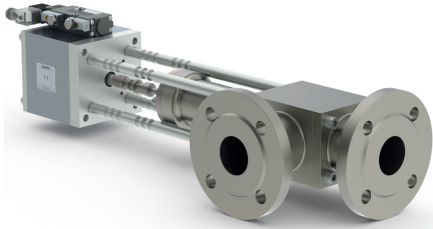


03/2022



⚠ 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
- 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. To avoid hydraulic shocks in pipelines, the flow velocities must be taken into account when designing valves for liquids.

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

2/2-way valve

pressure range
orifice
connection
function

operating principle

body material

valve seat

seal materials

ports

function
pressure range

Kv value
vacuum
pressure-vacuum

back pressure
media

abrasive media
damping

flow direction
switching cycles
switching time

media temperature
ambient temperature
flush ports
leak ports
limit switches
manual override
approvals
mounting
weight
additional equipment

nominal voltage

power consumption

protection
energized duty rating
connection
optional additional equipment
max. temperature

explosion proof

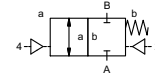
actuation pressure range
air consumption
cycle speed
control
pilot valve interface
actuator ports

actuation pressure range
control
actuator ports
by media

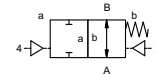
externally controlled

PN 0-63 bar
 DN 15 - DN 80
 flange

valve normally closed
 symbol **NC**



valve normally open
 symbol **NO**



externally controlled with spring return

- ①
- ②
- ③
- ④ steel, nickel plated
- ⑤
- ⑥ stainless steel

synthetic materials on metal / metal on metal

FPM, graphite

general specifications

V2 flanges PN 16 / 40 / 63
 NC
 0-63 (Δp max. 30 bar)

m³/h DN 15 =7,5 | DN 25 =15 | DN 40 =36 | DN 50 = 46 | DN 80 = 200
 leak rate < 10⁻⁴ mbar•L•s⁻¹
 P1 ↔ P2 pressure side max. 40 bar
 P2 > P1 vacuum side leak rate upon request

gaseous

opening by throttles on pilot valve
 closing as marked
 A ↔ B upon request
 1/min 60 DN 15-50
 ms 100 DN 65-80
 °C 400 DN 15-50
 °C direct mounted pilot valve 50

inductive / mechanical
 via pilot valve

LR/DNV/WAZ

kg DN 15-50 23,0 DN 65-80 130,5

electrical specifications

Un DC 24 V special voltage upon request
 Un AC 230 V 50 Hz special voltage upon request
 DC 4,8 W 2,5 W [actuation pressure range 4-7 bar]

AC pick up 11,0 VA holding 8,5 VA
 IP65 (P54) acc. DIN 40050
 ED 100%
 plug acc. DIN EN 175301-803 form B, 4 positions x90° / wire diameter 6-8 mm
 M12x1 connector acc. DESINA connector acc. VDMA
 illuminated plug with varistor

media 60°C
 ambient 50°C
 E Ex e II T5 nominal voltage Un DC 24 V 3,25 W
 power consumption AC 230 V 50 Hz 2,90 W

pneumatic specifications

bar 6-10
 cm³/stroke 50
 main valve speed variable by throttle on pilot valve
 preferably 5/2 way pilot valve

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

hydraulic specifications

options

special flanges

NO [DN 15-50]

vacuum side leak rate upon request

available

options

special voltage upon request
 special voltage upon request
 2,5 W [actuation pressure range 4-7 bar]

connector acc. VDMA

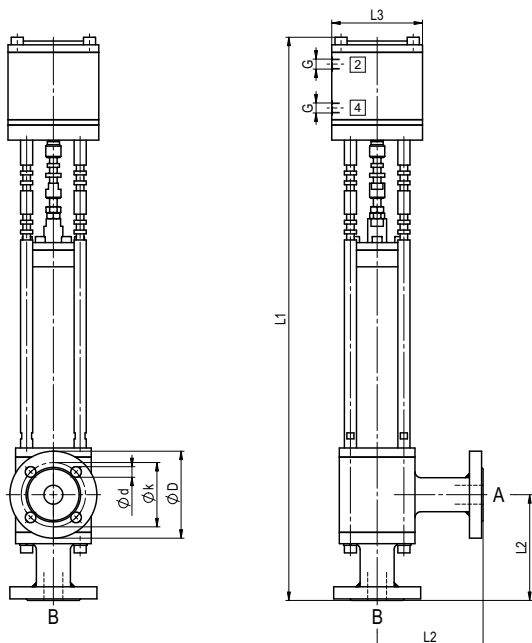
options

options

coax® data sheet - lateral valve

type V2

function: **NC**
closed when not energized



constructive length	L1	L2	L3
DN 15 - 50	750	140	□120
DN 65 - 80	1036	200	Ø270

flanges PN	DN	DIN	ØD	Øk
16 / 40	15	EN 1092-1	95	65
16 / 40	25	EN 1092-1	115	85
16 / 40	40	EN 1092-1	150	110

function: **NO**
open when not energized

