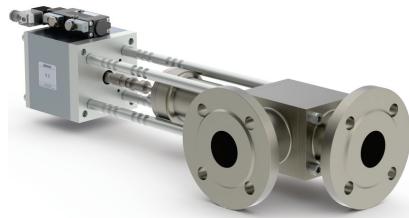


lateral valve

type V2

5-V2

valve type with pilot valve



2/2 way valve externally controlled

pressure range PN 0-64 bar

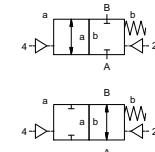
orifice DN 15 - DN 80

connection flange

function valve

normally closed symbol NC

valve normally open symbol NO



design pressure balanced, with spring return

body materials

① (standard) ②

③ ⑤

④ steel, nickel plated ⑥ stainless steel

valve seat synthetic resin on metal / metal on metal

seal materials FPM, Graphit

general specifications

ports V2 flanges PN 16 / 40 / 64

special flanges

function NC NO (to DN 50)

pressure range bar 0-64 (Δp max. 30 bar)

Kv value m³/h DN 15 =7,5 | DN 25 =15 | DN 40 =36 | DN 50 =46 | DN 80 =200

vacuum leak rate < 10⁻⁴ mbar·l·s⁻¹

pressure-vacuum P₁↔ P₂ pressure side max. 40 barback pressure P₂ > P₁ vacuum side leak rate upon request

media gaseous upon request

abrasive media damping version available

opening closing by throttles on pilot valve

flow direction A → B as marked

switching cycles 1/min upon request

switching time ms 60 to DN 50 100 DN 65-80

media temperature °C 400 DN 15-50 >300 DN 65-80

ambient temperature °C direct mounted pilot valve 50

flush ports

leak ports

limit switches inductive / mechanical

manual override via pilot valve

approvals LR/GL/WAZ

mounting

weight kg 23,0 to DN 50 130,5 DN 65-80 upon request

additional equipment

options

nominal 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

protection IP65 (P54) acc. DIN 40050

energized duty rating ED 100%

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

optional M12x1 connector acc. DESINA connector acc. VDMA

additional equipment illuminated plug with varistor

max. temperature media 60°C

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

electrical specifications

options

actuation pressure range bar 6-10

air consumption cm³/stroke 50

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 DN 15-50 G 1/2 DN 65-80

actuator ports

pneumatic specifications

options

actuation pressure range bar 6-10

control cm³/stroke 50

actuator ports main valve speed variable by throttles on pilot valve

by media preferably 5/2 way pilot valve

2/4 G 1/4 DN 15-50 G 1/2 DN 65-80

actuation pressure range bar 6-10

control cm³/stroke 50

actuator ports main valve speed variable by throttles on pilot valve

by media preferably 5/2 way pilot valve

⚠ 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

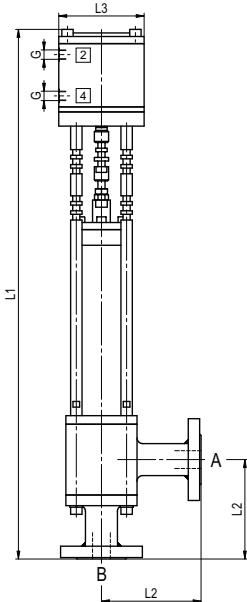
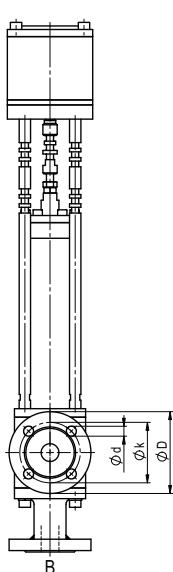
⚠ The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

⚠ 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

type V2

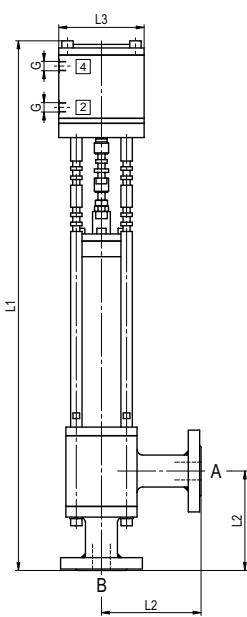
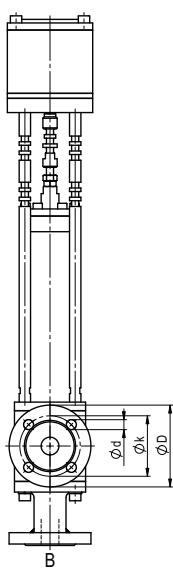
function: **NC**
closed when not energized



constructive length	L ₁	L ₂	L ₃	G
DN 15 - 50	750	140	120	1/4
DN 65 - 80	1036	200	Ø270	1/2

type V2

function: **NO**
open when not energized



flanges PN	DN	DIN	ØD	Øk	Ød
16 / 40	15	EN 1092-1	95	65	14
16 / 40	25	EN 1092-1	115	85	14
16 / 40	40	EN 1092-1	150	110	18
16 / 40	50	EN 1092-1	165	125	18
16 / 40	65	EN 1092-1	185	145	18
16 / 40	80	EN 1092-1	200	160	18
64	15	EN 1092-1	105	75	14
64	25	EN 1092-1	140	100	18
64	40	EN 1092-1	170	125	22
64	50	EN 1092-1	195	145	26
64	65	EN 1092-1	220	170	26
64	80	EN 1092-1	230	180	26