

10 mm nanovalves

- Flow rate 12 NI/min
- Interface with conveyed discharge or discharge in the air
- Versions 3/2 normally open (NO) and normally closed (NC)
- Interchangeable coil (U04) rotation by 180°
- Molex-type electrical connector or louse wires



TECHNICAL CHARACTERISTICS

Ambient temperature	-5 ÷ +50 °C
Fluid temperature	max +50 °C
Fluid	10 μm filtered air, lubricated or not
Commutation system	poppet valve
Ways/Positions	3/2 NC, 3/2 NO
Pressure	max 8 bar
Control	electric
Return	mechanical spring
Connections	on sub-base
Nominal Ø	0,5÷0,6 mm
Nominal flow rate	9÷12 Nl/min
Max frequency	2300 ÷ 3000 cycles/min

CONSTRUCTIVE CHARACTERISTICS

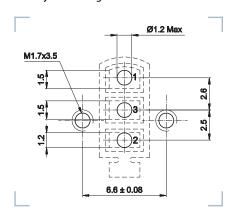
Valve body	thermoplastic
Seals	nitrile rubber
Components	stainless steel - treated brass

ELECTRIC CHARACTERISTICS

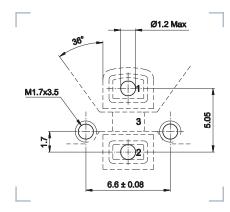
Coil	U04 DE series
Power consumption	1,2 W (1,35 W with LED)
Electrical connection	Molex-type bipolar connector or loose wires
Voltage	12 V DC - 24 V DC
Manual override	with button with tool

Substructure

Conveyed discharge



Discharge in the air

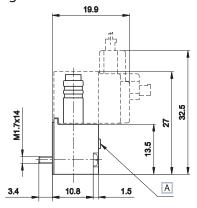


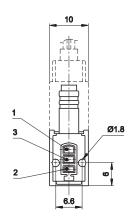
NC	NO
1 = Supply port	1 = Exhaust
2 = Use	2 = Use
3 = Exhaust	3 = Supply port



Valves with conveyed discharge







- 1 = Supply port2 = Use
- 3 = Exhaust

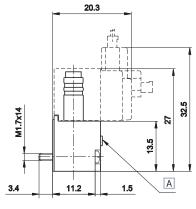
A Manual override

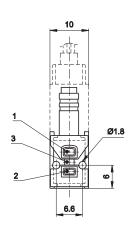
3/2	NC
2/2	NO

Symbol	Nominal Ø	Flow rate	Pressure	Times (ms)	Weight (b)	Part no.
		NI/min.	bar	En. De-en.	Kg	
### *** *** *** *** *** *** *** *** ***	0,5	$1 \rightarrow 2 = 9$ $2 \rightarrow 3 = 12$	_{1,5÷8} (a)	9 10	0,007 (0,012)	B-101N
2 w	0,5	$3 \rightarrow 2 = 9$ $2 \rightarrow 1 = 10$	0÷8	18 8	0,007 (0,012)	B-121N

Valves with discharge in the air







- 1 = Supply port
- 2 = Use 3 = Exhaust

A Manual override

3/2 NC

Symbol	Nominal Ø	Flow rate	Pressure	rimes (ms)	weight (b)	Part no.
		NI/min.	bar	En. De-en.	Kg	
2 w	0,6	$1 \rightarrow 2 = 12$ $2 \rightarrow 3 = 15$	_{1,5÷8} (a)	9,5 9	0,007 (0,012)	B-102N

>> Coils



U04 with integrated upward 90° connector



U04 with in-line connector



U04 with loose wires (300 mm lenght)



U04 with in-line connector with protecting cover for complete tightness

- (a) = upon request: 0 bar operation
- (b) = the value in brackets indicates the mass with coil (0,015 Kg with 300 mm loose wires)

For technical features of coils and connector, see section "Accessories>Coils" Nanovalves are supplied without coil and connector, to be ordered separately.