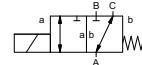


lateral valve

type **DRV 20**



3/2 way valve direct acting
pressure range low vacuum
orifice DN 20 mm
connection thread
function valve
valve normally closed (A ▶ B)
symbol NC



design pressure balanced, with spring return, switching overlap
body materials Ⓛ aluminium

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

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 3/4	
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	9,1	
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	5,6	upon request
additional equipment			

electrical specifications
options

nominal voltage	U _n	DC 24 V	special voltage upon request
	U _n	AC 230 V 40-60 Hz	special voltage upon request
actuation	DC	direct-current magnet	
	AC	direct-current magnet with integrated rectifier	
insulating rating	H	180°C	
protection	IP65		
energized duty rating	ED	100%	
connection		plug acc. DIN EN 175301-803 form A, 4 positions x90° / wire diameter 6-8 mm	

optional additional equipment	illuminated plug with varistor
current consumption	N-coil DC 24 V 1,70 A AC 230 V 40-60 Hz 0,16 A

explosion proof
limit switches

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

Type **DRV 20**

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

