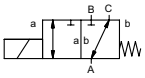
lateral valve
type DRV 25

3/2 way valve	**direct acting**
pressure range	low vacuum
orifice	DN 25 mm
connection	thread
function	valve normally closed (A ▶ B) symbol **NC**



⚠ Above stated body materials refer to the valve port connections that get in contact with the media only!

design	pressure balanced, with spring return, intersecting switch-over
body materials	⓪ aluminium
valve seat	synthetic resin on metal
seal materials	NBR, CR

details needed
- orifice
- port
- function NC
- operating pressure
- inlet pressure at A, B or C
- flow rate
- media
- media temperature
- ambient temperature
- nominal voltage

general specifications			options
ports	DRV	threads G 1	
function		NC	
pressure range	bar	vacuum max. 98%	
		A ⇨ B Δp max.2 / B ⇨ A Δp max.2 / A ⇨ C Δp max.2 / C ⇨ A Δp max.2	
Kv value	m³/h	12,8	
vacuum	leak rate		< 10^{-6} mbar•l•s^{-1}
pressure-vacuum	P_1⇔ P_2	pressure side max. 1bar, vacuum side leak rate <10-6 mbar•l•s-1	
back pressure	$P_2 > P_1$		
media		gaseous	
abrasive media			
damping	opening		
	closing		
flow direction		see pressure range	
switching cycles	1/min	70	
switching time	ms	opening 160 closing 100	
media temperature	°C	DC: -10 to +80	
		AC: -10 to +80	
ambient temperature	°C	DC: -10 to +80	
		AC: -10 to +80	
limit switches			
manual override			
approvals			
mounting		mounting holes	
weight	kg	5,4	
additional equipment			upon request

electrical specifications			options
nominal voltage	U_n	24 V DC	special voltage upon request
	U_n	230 V 40-60 Hz AC	special voltage upon request
actuation	DC	direct-current magnet	
	AC	direct-current magnet with integrated rectifier	
insulation rating	H	180°C	
protection	IP65		
energized duty rating	ED	100%	
connection		plug acc. DIN EN 175301-803 form A, 4 positions x 90° / wire diameter 6-8 mm	
optional			
additional equipment		illuminated plug with varistor	
current consumption	N-coil	24 V DC 1,70 A	
		230 V 40-60 Hz AC 0,16 A	
	H-coil		
explosion proof			
limit switches			

⚠ 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.

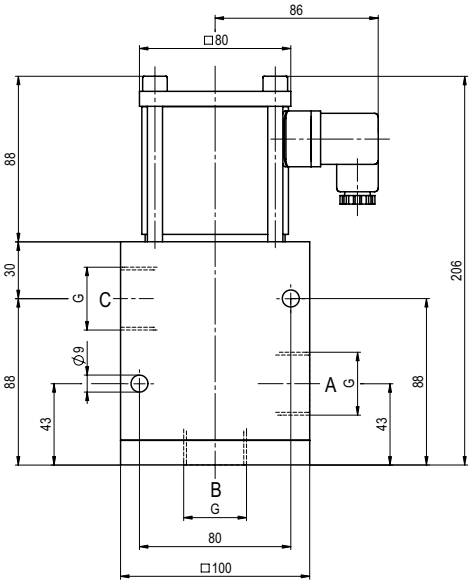
⚠ If order or application specifications are incomplete or imprecise there exists a risk of an incorrect technical design of the valve for the required application. As a consequence, the physical and / or chemical properties of the materials or seals used, may not be suitable for the intended application.

- specifications not highlighted are standard

specifications highlighted in grey are optional

type **DRV 25**

function: **NC**
closed when not energized (A ►B)



The application-specific layout relating to temperature, pressure conditions, switching behavior, media and its consistency may restrict the range of use or necessitate relevant modifications to materials used and seal arrangements.