

coaxial valve

type VSV-F 200

5-VSV-F 200

valve type with pilot valve



2/2 way valve externally controlled

pressure range PN 0-16 bar

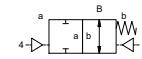
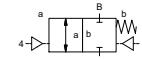
orifice DN 200 mm

connection flange

function valve

normally closed symbol NC

valve normally open symbol NO



design pressure balanced, with spring return

body materials

①

② steel, galvanized

③

⑤

④ steel, nickel plated

⑥ stainless steel

valve seat synthetic resin on metal

seal materials NBR

PTFE, FPM, CR, EPDM

⚠ Above stated body materials refer to the valve port connections that get in contact with the media only!

details needed for main valve

- orifice
- port
- function NC/NO
- operating pressure
- flow rate
- media
- media temperature
- ambient temperature
- type of actuation

details needed for pneumatic actuation

- nominal voltage
- type of protection
- actuation pressure range min/max
- low wattage coil, actuation pressure range 4-7 bar
- pilot valve type

details needed for hydraulic actuation

- actuation pressure range min/max
- hydraulic control valve function

general specifications

ports VSV-F flanges PN 16

special flanges

function NC

NO

pressure range bar 0-16

K_v value 450,0
vacuum leak rate < 10⁻⁶ mbar·l·s⁻¹

pressure-vacuum P₁ ↔ P₂ pressure side max. 16 bar
vacuum side leak rate upon request

back pressure P₂ > P₁ available (max. 16 bar)

media gaseous - liquid - highly viscous -
gelatinous - pasty - contaminated

version available

abrasive media opening
damping closing by throttles on pilot valve

bi-directional upon request

flow direction A → B as marked

switching cycles 1/min 10

switching time ms opening 800-3000 closing 800-3000

media temperature °C direct mounted pilot valve 60 remote mounted pilot valve outside temperatur range of media max. 160 °C

ambient temperature °C direct mounted pilot valve 50 available

flush ports leak ports limit switches inductive / mechanical upon request

manual override via pilot valve LR/GL/WAZ

approvals mounting weight kg VSV-F 159,0 upon request

additional equipment

electrical specifications

nominal voltage U_n DC 24 V special voltage upon request
U_n AC 230 V 50 Hz special voltage upon request

power consumption DC 4,8 W 2,5 W

protection AC pick up 11,0 VA holding 8,5 VA

energized duty rating IP65 (P54) acc. DIN 40050

connection ED 100%

optional plug acc. DIN EN 175301-803 form B, 4 positions x90° / wire diameter 6-8 mm

additional equipment M12x1 connector acc. DESINA connector acc. VDMA

max. temperature media illuminated plug with varistor

ambient ambient 60°C

explosion proof E Ex e II T5 nominal voltage U_n DC 24 V 3,25 W

power consumption AC 230 V 50 Hz 2,90 W

actuation pressure range bar 4-10

air consumption cm³/stroke 700

cycle speed main valve speed variable by throttles on pilot valve

control preferably 5/2 way pilot valve

pilot valve interface 2/4 G 1/4 G 3/8

actuator ports

by media

pneumatic specifications

options

actuation pressure range bar 10-30 / 30-60

control preferably 4/2 way control valve

actuator ports X/Y G 1/4 NPT 1/4

by media upon request

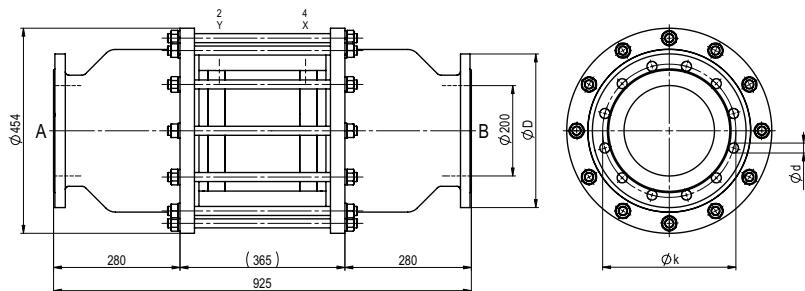
⚠ The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

⚠ If order or application specifications are incomplete or imprecise there exists a risk of an incorrect technical design of the valve for the required application. As a consequence, the physical and / or chemical properties of the materials or seals used, may not be suitable for the intended application.

■ specifications not highlighted are standard
specifications highlighted in grey are optional

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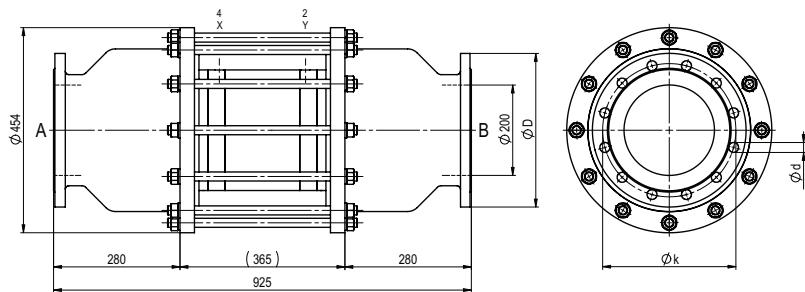
function: **NC**
closed when not energized



flanges PN	DIN	ØD	Øk	Ød
16	EN 1092-1	340	295	22

type VSV-F 200

function: **NO**
open when not energized



pneumatic actuation

