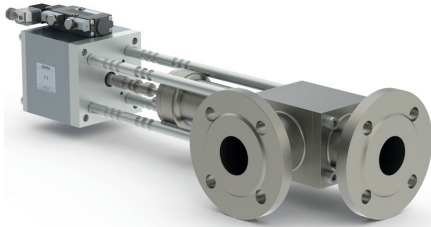


08/2021



**⚠** 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.

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

**2/2-way valve**

**pressure range**  
**orifice**  
**connection**  
**function**

**design**

**body materials**

**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**

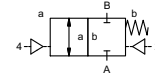
**actuation pressure range**  
**air consumption**  
**cycle speed**  
**control**  
**pilot valve interface**  
**actuator ports**

**actuation pressure range**  
**control**  
**actuator ports**  
**by media**

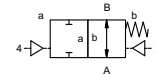
**externally controlled**

PN 0-64 bar  
 DN 15 - DN 80  
 flange

valve normally closed  
 symbol **NC**



valve normally open  
 symbol **NO**



**externally controlled with spring return**

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

**synthetic resin on metal / metal on metal**

FPM, graphite

**general specifications**

V2	flanges PN 16 / 40 / 64	<b>options</b> special flanges
bar	NC 0-64 (Δp max. 30 bar)	NO (DN 15-50)
m³/h	DN 15 =7,5   DN 25 =15   DN 40 =36   DN 50 = 46   DN 80 = 200	
leak rate	< 10 <sup>-4</sup> mbar•L•s <sup>-1</sup>	
P <sub>1</sub> ↔ P <sub>2</sub>	pressure side max. 40 bar	vacuum side leak rate upon request
P <sub>2</sub> > P <sub>1</sub>	gaseous	upon request
		available
opening		
closing	by throttles on pilot valve	
A ↔ B	as marked	
1/min	upon request	
ms	60 DN 15-50 100 DN 65-80	
°C	400 DN 15-50	>300 DN 65-80
°C	direct mounted pilot valve 50	
		inductive / mechanical
	via pilot valve	LR/GL/WAZ
kg	DN 15-50 23,0 DN 65-80 130,5	upon request

**electrical specifications**

U <sub>n</sub>	DC 24 V	<b>options</b> special voltage upon request
U <sub>n</sub>	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 illuminated plug with varistor	connector acc. VDMA
media	60°C	
ambient	50°C	
E Ex e II T5	nominal voltage U <sub>n</sub>	DC 24 V 3,25 W
	power consumption	AC 230 V 50 Hz 2,90 W

**pneumatic specifications**

bar	6-10	<b>options</b>
cm³/stroke	50	
	main valve speed variable by throttleson pilot valve preferably 5/2 way pilot valve	
2/4	G 1/4 DN 15-50 G 1/2 DN 65-80	

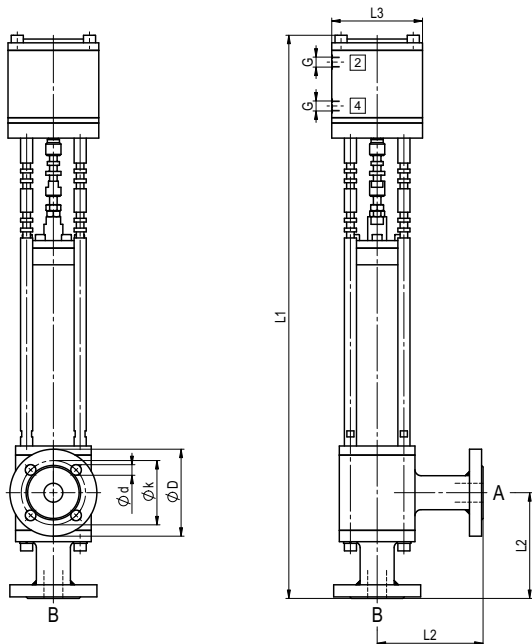
**hydraulic specifications**

		<b>options</b>

# 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

