 46 | [14] | -46 |
| | [mm] | 75 | [14] | -75 |
| | [mm] | 90 | [15] | -90 |
| Stroke | [mm] | 17 | [10] | -17 |
| | [mm] | 20 | [11] | -20 |
| | [mm] | 26 | [12] | -26 |
| Control function | Closed via spring force, NC | | | |
| | Double-acting | | [14] | -D |
| | Opened via spring force, NO | | | -S |
| | Closed via reduced spring force, NC | | [13] | -PR |
| Position sensing | Via mechanical indicator | | | |
| Actuator housing material | Stainless steel 1.4408 | | | -V4 |
| EU certification | None | | | |
| | II 2GD | | | -EX4 |

[6] 4 ... 6.2, 7.5, 8.3, 9.3, 11.5 ... 14.5, 23 ... 30

Not in conjunction with flow direction A

[7] 6.8, 8, 15.5

Not in conjunction with flow direction B

[8] 18, 20, 23, 25

Not with connection size DN65, 2 1/2", DN50, 2", DN40, 1 1/2" or flow direction A

[9] 30

Not with connection size DN65, 2 1/2", DN50, 2", DN40, 1 1/2", DN32, 1 1/4" or flow direction A

[10] Stroke 17

Only with actuator K and size 46

[11] Stroke 20

Only with actuator K and size 75

[12] Stroke 26

Only with actuator M

[13] Control function PR

Must be in conjunction with flow direction A

[14] Control function D, S

Must be in conjunction with flow direction B

[15] Size 90

Not with actuator K

Accessories

Piston actuator DFPK

- Actuator sizes
46 mm with 17 mm stroke
75 mm with 20 mm stroke



General technical data

| | |
|------------------------|-------------------------------------|
| Size of valve actuator | 46 |
| | 75 |
| Stroke [mm] | 17 |
| | 20 |
| Mounting position | Any |
| Position sensing | Via mechanical indicator |
| Control function | Closed via spring force, NC |
| | Closed via reduced spring force, NC |
| | Opened via spring force, NO |
| | Double-acting |
| Pneumatic connection | Female thread G1/8 |

Operating and environmental conditions

| | |
|--------------------------|---|
| Operating pressure [bar] | 5 ... 10 |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Ambient temperature [°C] | 0 ... 60 |
| Storage temperature [°C] | -10 ... +60 |
| Degree of protection | IP65 |
| | IP67 |
| | IP69K |

ATEX

| | |
|--|-----------------------------|
| ATEX category for gas | II 2G |
| Type of ignition protection for gas | Ex h IIC T6...T4 Gb |
| ATEX category for dust | II 2D |
| Type of ignition protection for dust | Ex h IIIC T80°C...T120°C Db |
| Explosion-proof ambient temperature [°C] | 0°C <= Ta <= +60°C |

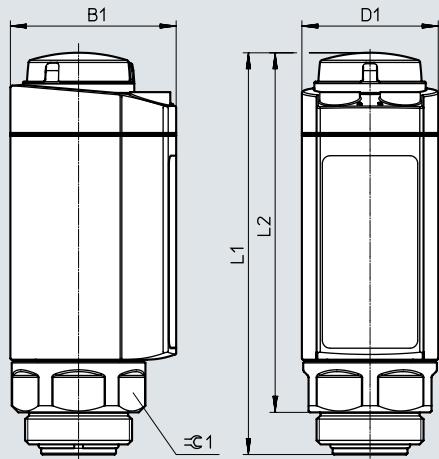
| Materials | Material number |
|-------------------|--|
| Housing | Stainless steel casting |
| Piston rod | High-alloy stainless steel |
| Cover | Stainless steel casting |
| Seals | FPM |
| Note on materials | Contains paint-wetting impairment substances RoHS-compliant |

Note

For characteristic values of the respective medium or operating pressures, see page → 9

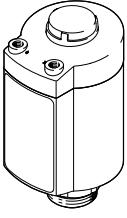
Accessories

Dimensions

Download CAD data → www.festo.com

| | B1 | D1 ∅ | L1 | L2 | =C1 |
|------------------|------|---------|-------|-------|-----|
| DFPK-46-17-V4 | | | | | |
| DFPK-46-17-PR-V4 | | | | | |
| DFPK-46-17-S-V4 | | | | | |
| DFPK-46-17-D-V4 | | | | | |
| DFPK-75-20-V4 | | | | | |
| DFPK-75-20-PR-V4 | | | | | |
| DFPK-75-20-S-V4 | | | | | |
| DFPK-75-20-D-V4 | | | | | |
| | 62 | 51 | 150.3 | 134.5 | 46 |
| | 94.4 | 82.5 | 181 | 165.2 | |

Ordering data

| | Control function | Product weight [g] | Part no. | Type |
|---|-------------------------------------|-----------------------|----------|------------------|
|  | Closed via spring force, NC | 1298 | 8083959 | DFPK-46-17-V4 |
| | Closed via reduced spring force, NC | 1243 | 8083960 | DFPK-46-17-PR-V4 |
| | Opened via spring force, NO | 1243 | 8083961 | DFPK-46-17-S-V4 |
| | Double-acting | 1210 | 8083962 | DFPK-46-17-D-V4 |
| | Closed via spring force, NC | 2746 | 8083963 | DFPK-75-20-V4 |
| | Closed via reduced spring force, NC | 2539 | 8083964 | DFPK-75-20-PR-V4 |
| | Opened via spring force, NO | 2539 | 8083965 | DFPK-75-20-S-V4 |
| | Double-acting | 2412 | 8083966 | DFPK-75-20-D-V4 |

 - Note

The cover kit VAVC can be combined in conjunction with the piston actuator DFPK to form a valve block solution. In this case, the cover kits are installed together with the actuators in a valve block.

The valve block acts as a valve housing and must be manufactured individually. Requirements and dimensions for manufacturing can be found at → www.festo.com/sp (Expert knowledge)

Accessories

Cover kit VAVC

- Nominal width DN 13 ... 50



General technical data

| | |
|-------------------|-----|
| Nominal width DN | 13 |
| | 20 |
| | 25 |
| | 32 |
| | 40 |
| | 50 |
| Mounting position | Any |

Operating and environmental conditions

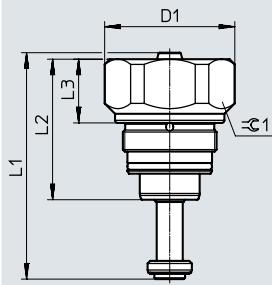
| | |
|----------------------------|---|
| Medium | Vapour Mineral oil-based hydraulic fluid Inert gases Mineral oil Water Filtered compressed air, grade of filtration 200 µm Neutral fluids |
| Note on the medium | Gaseous media are only permitted with inflow over the valve seat |
| Temperature of medium [°C] | -30 ... +200 |
| Ambient temperature [°C] | 0 ... 60 |
| Storage temperature [°C] | -10 ... +60 |

Materials

| | |
|-------------------|--|
| Cover | High-alloy stainless steel |
| Spindle seal | PTFE |
| Seat seal | Modified PTFE |
| Note on materials | Contains paint-wetting impairment substances RoHS-compliant |

Accessories

Dimensions

Download CAD data → www.festo.com

| | D1 ∅ | L1 | L2 | L3 | =C1 |
|--------------------|---------|-------|------|------|-----|
| VAVC-F12-SCC-13-TP | 50 | 87 | 54 | 24.5 | 46 |
| VAVC-F12-SCC-20-TP | | 85.6 | | | |
| VAVC-F12-SCC-25-TP | | 94.4 | | | |
| VAVC-F12-SCC-32-TP | | 94.4 | | 17 | |
| VAVC-F12-SCC-40-TP | 55 | 121.5 | 80.1 | 32.2 | |
| VAVC-F12-SCC-50-TP | 67.5 | 129.7 | 85.9 | 21.5 | |

Ordering data

| | Nominal width DN | Product weight [g] | Part no. | Type |
|--|------------------|-----------------------|----------|--------------------|
| | 13 | 358 | 8084035 | VAVC-F12-SCC-13-TP |
| | 20 | 363 | 8084036 | VAVC-F12-SCC-20-TP |
| | 25 | 385 | 8084042 | VAVC-F12-SCC-25-TP |
| | 32 | 424 | 8084034 | VAVC-F12-SCC-32-TP |
| | 40 | 846 | 8084032 | VAVC-F12-SCC-40-TP |
| | 50 | 1180 | 8084045 | VAVC-F12-SCC-50-TP |

Note

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→ www.festo.com/sp (Expert knowledge)

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