

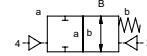
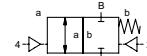
5-VSV-F 125

valve type with pilot valve



coaxial valve

type **VSV-F 125**

2/2 way valve**externally controlled****pressure range** PN 0-40 bar**orifice** DN 125 mm**connection** flange**function** valvenormally closed
symbol **NC**valve
normally open
symbol **NO****design** pressure balanced, with spring return**body materials**

① aluminium

③

④ steel, nickel plated

② steel, galvanized

⑤ without non-ferr. metals

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 / 40

function NC NO

pressure range bar 0.16 / 0-40

Kv value m³/h 198,0

vacuum leak rate < 10⁻⁶ mbar·l·s⁻¹pressure-vacuum P₁ ↔ P₂ pressure side max. 40 barback pressure P₂ > P₁ vacuum side leak rate upon request

media gaseous - liquid - highly viscous -

abrasive media gelatinous - pasty - contaminated

damping version available

opening by throttles on pilot valve

closing as marked bi-directional upon request

switching cycles 1/min 30

switching time ms opening 400-3000 closing 400-3000

media temperature °C direct mounted pilot valve 60

ambient temperature °C direct mounted pilot valve 50

flush ports remote mounted pilot valve outside temperatur range of media max. 160 °C

leak ports available

limit switches available

manual override inductive / mechanical upon request

approvals via pilot valve LR/GL/WAZ

mounting weight kg VSV-F 51,0 upon request

electrical specificationsnominal voltage U_n DC 24 V special voltage upon requestU_n AC 230 V 50 Hz special voltage upon request

DC 4.8 W 2.5 W

AC pick up 11.0 VA holding 8.5 VA

IP65 (P54) acc. DIN 40050

ED 100%

connection 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 60°C illuminated plug with varistor

ambient 50°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

pneumatic specifications

actuation pressure range bar 4-10

air consumption cm³/stroke 275

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

hydraulic specifications

actuation pressure range bar 10-30 / 30-60

control preferably 4/2 way control valve

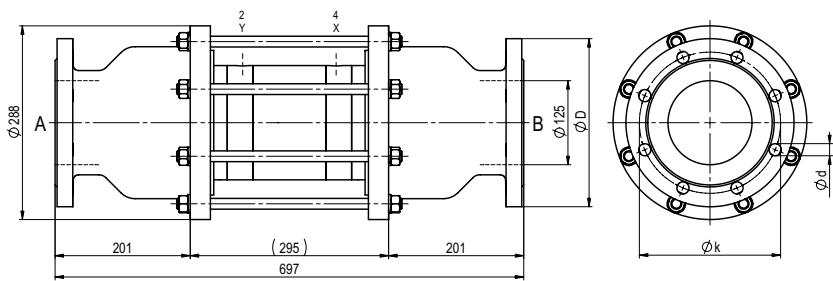
actuator ports X/Y G 1/4 NPT 1/4

by media upon request

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

type VSV-F 125

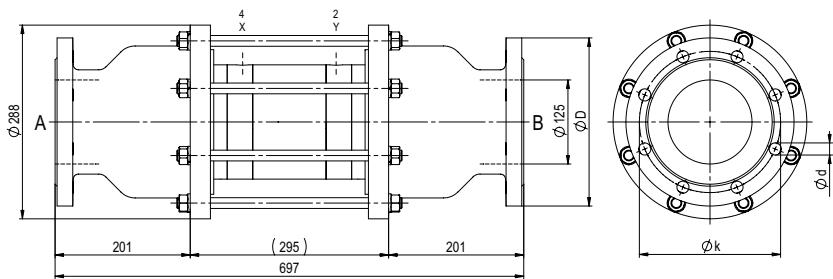
function: **NC**
closed when not energized



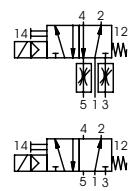
flanges PN	DIN	ØD	Øk	Ød
16	EN 1092-1	250	210	18
40	EN 1092-1	270	220	26

type VSV-F 125

function: **NO**
open when not energized



pneumatic actuation



5/2 way pilot valve
flow rate 700 l/min
pressure range 3-10 bar G 1/8

5/2 way pilot valve ISO 1
flow rate 700 l/min
pressure range 3-10 bar G 1/4