lateral valve
type **V2**

5 - V2

valve type with pilot valve
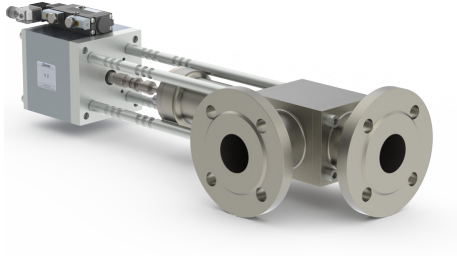
2/2 way valve	**externally controlled**
pressure range	PN 0-64 bar
orifice	DN 15 - DN 80
connection	flange
function	valve
	normally closed
	symbol **NC**
	valve
	normally open
	symbol **NO**
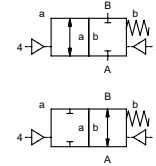
⚠ Above stated body materials refer to the valve port connections that get in contact with the media only!

design	externally controlled with spring return
body materials	① ②
	③ ⑤
	④ steel, nickel plated ⑥ stainless steel
valve seat	synthetic resin on metal / metal on metal
seal materials	FPM, Graphit

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

		general specifications		options
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 bar
				vacuum side leak rate upon request
back pressure	P₂ > P₁			upon request
media		gaseous		
abrasive media				version available
damping	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		
additional equipment				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.

		electrical specifications		options	
nominal voltage	Un	DC 24 V		special voltage upon request	
	Un	AC 230 V 50 Hz		special voltage upon request	
power consumption	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		iluminated plug with varistor			
max. temperature	media	60°C			
	ambient	50°C			
explosion proof	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	options
actuation pressure range	bar	6-10	
air consumption	cm³/stroke	50	
cycle speed		main valve speed variable by throttleson pilot valve	
control		preferably 5/2 way pilot valve	
pilot valve interface			
actuator ports	2/4	G 1/4 DN 15-50 G 1/2 DN 65-80	

	hydraulic specifications	options
actuation pressure range		
control		
actuator ports		
by media		

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

type **V2**

function: **NC**
closed when not energized
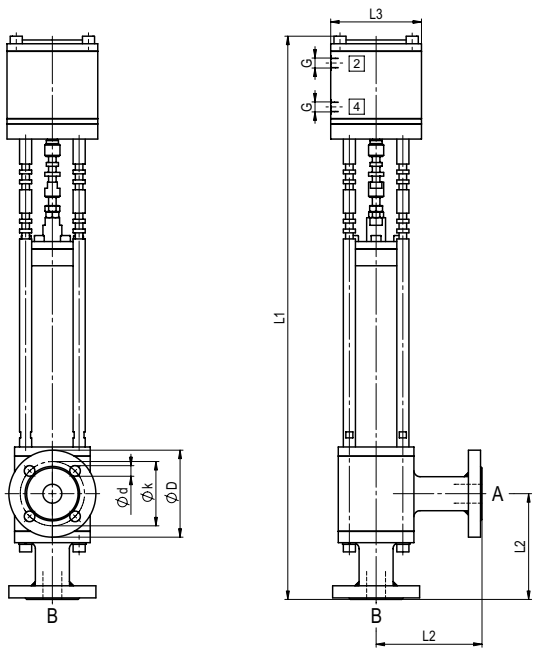
constructive length	L₁	L₂	L₃	G
DN 15 - 50	750	140	□120	1/4
DN 65 - 80	1036	200	Ø270	1/2

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

type **V2**

function: **NO**
open when not energized