SIEMENS 4⁴⁰⁴





ACVATIX™

2- and 3-port valves with VVF43.. flanged connections, PN 16 VXF43..

From the large-stroke valve line

- High-performance valves for medium temperatures from -20...220 °C
- Valve body of nodular cast iron EN-GJS-400-18-LT
- DN 65...150
- k_{vs} 50...400 m³/h
- Flange type 21, flange design B
- VVF43..K with pressure compensation to handle high differential pressure
- Equipable with electro-hydraulic actuators SKC...

Use

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

For use in closed or open hydraulic circuits (observe cavitation).

| | Valves | | | Act | uators | | | |
|--|-------------------|--------------|-----|------------------------------|----------------|-------------------------|---------------------------------|--|
| | PN 16 | | | | Stroke | 40 ı | | |
| | | | Po | sitioning | | 280 | | |
| | | | | | sheet | N4566 | | |
| | $\mathbf{\succ}$ | Stock number | DN | k_{vs} [m ³ /h] | S _V | Δp s [kF | Δp _{max} Pa] | |
| Fluids | VVF43.65-50 | S55206-V100 | 65 | 50 | | 700 | CE O | |
| Preferred flow direction with | VVF43.65-63 1) | S55206-V101 | 65 | 63 | | 700 | 650 | |
| fluids for low noise | VVF43.80-80 | S55206-V102 | 80 | 80 | | 450 | 400 | |
| operation and high kvs- | VVF43.80-100 1) | S55206-V103 | 80 | 100 | | 450 | 400 | |
| values with all actuator types | VVF43.100-125 | S55206-V104 | 100 | 125 | | 200 | 050 | |
| types | VVF43.100-160 1) | S55206-V105 | 100 | 160 | | 300 | 250 | |
| | VVF43.125-200 1) | S55206-V106 | 125 | 200 | | 475 | 400 | |
| | VVF43.125-250 1) | S55206-V107 | 125 | 250 | > 100 | 175 | 160 | |
| | VVF43.150-315 1) | S55206-V108 | 150 | 315 |] | | | |
| | VVF43.150-400 | S55206-V109 | 150 | 400 |] | 125 | 100 | |
| | VVF43.65-63K 1) | S55206-V110 | 65 | 63 | | | | |
| | VVF43.80-100K 1) | S55206-V111 | 80 | 100 | | | | |
| | VVF43.100-160K 1) | S55206-V112 | 100 | 160 | | 1600 | 800 | |
| | VVF43.125-250K 1) | S55206-V113 | 125 | 250 | | | | |
| | VVF43.150-360K | S55206-V114 | 150 | 360 | | | | |
| Steam 2) | VVF43.65-50 | S55206-V100 | 65 | 50 | | | | |
| Exclusive flow direction for | VVF43.65-63 | S55206-V101 | 65 | 63 | | | 800 | |
| steam. Also useful for | VVF43.80-80 | S55206-V102 | 80 | 80 | | | | |
| maximum close-off | VVF43.80-100 | S55206-V103 | 80 | 100 | | | 750 | |
| pressure Δp_S and | VVF43.100-125 | S55206-V104 | 100 | 125 | | | 500 | |
| maximum differential | VVF43.100-160 3) | S55206-V105 | 100 | 150 ³⁾ | | | 500 | |
| pressure in operation | VVF43.125-200 | S55206-V106 | 125 | 200 | | | 300 | |
| (∆p _{max}) with fluids. Use with electro-hydraulic actuators | VVF43.125-250 3) | S55206-V107 | 125 | 220 ³⁾ | > 100 | 1600 | 300 | |
| only | VVF43.150-315 3) | S55206-V108 | 150 | 280 ³⁾ | | 1600 | 200 | |
| , | VVF43.150-400 3) | S55206-V109 | 150 | 360 ³⁾ | | | 200 | |
| Steam 2) | VVF43.65-63K | S55206-V110 | 65 | 63 | | | | |
| Exclusive flow direction for | VVF43.80-100K | S55206-V111 | 80 | 100 | | | | |
| steam. | VVF43.100-160K 3) | S55206-V112 | 100 | 150 ³⁾ | | | 800 | |
| | VVF43.125-250K 3) | S55206-V113 | 125 | 220 ³⁾ | | | | |
| | VVF43.150-360K 3) | S55206-V114 | 150 | 315 ³⁾ | | | | |
| | | | | | | Δр | max | |
| | | | DN | k _{vs} | S_{V} | [kF | Pa] | |
| | | Stock number | | [m ³ /h] | | A T ⇒AB B | AB ⇔ A B | |
| Fluids | VXF43.65-63 1) | S55206-V115 | 65 | 63 | | 650 | 200 | |
| | VXF43.80-100 1) | S55206-V116 | 80 | 100 | | 400 | 200 | |
| | VXF43.100-160 1) | S55206-V117 | 100 | 160 | > 100 | 250 | 150 | |
| | VXF43.125-250 1) | S55206-V118 | 125 | 250 | | 160 | 100 | |
| | VXF43.150-400 | S55206-V119 | 150 | 400 | | 100 | 70 | |

Valve characteristic for k_{vs} value 63 m³/h from 90% stroke, k_{vs} value 100, 160, 200 and 250 m³/h from 80% stroke and k_{vs} value 315 m³/h from 70% 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

Note

When using a stem heating element with a medium temperature of below –5 °C, the stem sealing gland must be replaced. In this case, the stem sealing gland must be ordered separately (Stock number: 4 284 8806 0).

Operate with opposite flow direction with steam

Reduced k_{vs} value

Ordering

Example

| Product number | Stock number | Description | | | | | | |
|----------------|--------------|---------------------------------|--|--|--|--|--|--|
| VXF43.65-63 | S55206-V115 | 3-port valve with flange, PN 16 | | | | | | |
| SKC32.60 | SKC32.60 | 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.-Nr. See page 12

Equipment combinations

| Product number | Description | Stroke | Positioning force | Operating voltage | Positioning signal | Spring return time | Positioning time | LED | Manual adjuster | Auxiliary functions |
|-----------------------|-----------------------|-----------|-------------------|-------------------|----------------------------|--------------------|---------------------------------|----------|--------------------|---------------------|
| SKC32.60 | SKC32.60 | | | AC 230 V | 3-position | - | 120 s | | <u> </u> - | 1) |
| SKC32.61 | SKC32.61 | | | | 3-position | 18 s | 120 \$ | - | | |
| SKC60 | SKC60 | | | | 010 V 420 mA 01000 Ω | - | | √ | | |
| SKC62 SKC62U | SKC62 SKC62U | 40 mm | 2800 N | | | 20 s | Opening: 120 s Closing: 20 s | | | 2) |
| SKC62UA | SKC62UA | 40 111111 | | AC 24 V | 01000 12 | | | | is maintained | 3) |
| SKC82.60 SKC82.60U | SKC82.60 SKC82.60U | | | A0 24 V | 3-position | - | 120.0 | | | 1) |
| SKC82.61 SKC82.61U | SKC82.61 SKC82.61U | | | | | 18 s | 120 s | • | | |

¹⁾ Auxiliary switch, potentiometer

Product documentation

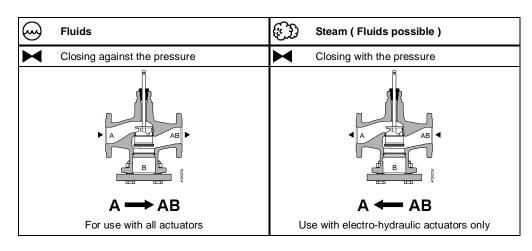
Mounting Instructions M4030 74 319 0749 0

 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

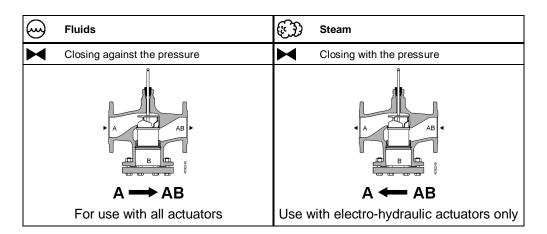


Position feedback, forced control, selection of valve characteristic

³⁾ Plus sequence control, stroke limitation, and selection of acting direction

2-port valves pressure compensated

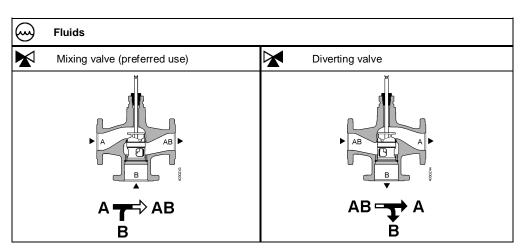
The VVF43..K valves use a pressure-compensated plug. This enables the same type of actuators to be used for the control of volumetric flow at higher differential pressures.



Note

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

3-port valves



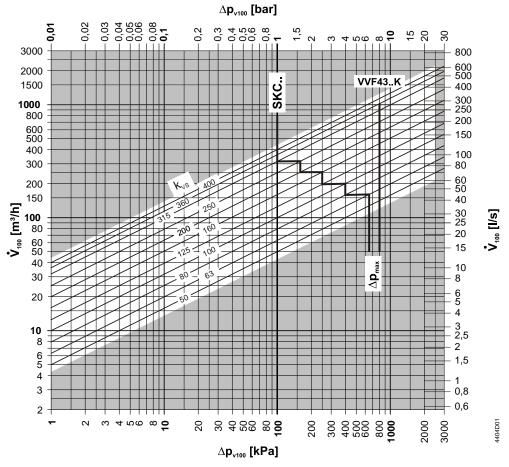
Accessories

| Product number | Stock number | Description | Note | |
|----------------|--------------|--------------------|--|--|
| ASZ6.5 | ASZ6.5 | Stem heating | Described for medium temperatures and 90 | |
| ASZ6.6 | S55845-Z108 | element | Required for medium temperatures < 0 °C | |
| - | 428488060 | Stem sealing gland | When using valves of the VF43 lines with a stem heating element and a medium temperature below -5 °C, the stem sealing gland must be replaced. With the gland 428488060 the valve can be used with water, water with antifreeze and brines between -20°C and + 150 °C. | |

| Adapter type | Stock number | Bolts included | Description | VXF41 | |
|--------------|--------------|----------------|--|--------|---|
| ALF41B65 | S55845-Z114 | 4x M16x90mm | Adapter for replacing 3-port valves | DN 65 | DN 150 |
| ALF41B80 | S55845-Z115 | 8x M16x110mm | VXF41 by VXF43 • Due to different dimensions of the | DN 80 | DN 65 |
| ALF41B100 | S55845-Z116 | 8x M16x110mm | bypass flangeEvery valve to be replaced requires | DN 100 | |
| ALF41B125 | S55845-Z117 | 8x M16x110mm | an adapter | DN 125 | |
| ALF41B150 | S55845-Z118 | 8x M20x110mm | Adapter is supplied with the required number and size of bolts and nuts as well as two suitable flat sealings Replace 3-port valves VXF41, DN 1550 by 3-port valves VXF53 (data sheet N4405). | DN 150 | PEZZEDD SZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ |

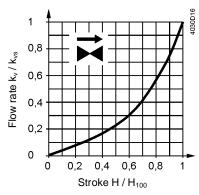
Sizing

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



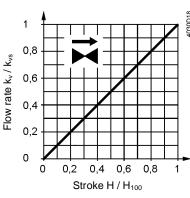
0...30%: Linear

30...100%: Equal percentage

 $n_{ql} = 3$ to VDI / VDE 2173

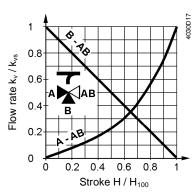
For high k_{vs} values the valve characteristic is optimized for maximum volumetric flow k_{V100} .

For product lines: VVF43.125-250 VVF43.125-250K VVF43.150-400 VVF43.150-360K



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} .

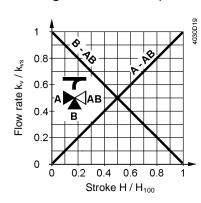
Bypass B-AB

0...100%: Linear

Port AB = constant flow Port A = variable flow

Port B = bypass (variable flow)

For product lines: VXF43.125-250 VXF43.150-400



Mixing: Diverting:

Throughport A-AB

0...100%: Linear

Bypass B-AB

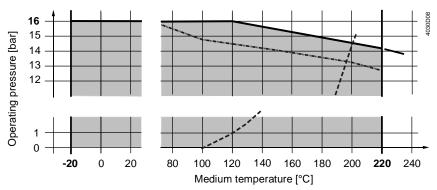
Flow from port A and port B to port AB

Flow from port AB to port A and port B

0...100%: Linear

Operating pressure and medium temperature

Fluids with V..F43..



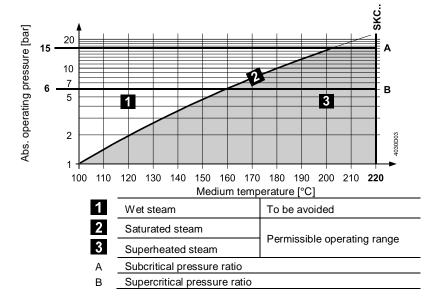
- --- Curve for saturated steam; steam forms below this line
- Operating pressure according to EN 1092, valid for 2-port valves with blank flange

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

Notes

All relevant local directives must be observed

Saturated steam Superheated steam with VVF43..



Medium compatibility and temperature ranges

| Medium | | | | Valve | | Note |
|---|---|-----|-------|--------|-------|--|
| | Temperature range T _{min} T _{max} [°C] [°C] | | VVF43 | VVF43K | VXF43 | |
| Cold water | 1 | 25 | • | | | - |
| Low-temperature hot water | 1 | 130 | • | | | - |
| High-temperature hot water 1) | 130 | 150 | • | | | - |
| | 150 | 180 | • | | | - |
| Water with antifreeze | -5 | 150 | | | | VF43: With a medium temperature of below |
| | -10 | 150 | • | -4) | | -5 °C, the stem sealing gland must be replaced |
| | -20 | 150 | • | -4) | | by the gland 428488060. |
| Cooling water 2) | 1 | 25 | • | | | - |
| Brines | -5 | 150 | • | | | VF43: With a medium temperature of below |
| | -10 | 150 | • | -4) | | -5 °C, the stem sealing gland must be replaced |
| | -20 | 150 | • | -4) | | by the gland 428488060. |
| Saturated steam 3) | 100 | 150 | • | | - | - |
| | 150 | 200 | • | | - | - |
| Superheated steam 3) | 120 | 150 | • | | - | - |
| | 150 | 220 | • | | - | - |
| Heat transfer oils | 20 | 220 | • | | | On the basis of mineral oil |
| Super-clean water (demineralized and deionized water) | 1 | 150 | - | - | - | |

Fields of use

| | Fields of use | valves | | | | | | |
|--------------|-------------------------|--------|-------|--|--|--|--|--|
| | | VVF43 | VXF43 | | | | | |
| Generation | Boiler plants | - | | | | | | |
| | District heating plants | • | - | | | | | |
| | Refrigeration plants | • | | | | | | |
| | Cooling towers 1) | • | | | | | | |
| Distribution | Heating groups | | | | | | | |
| | Air handling units | - | | | | | | |

¹⁾ Open circuits

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.

Operate valves of the product lines VVF43.. with inverted flow direction for steam.

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 can be avoided by limiting the pressure differential across the valve

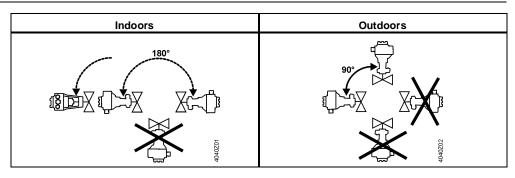
depending on the medium temperature and the prepressure.

Mounting notes

Dirt trap

Cavitation

Mounting 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 | | | |

¹⁾ Differentiation due to saturated steam curve

²⁾ Open circuits

Operate with inverted flow direction with steam

⁴⁾ VVF43..K can't be used with media below -5 °C due to the compensation sealing material

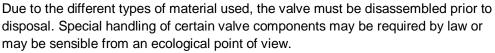
The valves are maintenance-free.



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.



Local and currently valid legislation must be observed.



Warranty

Application-related technical data are guaranteed only when the valves are used in connection with the Siemens actuators listed under "Equipment combinations", page 3.

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

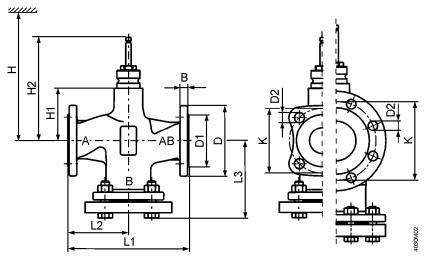
Technical Data

| Functional data | PN class | PN 16 |
|-----------------|--------------------------|--|
| | Connection | Flange |
| | Operating pressure | See Section "Operating pressure and medium temperatures", page 7 |
| | Valve characteristics 1) | See section "Valve characteristics", page 6 |
| | Leakage rate Through | phport 00.01% of k _{vs} value (Class IV) |
| | В | ypass 0.52% of k _{vs} value |
| | Permissible media | See table " Medium compatibility and temperature ranges", page 7 |
| | Medium temperature | -20220 °C ²⁾ |
| | | VVF43K: 1220 °C |
| | Rangeability | >100 |
| | Nominal stroke | 40 mm |
| Materials | Valve body | EN-GJS-400-18-LT |
| | Blank flange | P265GH |
| | Valve stem, seat, plug | Stainless steel |
| | Stem sealing gland | Stainless steel |
| | | FEPM (silicone-free) |
| | Compensation sealing | Stainless steel |
| | | FEPM (silicone-free) |
| | Adapter ALF41B | Steel S235JRG2 |

| Pressure-carrying accessories | Standards | Pressure Equipment Directive | PED 97/23/EC | | | |
|---|---------------------|--|---|----------------------|--|--|
| Category I, with CE certification DN 65125 | | <u></u> | According to artic | cle 1, section 2.1.4 | | |
| Category II, with CE certification, notified body identification number 0036 | | Fluid group 2 | PN 16 | | | |
| Category II, with CE certification, notified body identification number 0036 | | Category I, with CE certification | DN 65125 | | | |
| Operating pressure | | Category II, with CE certification, notified | | | | |
| Flanges | | PN class | ISO 7268 | | | |
| Length of flanged valves | | Operating pressure | ISO 7005, DIN E | N 12284 | | |
| Valve characteristic VDI 2173 Leakage rate Throughport, bypass according to EN 60534-4 / EN 1349 Water treatment VDI 2035 Environmental conditions Class 1K3 Temperature -15+55 °C Rel. humidity 595% r.H. Class 2K3, 2M2 Temperature -30+65 °C Rel. humidity < 95% r.H. | | Flanges | ISO 7005 | | | |
| Leakage rate | | Length of flanged valves | DIN EN 558-1, lir | ne 1 | | |
| EN 60534-4 / EN 1349 | | Valve characteristic | VDI 2173 | | | |
| Environmental conditions Storage: IEC 60721-3-1 Class 1K3 Temperature -15+55 °C Rel. humidity 595% r.H. | | Leakage rate | · · · · · · · · · · · · · · · · · · · | | | |
| Storage: IEC 60721-3-1 Class 1K3 Temperature -15+55 °C Rel. humidity 595% 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 595% r.H. Environmental compatibility ISO 14001 (environment) ISO 9001 (quality) SN 36350 (environmentally compatible products) RL 2002/95/EG (RoHS) Dimensions / Weight Dimensions Dimensions See "Dimensions", page 11 | | Water treatment | VDI 2035 | | | |
| Temperature | | Environmental conditions | | | | |
| Transport: IEC 60721-3-2 Rel. humidity 595% r.H. Class 2K3, 2M2 Temperature -30+65 °C Rel. humidity < 95% r.H. Class 3K5, 3Z11 Temperature -15+55 °C Rel. humidity 595% r.H. Class 3K5, 3Z11 Temperature -15+55 °C Rel. humidity 595% r.H. ISO 14001 (environment) ISO 9001 (quality) SN 36350 (environmentally compatible products) RL 2002/95/EG (RoHS) Dimensions / Weight Dimensions See "Dimensions", page 11 | | Storage: IEC 60721-3-1 | Class | 1K3 | | |
| Transport: IEC 60721-3-2 Class 2K3, 2M2 Temperature -30+65 °C Rel. humidity < 95% r.H. | | | Temperature | -15+55 °C | | |
| Temperature -30+65 °C Rel. humidity < 95% r.H. Class 3K5, 3Z11 Temperature -15+55 °C Rel. humidity 595% 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 11 | | | | | | |
| Operation: IEC 60721-3-3 Rel. humidity < 95% r.H. Class 3K5, 3Z11 Temperature -15+55 °C Rel. humidity 595% 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 11 | | Transport: IEC 60721-3-2 | Class | | | |
| Operation: IEC 60721-3-3 Class 3K5, 3Z11 Temperature -15+55 °C Rel. humidity 595% 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 11 | | | Temperature | -30+65 °C | | |
| Temperature -15+55 °C Rel. humidity 595% 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 11 | | | Rel. humidity | < 95% r.H. | | |
| Rel. humidity Environmental compatibility ISO 14001 (environment) ISO 9001 (quality) SN 36350 (environmentally compatible products) RL 2002/95/EG (RoHS) Dimensions / Weight Dimensions Dimensions Dimensions Environmental compatibility SN 36350 (environmentally compatible products) | | Operation: IEC 60721-3-3 | Class | | | |
| Environmental compatibility ISO 14001 (environment) ISO 9001 (quality) SN 36350 (environmentally compatible products) RL 2002/95/EG (RoHS) Dimensions / Weight Dimensions Dimensions Dimensions See "Dimensions", page 11 | | | | | | |
| ISO 9001 (quality) SN 36350 (environmentally compatible products) RL 2002/95/EG (RoHS) Dimensions / Weight Dimensions Dimensions Dimensions Dimensions Dimensions Dimensions | | | Rel. humidity | 595% r.H. | | |
| | | Environmental compatibility | ISO 9001 (quality) SN 36350 (environmentally compatible products) | | | |
| Weight See "Dimensions", page 11 | Dimensions / Weight | Dimensions | See "Dimensions | ", page 11 | | |
| | | Weight | See "Dimensions | ", page 11 | | |

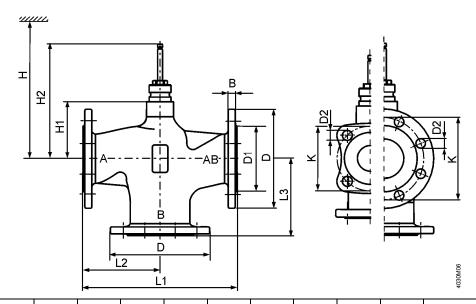
For certain valve lines and high k_{vs} values, the valve characteristic is optimized for maximum volumetric flow k_{V100} For medium temperatures < -5 °C, the stem sealing gland must be replaced. The sealing gland must be ordered separately (Stock number: 4 284 8806 0).

VVF43..



| Product number | DN | Kg | В | ØD | Ø D1 | Ø D2 | L1 | L2 | L3 | øκ | H1 | H2 | Н |
|----------------|-----|------|----|-----|------|---------|-----|-----|-------|-----|-------|-------|-----|
| | | | | | | | | | | | | | SKC |
| VVF43 | 65 | 21.6 | 17 | 185 | 118 | 19 (4x) | 290 | 145 | 178 | 145 | 115 | 231.5 | 690 |
| | 80 | 27.4 | 17 | 200 | 132 | 19 (8x) | 310 | 155 | 190 | 160 | 115 | 231.5 | 690 |
| | 100 | 33.2 | 17 | 220 | 156 | 19 (8x) | 350 | 175 | 206 | 180 | 146 | 262.5 | 721 |
| | 125 | 45.8 | 17 | 250 | 184 | 19 (8x) | 400 | 200 | 233 | 210 | 159 | 275.5 | 734 |
| | 150 | 66.7 | 17 | 284 | 211 | 23 (8x) | 480 | 240 | 275.5 | 240 | 186.5 | 303 | 762 |
| VVF43K | 65 | 21.9 | 17 | 185 | 118 | 19 (4x) | 290 | 145 | 178 | 145 | 115 | 231.5 | 690 |
| | 80 | 27.9 | 17 | 200 | 132 | 19 (8x) | 310 | 155 | 190 | 160 | 115 | 231.5 | 690 |
| | 100 | 34 | 17 | 220 | 156 | 19 (8x) | 350 | 175 | 206 | 180 | 146 | 262.5 | 721 |
| | 125 | 46.9 | 17 | 250 | 184 | 19 (8x) | 400 | 200 | 233 | 210 | 159 | 275.5 | 734 |
| | 150 | 67.7 | 17 | 284 | 211 | 23 (8x) | 480 | 240 | 275.5 | 240 | 186.5 | 303 | 762 |

VXF43..



| Product number | DN | Kg | В | ØD | Ø D1 | Ø D2 | L1 | L2 | L3 | øκ | H1 | H2 | Н |
|----------------|-----|------|----|-----|------|---------|-----|-----|-----|-----|-------|-------|-----|
| | | | | | | | | | | | | | SKC |
| VXF43 | 65 | 16.9 | 17 | 185 | 118 | 19 (4x) | 290 | 145 | 145 | 145 | 115 | 231.5 | 690 |
| | 80 | 20.9 | 17 | 200 | 132 | 19 (8x) | 310 | 155 | 155 | 160 | 115 | 231.5 | 690 |
| | 100 | 26.6 | 17 | 220 | 156 | 19 (8x) | 350 | 175 | 175 | 180 | 146 | 262.5 | 721 |
| | 125 | 36.5 | 17 | 250 | 184 | 19 (8x) | 400 | 200 | 200 | 210 | 159 | 275.5 | 734 |
| | 150 | 53.4 | 17 | 284 | 211 | 23 (8x) | 480 | 240 | 240 | 240 | 186.5 | 303 | 762 |

Spare parts

Stem sealing gland

| Product number | DN | Stock number | Comments | |
|----------------|----------|---------------|---|--|
| VVF43 VXF43 | DN 65150 | 74 284 0061 0 | - | |
| | | 4 284 8806 0 | When operating with medium temperatures below -5 °C. With the gland 428488060 the valve can be used with water, water with antifreeze and brines between -20°C and + 150°C. | |



Revision numbers

| Product number | Valid from rev. no. | Product number | Valid from rev. no. |
|----------------|---------------------|----------------|---------------------|
| VVF43.65-50 | A | VXF43.65-63 | A |
| VVF43.65-63 | A | VXF43.80-100 | A |
| VVF43.80-80 | A | VXF43.100-160 | A |
| VVF43.80-100 | A | VXF43.125-250 | A |
| VVF43.100-125 | A | VXF43.150-400 | A |
| VVF43.100-160 | A | | |
| VVF43.125-200 | A | | |
| VVF43.125-250 | A | | |
| VVF43.150-315 | A | | |
| VVF43.150-400 | A | | |
| VVF43.65-63K | A | | |
| VVF43.80-100K | A | | |
| VVF43.100-160K | A | | |
| VVF43.125-250K | A | | |
| VVF43.150-360K | A | | |