



VVF42..
VVF42..K



VXF42..

ACVATIX™

2- and 3-port valves with flanged connections, PN 16

**VVF42..
VVF42..K
VXF42..**

From the large-stroke valve line


- Performance valves for medium temperatures from -10...150 °C
- Valve body of grey cast iron EN-GJL-250
- DN 15...150
- k_{vs} 1.6...400 m³/h
- Flange type 21, flange design B
- VVF42..K with pressure compensation to handle high differential pressure
- Equipable with electro-motoric actuators SAX.. or electro-hydraulic actuators SKD.., SKB.., SKC..

Use

In boiler, district heating and refrigeration plants, cooling towers, heating groups, in ventilation and air-handling units as control or shutoff valves.

For use in closed hydraulic circuits (observe cavitation).


Type summary

| Valves | Actuators Stroke Positioning force Data sheet | | | | SAX.. ¹⁾ | | SKD.. | | SKB.. | | SKC.. | | |
|---|--|-----|--|----------------|---------------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|---|
| | | | | | 20 mm | | 40 mm | | 40 mm | | | | |
| PN 16 | | | | | 800 N | | 1000 N | | 2800 N | | 2800 N | | |
|  | | | | | N4501 | | N4561 | | N4564 | | N4566 | | |
| -10...150 °C | Stock number | DN | k _{vs} [m ³ /h] | S _V | Δp _s | Δp _{max} | Δp _s | Δp _{max} | Δp _s | Δp _{max} | Δp _s | Δp _{max} | |
| | | | | | [kPa] | | | | | | | | |
| VVF42.15-1.6 | S55204-V100 | 15 | 1.6 | > 50 | 1600 | 400 | 1600 | 400 | 1600 | 400 | | | |
| VVF42.15-2.5 | S55204-V101 | 15 | 2.5 | | | | | | | | | | |
| VVF42.15-4 | S55204-V102 | 15 | 4 | | | | | | | | | | |
| VVF42.20-6.3 | S55204-V103 | 20 | 6.3 | | | | | | | | | | |
| VVF42.25-6.3 | S55204-V104 | 25 | 6.3 | | | | | | | | | | |
| VVF42.25-10 | S55204-V105 | 25 | 10 | | | | | | | | | | |
| VVF42.32-16 | S55204-V106 | 32 | 16 | | | | | | | | | | |
| VVF42.40-16 | S55204-V107 | 40 | 16 | | | | | | | | | | |
| VVF42.40-25 | S55204-V108 | 40 | 25 | | | | | | | | | | |
| VVF42.50-31.5 | S55204-V109 | 50 | 31.5 | | | | | | | | | | |
| VVF42.50-40 | S55204-V110 | 50 | 40 | > 100 | 900 | 300 | 450 | 200 | 700 | 400 | - | - | |
| VVF42.65-50 | S55204-V111 | 65 | 50 | | | | | | | | | | |
| VVF42.65-63 | S55204-V112 | 65 | 63 | | | | | | | | | | |
| VVF42.80-80 | S55204-V113 | 80 | 80 | | | | | | | | | | |
| VVF42.80-100 ²⁾ | S55204-V114 | 80 | 100 | | | | | | | | | | |
| VVF42.100-125 | S55204-V115 | 100 | 125 | | | | | | | | | | |
| VVF42.100-160 ²⁾ | S55204-V116 | 100 | 160 | | | | | | | | | | |
| VVF42.125-200 | S55204-V117 | 125 | 200 | | | | | | | | | | |
| VVF42.125-250 | S55204-V118 | 125 | 250 | | | | | | | | | | |
| VVF42.150-315 | S55204-V119 | 150 | 315 | | | | | | | | | | |
| VVF42.150-400 ²⁾ | S55204-V120 | 150 | 400 | | | | | | | | | | |
| -5...150 °C | | | | | > 100 | 1600 | 400 | 1600 | 400 | 1600 | 400 | - | - |
| VVF42.50-40K ³⁾ | S55204-V121 | 50 | 40 | | | | | | | | | | |
| VVF42.65-63K ³⁾ | S55204-V122 | 65 | 63 | | | | | | | | | | |
| VVF42.80-100K ³⁾ | S55204-V123 | 80 | 100 | | | | | | | | | | |
| VVF42.100-160K ³⁾ | S55204-V124 | 100 | 160 | | | | | | | | | | |
| VVF42.125-250K ³⁾ | S55204-V125 | 125 | 250 | | | | | | | | | | |
| VVF42.150-360K | S55204-V126 | 150 | 360 | | | | | | | | 1600 | 400 | |

¹⁾ Suitable for medium temperatures up to 130 °C

²⁾ Valve characteristic for k_{vs} value 100 m³/h from 70% stroke, k_{vs} value 160 m³/h from 85% stroke and k_{vs} value 400 m³/h from 90% stroke is optimized for maximum volumetric flow

³⁾ Valve characteristics for pressure compensated valves for k_{vs} value 100 m³/h from 70% stroke, k_{vs} value 40, 160 and 250 m³/h from 80% stroke and k_{vs} value 63 m³/h from 90% stroke is optimized for maximum volumetric flow.

| Valves | Actuators | | | | SAX.. ¹⁾ | SKD.. | SKB.. | SKC.. | | | | |
|---|-------------------|-----|--|----------------|----------------------------|-----------|----------|-----------|----------|-----------|----------|-----------|
| | Stroke | | | | 20 mm | | | | 40 mm | | | |
| PN 16 | Positioning force | | | | 800 N | 1000 N | 2800 N | 2800 N | | | | |
| | Data sheet | | | | N4501 | N4561 | N4564 | N4566 | | | | |
|  | Stock number | DN | k _{vs} [m ³ /h] | S _v | Δp _{max} [kPa] | | | | | | | |
| | | | | | A→B B | AB→A B | A→B B | AB→A B | A→B B | AB→A B | A→B B | AB→A B |
| -10...150 °C | | | | | | | | | | | | |
| VXF42.15-1.6 | S55204-V127 | 15 | 1.6 | > 50 | 400 | 100 | 400 | 100 | 400 | 100 | - | - |
| VXF42.15-2.5 | S55204-V128 | 15 | 2.5 | | | | | | | | | |
| VXF42.15-4 | S55204-V129 | 15 | 4 | | | | | | | | | |
| VXF42.20-6.3 | S55204-V130 | 20 | 6.3 | | | | | | | | | |
| VXF42.25-6.3 | S55204-V131 | 25 | 6.3 | | | | | | | | | |
| VXF42.25-10 | S55204-V132 | 25 | 10 | | | | | | | | | |
| VXF42.32-16 | S55204-V133 | 32 | 16 | | | | | | | | | |
| VXF42.40-16 | S55204-V134 | 40 | 16 | > 100 | 300 | 50 | 200 | 80 | - | - | | |
| VXF42.40-25 | S55204-V135 | 40 | 25 | | | | | | | | | |
| VXF42.50-31.5 | S55204-V136 | 50 | 31.5 | | | | | | | | | |
| VXF42.50-40 | S55204-V137 | 50 | 40 | | | | | | | | | |
| VXF42.65-50 | S55204-V138 | 65 | 50 | | | | | | | | | |
| VXF42.65-63 | S55204-V139 | 65 | 63 | | | | | | | | | |
| VXF42.80-80 | S55204-V140 | 80 | 80 | | | | | | | | | |
| VXF42.80-100 ²⁾ | S55204-V141 | 80 | 100 | | | | | | | | | |
| VXF42.100-125 | S55204-V142 | 100 | 125 | | | | | | | | | |
| VXF42.100-160 ²⁾ | S55204-V143 | 100 | 160 | | | | | | | | | |
| VXF42.125-200 | S55204-V144 | 125 | 200 | - | - | - | - | - | - | 250 | 50 | |
| VXF42.125-250 | S55204-V145 | 125 | 250 | | | | | | | | | |
| VXF42.150-315 | S55204-V146 | 150 | 315 | | | | | | | | | |
| VXF42.150-400 ²⁾ | S55204-V147 | 150 | 400 | | | | | | | | | |

¹⁾ Suitable for medium temperatures up to 130 °C

²⁾ Valve characteristic for k_{vs} value 100 m³/h from 70% stroke, k_{vs} value 160 m³/h from 85% stroke and k_{vs} value 400 m³/h from 90% stroke is optimized for maximum volumetric flow

DN = Nominal size

k_{vs} = Flow nominal value of cold water (5...30 °C) through the fully opened valve (H₁₀₀) at a differential pressure of 100 kPa (1 bar)

S_v = Rangeability

Δp_s = Maximum permissible differential pressure at which the motorized valve still closes securely against the pressure

Δp_{max} = Maximum permissible differential pressure across the valve's throughport for the entire positioning range of the motorized valve

Ordering

Example

| Product number | Stock number | Description |
|----------------|--------------|---------------------------------|
| VXF42.65-63 | S55204-V139 | 3-port valve with flange, PN 16 |
| SKD32.50 | SKD32.50 | Electro-hydraulic actuator |

Delivery

Valves, actuators and accessories are packed and delivered as separate items.

Note

Counter-flanges, bolts and gaskets must be provided on site.

Spare parts, Rev.-No.

See page 14

Equipment combinations

| Product number | Description | Stroke | Positioning force | Operating voltage | Positioning signal | Spring return time | Positioning time | LED | Manual adjuster | Auxiliary functions | | | | |
|----------------|------------------|------------|-------------------|--------------------|-------------------------------------|--------------------|--------------------------------|---------------------------------|------------------------------|------------------------------|------------------------------|----|-------|-------|
| SAX31.00 | S55150-A105 | 20 mm | 800 N | AC 230 V | 3-position | - | 120 s | - | Press and fix | 1) | | | | |
| SAX31.03 | S55150-A106 | | | | | | 30 s | ✓ | | | | | | |
| SAX61.03 | S55150-A100 | | | AC 24 V DC 24 V | 0...10 V 4...20 mA 0...1000 Ω | | 120 s | - | | 1) | | | | |
| SAX81.00 | S55150-A102 | | | | | | 3-position | | | | 30 s | | | |
| SAX81.03 | S55150-A103 | | | | | | 3-position | | | | 30 s | | | |
| SAX81.03U | S55150-A103-A100 | | | | | | | | | | | | | |
| SKD32.21 | SKD32.21 | 20 mm | 1000 N | AC 230 V | 3-position | 8 s | Opening: 30 s Closing: 10 s | - | Turn, Position is maintained | 1) | | | | |
| SKD32.50 | SKD32.50 | | | | | - | 120 s | - | | | | | | |
| SKD32.51 | SKD32.51 | | | | | 8 s | | | | | | | | |
| SKD60 | SKD60 | | | AC 24 V | 0...10 V 4...20 mA 0...1000 Ω | - | 15 s | Opening: 30 s Closing: 15 s | ✓ | Turn, Position is maintained | 2) | | | |
| SKD62 | SKD62 | | | | | 3-position | | | | | | - | 120 s | |
| SKD62U | SKD62U | | | | | | | | | | | | | 8 s |
| SKD62UA | SKD62UA | | | | | | | | | | | | | |
| SKD82.50 | SKD82.50 | | | 3-position | - | 120 s | - | 1) | | | | | | |
| SKD82.50U | SKD82.50U | | | | | | | | | | | | | |
| SKD82.51 | SKD82.51 | | | 3-position | - | 120 s | - | 1) | | | | | | |
| SKD82.51U | SKD82.51U | | | | | | | | | | | | | |
| SKB32.50 | SKB32.50 | 20 mm | 2800 N | AC 230 V | 3-position | - | 120 s | - | Turn, Position is maintained | 1) | | | | |
| SKB32.51 | SKB32.51 | | | | | 10 s | | | | | | | | |
| SKB60 | SKB60 | | | AC 24 V | 0...10 V 4...20 mA 0...1000 Ω | - | 10 s | Opening: 120 s Closing: 10 s | | ✓ | Turn, Position is maintained | 2) | | |
| SKB62 | SKB62 | | | | | 3-position | | | | | | | - | 120 s |
| SKB62U | SKB62U | | | | | | | | | | | | | |
| SKB62UA | SKB62UA | | | | | | | | | | | | | |
| SKB82.50 | SKB82.50 | | | 3-position | - | 120 s | - | 1) | | | | | | |
| SKB82.50U | SKB82.50U | | | | | | | | | | | | | |
| SKB82.51 | SKB82.51 | 3-position | - | 120 s | - | 1) | | | | | | | | |
| SKB82.51U | SKB82.51U | | | | | | | | | | | | | |
| SKC32.60 | SKC32.60 | 40 mm | 2800 N | AC 230 V | 3-position | - | 120 s | - | Turn, Position is maintained | 1) | | | | |
| SKC32.61 | SKC32.61 | | | | | 18 s | | | | | | | | |
| SKC60 | SKC60 | | | AC 24 V | 0...10 V 4...20 mA 0...1000 Ω | - | 20 s | Opening: 120 s Closing: 20 s | | ✓ | Turn, Position is maintained | 2) | | |
| SKC62 | SKC62 | | | | | 3-position | | | | | | | - | 120 s |
| SKC62U | SKC62U | | | | | | | | | | | | | |
| SKC62UA | SKC62UA | | | | | | | | | | | | | |
| SKC82.60 | SKC82.60 | | | 3-position | - | 120 s | - | 1) | | | | | | |
| SKC82.60U | SKC82.60U | | | | | | | | | | | | | |
| SKC82.61 | SKC82.61 | 3-position | - | 120 s | - | 1) | | | | | | | | |
| SKC82.61U | SKC82.61U | | | | | | | | | | | | | |

1) Auxiliary switch, potentiometer

2) Position feedback, forced control, selection of valve characteristic

3) Optional: sequence control, selection of acting direction

4) Plus sequence control, stroke limitation, and selection of acting direction

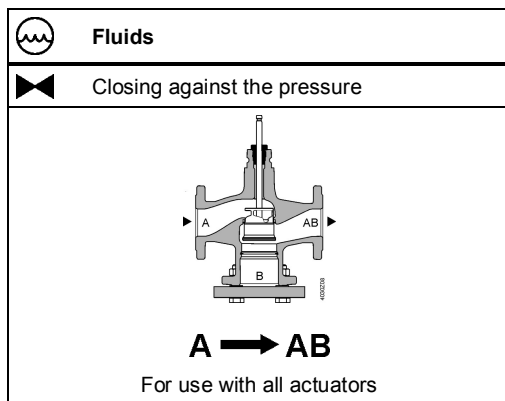
Product documentation

- Mounting Instructions M4030 74 319 0749 0
- Basic documentation P4030 Contains background information and technical basic knowledge of valves

Technical and mechanical design

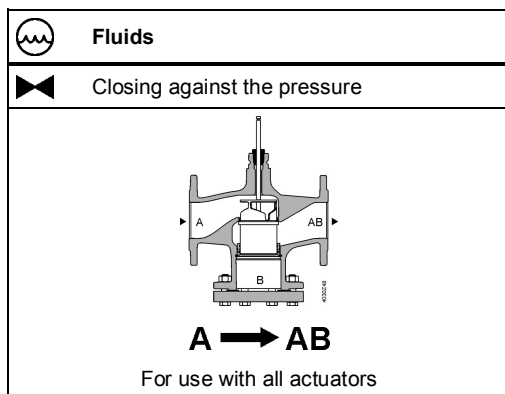
The illustrations below show the basic design of the valves. Constructional features, such as the shape of plugs, may differ.

2-port valves



2-port valves pressure compensated

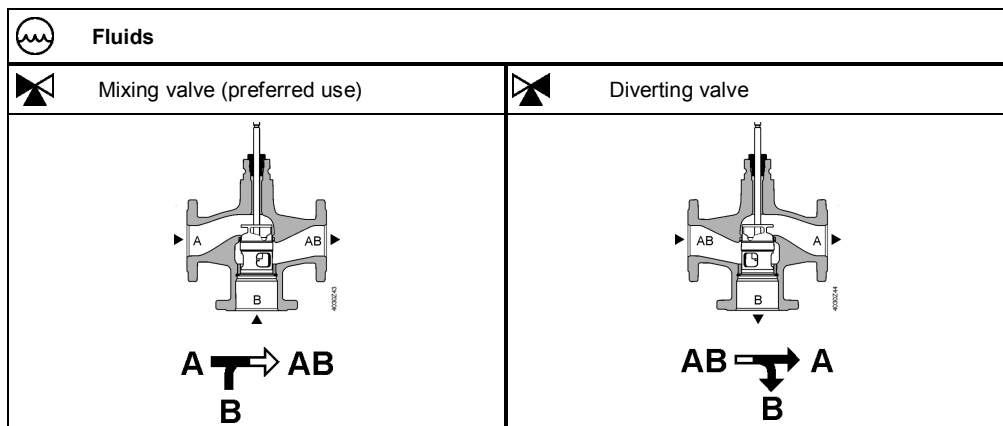
The VVF42..K valves use a pressure-compensated plug. This enables the same type of actuators to be used for the control of volumetric flow at higher differential pressures.




Note

2-port valves do not become 3-port valves by removing the blank flange!

3-port valves

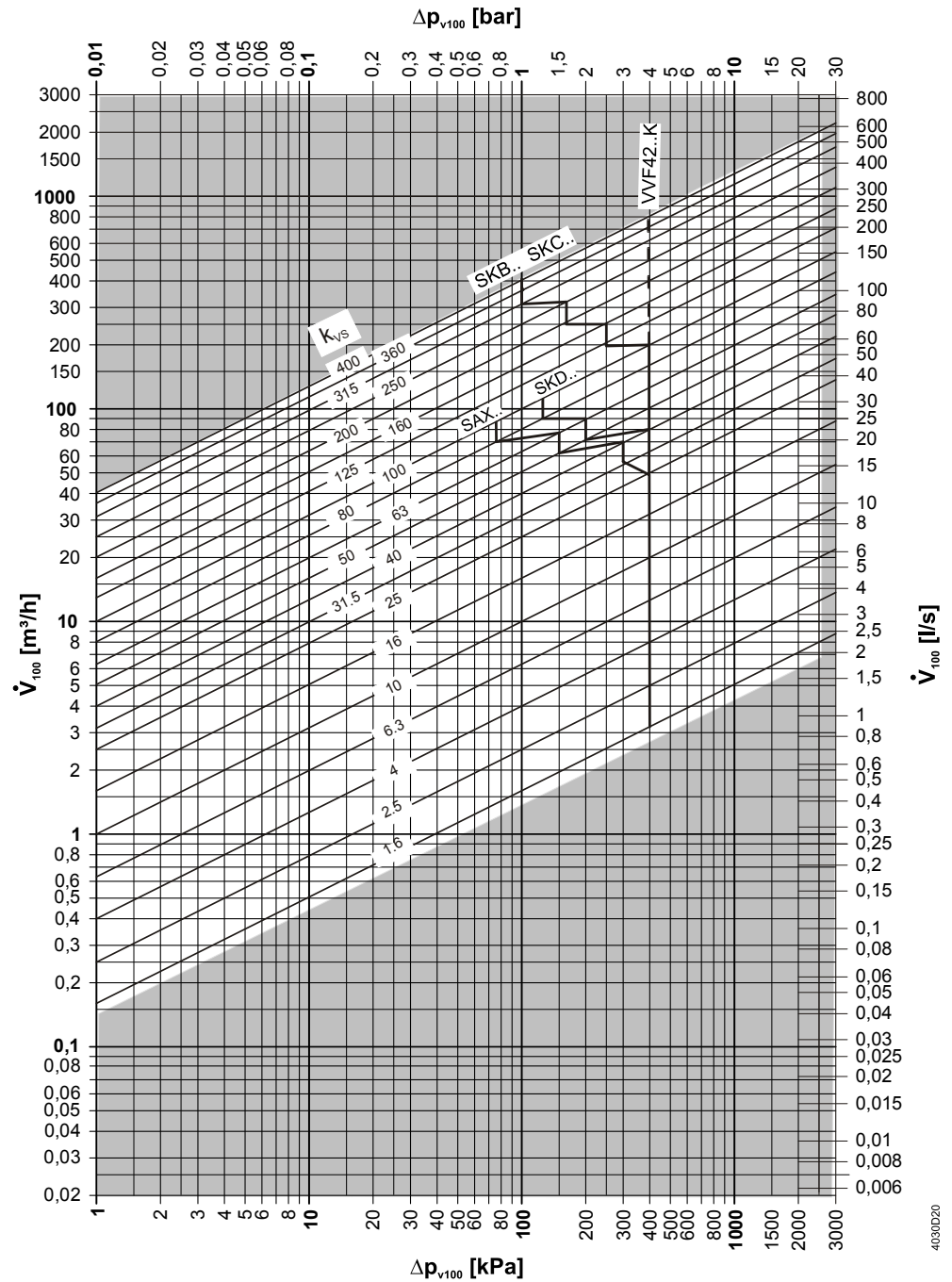


Accessories

| Product number | Stock number | Description | Note | Example |
|----------------|--------------|----------------------|---|---|
| ASZ6.5 | ASZ6.5 | Stem heating element | Required for medium temperatures < 0 °C |  |
| ASZ6.6 | S55845-Z108 | | | |

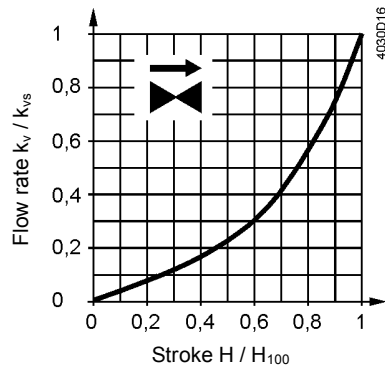
Sizing

Flow chart



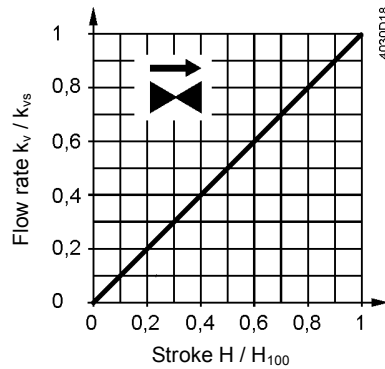
Δp_{max} values apply for the mixing function. Δp_{max} values for the diverting function see table „Type summary“, page 2

Valve characteristics
2-port valves



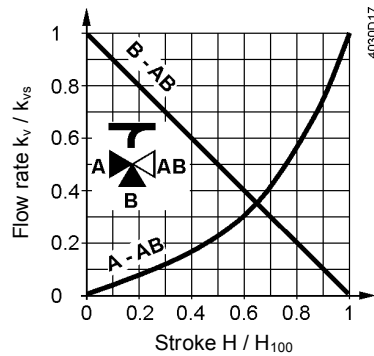
0...30%: Linear
30...100%: Equal percentage
 $n_{gl} = 3$ to VDI / VDE 2173
For high k_{vs} values the valve characteristic is optimized for maximum volumetric flow k_{V100} .

For product lines:
VVF42.125-250
VVF42.125-250K
VVF42.150-400
VVF42.150-360K



0...100%: Linear

3-port valves



Throughport A-AB

0...30%: Linear
30...100%: Equal percentage
 $n_{gl} = 3$ to VDI / VDE 2173

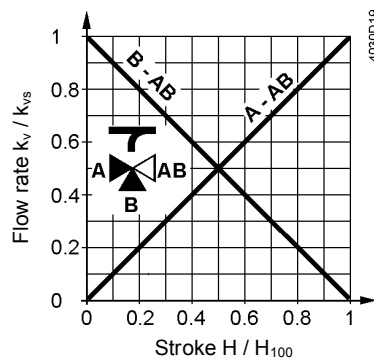
For high k_{vs} values the valve characteristic is optimized for maximum volumetric flow k_{V100} .

Bypass B-AB

0...100%: Linear
Tor AB = constant flow
Tor A = variable flow
Tor B = bypass (variable flow)

Mixing: Flow from port A and port B to port AB
Diverting: Flow from port AB to port A and port B

For product lines:
VXF42.125-250
VXF42.150-400



Throughport A-AB

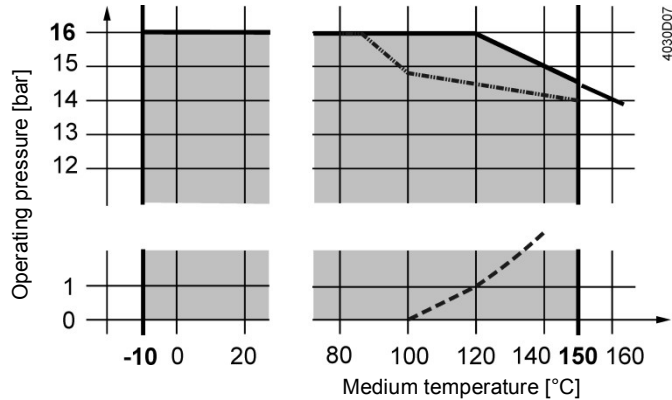
0...100%: Linear

Bypass B-AB

0...100%: Linear

Operating pressure and medium temperature

Fluids, PN16 with V..F42..



- Curve for saturated steam; steam forms below this line
- - - Operating pressure according to EN 1092, valid for 2-port valves with blank flange

Operating pressure and operating temperatures according to ISO 7005, EN 1092 and EN 12284

Notes

All relevant local directives must be observed

Medium compatibility and temperature ranges

| Medium | Temperature range | | Valve | | | Note |
|--|-----------------------|-----------------------|---------|-----------------|---------|--|
| | T _{min} [°C] | T _{max} [°C] | VVF42.. | VVF42..K | VXF42.. | |
| Cold water | 1 | 25 | ■ | ■ | ■ | - |
| Low-temperature hot water | 1 | 130 | ■ | ■ | ■ | - |
| High-temperature hot water ¹⁾ | 130 | 150 | ■ | ■ | ■ | - |
| | 150 | 180 | - | - | - | - |
| Water with antifreeze | -5 | 150 | ■ | ■ | ■ | For medium temperatures below 0 °C, the stem heating ASZ6.6 has to be installed. |
| | -10 | 150 | ■ | - ³⁾ | ■ | |
| | -20 | 150 | - | - | - | |
| Cooling water ²⁾ | 1 | 25 | - | - | - | - |
| Brines | -5 | 150 | ■ | ■ | ■ | For medium temperatures below 0 °C, the stem heating ASZ6.6 has to be installed. |
| | -10 | 150 | ■ | - ³⁾ | ■ | |
| | -20 | 150 | - | - | - | |
| Super-clean water (demineralized and deionized water) | 1 | 150 | - | - | - | |
| Demineralized water according to VDI2035 / SWKI_BT102-01 | 1 | 150 | ■ | ■ | ■ | |

- ¹⁾ Differentiation due to saturated steam curve
- ²⁾ Open circuits
- ³⁾ VVF42..K can't be used with media below -5 °C due to the compensation sealing material

Fields of use

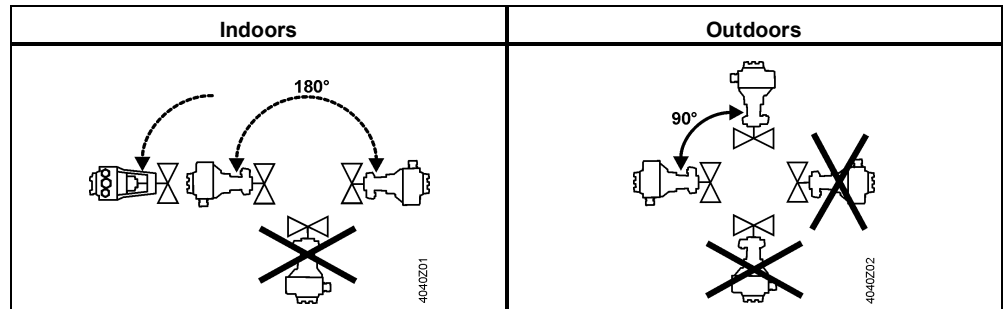
| Fields of use | | Valves | | |
|---------------------|------------------------------------|---------|----------|---------|
| | | VVF42.. | VVF42..K | VXF42.. |
| Generation | Boiler plants | ■ | ■ | ■ |
| | District heating plants | ■ | ■ | - |
| | Refrigeration plants | ■ | ■ | ■ |
| Distribution | Heating groups | ■ | ■ | ■ |
| | Ventilation and air-handling units | ■ | ■ | ■ |

Engineering notes

| | |
|-------------------|---|
| Mounting location | Preferably mount the valves at the return, as the temperature is lower there and the strain on the stem sealing gland is lower. |
| Dirt trap | Mount a dirt filter or dirt trap before the valve to ensure proper functioning, and a long service life of the valve. Remove dirt, welding beads, etc. from the valves and pipes. |
| Cavitation | Cavitation can be avoided by limiting the pressure differential across the valve depending on the medium temperature and prepressure. |

Mounting notes

Monting position



Mounting positions apply to both 2- and 3-port valves.

Commissioning notes



The valve may be put into operation only if actuator and valve are correctly assembled.

Note

Ensure that actuator stem and valve stem are rigidly connected in all positions.

Function check

| Valve | Throughport A→AB | Bypass B→AB |
|---------------------|------------------|-------------|
| Valve stem extends | Closes | Opens |
| Valve stem retracts | Opens | Closes |

Maintenance notes

The valves are maintenance-free.



When servicing valves or actuators:

- Deactivate the pump and turn off the power supply
- Close the shutoff valves
- Fully reduce the pressure in the piping system and allow pipes to completely cool down

If necessary, disconnect the electrical wires.

Due to the different types of material used, the valve must be disassembled prior to disposal. Special handling of certain valve components may be required by law or may be sensible from an ecological point of view.

Local and currently valid legislation must be observed.

Disposal



Warranty

Application-related technical data are guaranteed only when the valves are used in connection with the Siemens actuators listed under "Equipment combinations", page 4.

When used with actuators of other manufacture, any warranty by Siemens becomes void.

Technical data

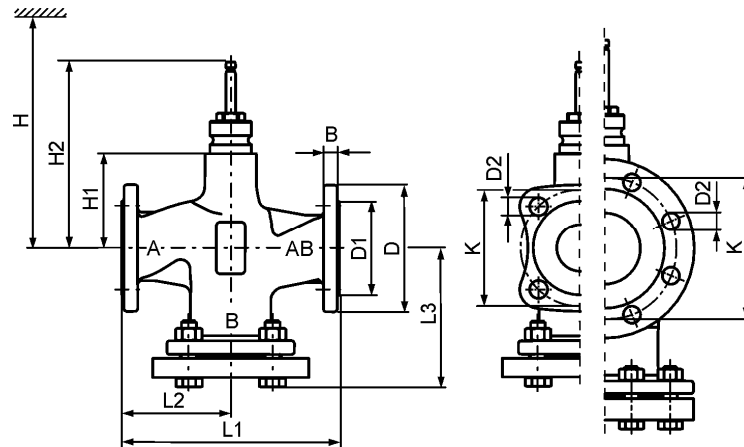
| | | | |
|-----------------|---|--|---|
| Functional data | PN class | PN 16 | |
| | Connection | Flange | |
| | Operating pressure | See Section "Operating pressure and medium temperatures", page 8 | |
| | Valve characteristics ¹⁾ | See section "Valve characteristics", page 7 | |
| | Leakage rate | Throughport | 0...0.02% of k_{VS} value |
| | | Bypass | 0.5...2% of k_{VS} value ($k_{VS} \geq 6.3$) 0.5...3% of k_{VS} value ($k_{VS} 1.6; 2.5; 4$) |
| | Permissible media | See table " Medium compatibility and temperature ranges", page 8 | |
| | Medium temperature | | -10...150 °C |
| | | | VVF42..K: -5...150 °C |
| | Rangeability | | To DN 25: > 50 |
| | | | From DN 32: >100 |
| | Nominal stroke | | To DN 80: 20 mm |
| | | From DN 100: 40 mm | |
| Materials | Valve body | EN-GJL-250 | |
| | Blank flange | VVF.. S235JRG2 | |
| | Valve stem | Stainless steel | |
| | Seat | Machined | |
| | Plug | Brass/ Bronze | |
| | Stem sealing gland | Brass EPDM O-rings PTFE sleeve silicon-free | |
| | Compensation sealing | Stainless steel FEPM (silicone-free) | |
| Standards | Pressure Equipment Directive | PED 97/23/EC | |
| | Pressure-carrying accessories | According to article 1, section 2.1.4 | |
| | Fluid group 2 | PN 16 | |
| | Without CE certification as per article 3, section 3 (sound engineering practice) | ≤DN 50 | |
| | Category I, with CE certification | DN 65...125 | |
| | Category II, with CE certification, notified body identification number 0036 | DN 150 | |
| | PN class | ISO 7268 | |
| | Operating pressure | ISO 7005, DIN EN 12284 | |
| | Flanges | ISO 7005 | |
| | Length of flanged valves | DIN EN 558-1, line 1 | |
| | Valve characteristic | VDI 2173 | |
| | Leakage rate | Throughport, bypass according to EN 60534-4 / EN 1349 | |
| | Water treatment | VDI 2035 | |

| | | |
|-----------------------------|---|---------------------------|
| Environmental conditions | | |
| Storage: IEC 60721-3-1 | Class | 1K3 |
| | Temperature | -15...+55 °C |
| | Rel. humidity | 5...95% r.h. |
| Transport: IEC 60721-3-2 | Class | 2K3, 2M2 |
| | Temperature | -30...+65 °C |
| | Rel. humidity | < 95% r.h. |
| Operation: IEC 60721-3-3 | Class | 3K5, 3Z11 |
| | Temperature | -15...+55 °C |
| | Rel. humidity | 5...95% r.h. |
| Environmental compatibility | ISO 14001 (environment) ISO 9001 (quality) SN 36350 (environmentally compatible products) RL 2002/95/EG (RoHS) | |
| Dimensions / Weight | Dimensions | See „Dimensions“, page 13 |
| | Weight | See „Dimensions“, page 13 |

¹⁾ For certain valve lines and high k_{vs} values, the valve characteristic is optimized for maximum volumetric flow k_{V100} .

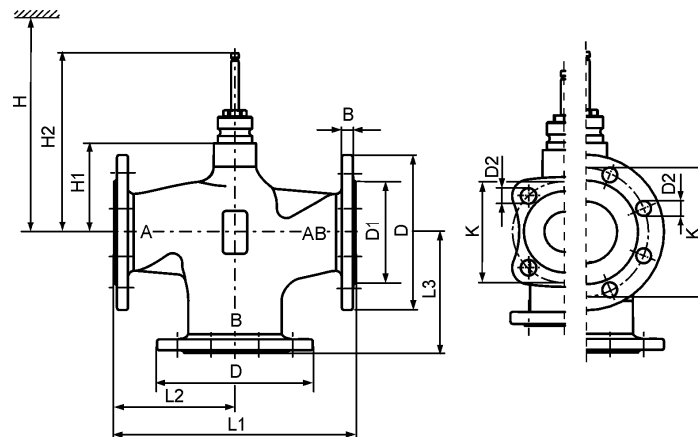
Dimensions

VVF42.. VVF42..K



| Product number | DN | kg | B | Ø D | Ø D1 | Ø D2 | L1 | L2 | L3 | Ø K | H1 | H2 | H | | | |
|----------------|------|------|-----|-----|---------|---------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | | | | | | | | | | | SAX.. | SKD.. | SKB.. | SKC.. |
| VVF42.. | 15 | 3.7 | 14 | 95 | 46 | 14 (4x) | 130 | 65 | 86 | 65 | 37 | 133.5 | 479 | 537 | 612 | - |
| | 20 | 4.7 | 16 | 105 | 56 | 14 (4x) | 150 | 75 | 97 | 75 | 37 | 133.5 | 479 | 537 | 612 | - |
| | 25 | 5.4 | 15 | 115 | 65 | 14 (4x) | 160 | 80 | 106.5 | 85 | 37 | 133.5 | 479 | 537 | 612 | - |
| | 32 | 8.4 | 17 | 140 | 76 | 19 (4x) | 180 | 90 | 119 | 100 | 37 | 133.5 | 479 | 537 | 612 | - |
| | 40 | 9.3 | 16 | 150 | 84 | 19 (4x) | 200 | 100 | 126 | 110 | 37 | 133.5 | 479 | 537 | 612 | - |
| | 50 | 12.2 | 16 | 165 | 99 | 19 (4x) | 230 | 115 | 144 | 125 | 50 | 146.5 | 492 | 550 | 625 | - |
| | 65 | 17 | 17 | 185 | 118 | 19 (4x) | 290 | 145 | 174 | 145 | 75 | 171.5 | 517 | 575 | 650 | - |
| | 80 | 25 | 17 | 200 | 132 | 19 (8x) | 310 | 155 | 186 | 160 | 75 | 171.5 | 517 | 575 | 650 | - |
| | 100 | 35.7 | 17 | 220 | 156 | 19 (8x) | 350 | 175 | 205 | 180 | 110 | 226.5 | - | - | - | 685 |
| 125 | 52.5 | 17 | 250 | 184 | 19 (8x) | 400 | 200 | 233 | 210 | 123 | 239.5 | - | - | - | 698 | |
| 150 | 74.3 | 17 | 284 | 211 | 23 (8x) | 480 | 240 | 275.5 | 240 | 150.5 | 267 | - | - | - | 726 | |
| VVF42..K | 50 | 12 | 16 | 165 | 99 | 19 (4x) | 230 | 115 | 144 | 125 | 50 | 146.5 | 492 | 550 | 625 | - |
| | 65 | 17.5 | 17 | 185 | 118 | 19 (4x) | 290 | 145 | 174 | 145 | 75 | 171.5 | 517 | 575 | 650 | - |
| | 80 | 27 | 17 | 200 | 132 | 19 (8x) | 310 | 155 | 186 | 160 | 75 | 171.5 | 517 | 575 | 650 | - |
| | 100 | 35.9 | 17 | 220 | 156 | 19 (8x) | 350 | 175 | 206 | 180 | 110 | 226.5 | - | - | - | 685 |
| | 125 | 52.3 | 17 | 250 | 184 | 19 (8x) | 400 | 200 | 233 | 210 | 123 | 239.5 | - | - | - | 698 |
| | 150 | 76.3 | 17 | 284 | 211 | 23 (8x) | 480 | 240 | 275.5 | 240 | 150.5 | 267 | - | - | - | 726 |


VXF42..



| Product number | DN | kg | B | Ø D | Ø D1 | Ø D2 | L1 | L2 | L3 | Ø K | H1 | H2 | H | | | |
|----------------|-----|------|----|-----|------|---------|-----|-----|-----|-----|-------|-------|-------|-------|-------|-------|
| | | | | | | | | | | | | | SAX.. | SKD.. | SKB.. | SKC.. |
| VXF42.. | 15 | 2.6 | 14 | 95 | 46 | 14 (4x) | 130 | 65 | 65 | 65 | 37 | 133.5 | 479 | 537 | 612 | - |
| | 20 | 3.3 | 16 | 105 | 56 | 14 (4x) | 150 | 75 | 75 | 75 | 37 | 133.5 | 479 | 537 | 612 | - |
| | 25 | 3.8 | 15 | 115 | 65 | 14 (4x) | 160 | 80 | 80 | 85 | 37 | 133.5 | 479 | 537 | 612 | - |
| | 32 | 5.7 | 17 | 140 | 76 | 19 (4x) | 180 | 90 | 90 | 100 | 37 | 133.5 | 479 | 537 | 612 | - |
| | 40 | 6.3 | 16 | 150 | 84 | 19 (4x) | 200 | 100 | 100 | 110 | 37 | 133.5 | 479 | 537 | 612 | - |
| | 50 | 8.7 | 16 | 165 | 99 | 19 (4x) | 230 | 115 | 115 | 125 | 50 | 146.5 | 492 | 550 | 625 | - |
| | 65 | 12.9 | 17 | 185 | 118 | 19 (4x) | 290 | 145 | 145 | 145 | 75 | 171.5 | 517 | 575 | 650 | - |
| | 80 | 19.2 | 17 | 200 | 132 | 19 (8x) | 310 | 155 | 155 | 160 | 75 | 171.5 | 517 | 575 | 650 | - |
| | 100 | 28.8 | 17 | 220 | 156 | 19 (8x) | 350 | 175 | 175 | 180 | 110 | 226.5 | - | - | - | 685 |
| | 125 | 43.2 | 17 | 250 | 184 | 19 (8x) | 400 | 200 | 200 | 210 | 123 | 239.5 | - | - | - | 698 |
| | 150 | 61.5 | 17 | 284 | 211 | 23 (8x) | 480 | 240 | 240 | 240 | 150.5 | 267 | - | - | - | 726 |

Spare parts

Stem sealing gland

| Product number | DN | Stock number | Comments | |
|--------------------|-------------|--------------|----------|---|
| VVF42.. VXF42.. | DN 15...150 | 4 284 8806 0 | |  |

Revision numbers

VVF..
VXF..

| Product number | Valid from rev. no. | Product number | Valid from rev. no. |
|----------------|---------------------|----------------|---------------------|
| VVF42.15-1.6 | ..A | VXF42.15-1.6 | ..A |
| VVF42.15-2.5 | ..A | VXF42.15-2.5 | ..A |
| VVF42.15-4 | ..A | VXF42.15-4 | ..A |
| VVF42.20-6.3 | ..A | VXF42.20-6.3 | ..A |
| VVF42.25-6.3 | ..A | VXF42.25-6.3 | ..A |
| VVF42.25-10 | ..A | VXF42.25-10 | ..A |
| VVF42.32-16 | ..A | VXF42.32-16 | ..A |
| VVF42.40-16 | ..A | VXF42.40-16 | ..A |
| VVF42.40-25 | ..A | VXF42.40-25 | ..A |
| VVF42.50-31.5 | ..A | VXF42.50-31.5 | ..A |
| VVF42.50-40 | ..A | VXF42.50-40 | ..A |
| VVF42.65-50 | ..A | VXF42.65-50 | ..A |
| VVF42.65-63 | ..A | VXF42.65-63 | ..A |
| VVF42.80-80 | ..A | VXF42.80-80 | ..A |
| VVF42.80-100 | ..A | VXF42.80-100 | ..A |
| VVF42.100-125 | ..A | VXF42.100-125 | ..A |
| VVF42.100-160 | ..A | VXF42.100-160 | ..A |
| VVF42.125-200 | ..A | VXF42.125-200 | ..A |
| VVF42.125-250 | ..A | VXF42.125-250 | ..A |
| VVF42.150-300 | ..A | VXF42.150-300 | ..A |
| VVF42.150-400 | ..A | VXF42.150-400 | ..A |
| VVF42.50-40K | ..A | | |
| VVF42.65-63K | ..A | | |
| VVF42.80-100K | ..A | | |
| VVF42.100-160K | ..A | | |
| VVF42.125-250K | ..A | | |
| VVF42.150-360K | ..A | | |