

UNIVER

Valves

ISO 15218 - 10 MM NANOVALVES - B11/B10/B12

Manual override
(standard)



No manual
override
(on request)



LED



interface
ISO 15218
(on request)



90° connector



In-line connector



In-line PIN



90° cables



In-line cables



STANDARD B11



1 W
10 NI/min

Low consumption B10



0,3 W
10 NI/min

High flow rate (B12)



0,6 W
28 NI/min
Special version 40 NI/min

Magnetic memory (LATCHING)



Energizing through short impulse,
de-energizing through the same
impulse with inverted polarity.

ISO 15218 - 10 MM NANOVALVES - 1 W STANDARD



Pressure
Max 7 bar (0.7 MPa)



Temperature
- 5 °C
+ 50 °C









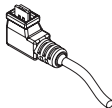
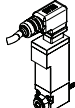
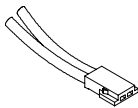
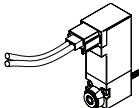
CHARACTERISTICS

Fluid	10 µm filtered air, with or without lubrication
Oforating frequency	5 Hz
Fixing	n. 2 screws M1,7
Connections	interface ISO 15218
Nominal bore (mm)	0,7
Nominal flow rate (NI/min)	10
Valve body	self-extinguishing technopolymer
Seals	VITON/NBR
Voltage	24 V DC (12 V DC on request)
Power consumption	1 W
Power consumption	D-535U40 (IP65), solder pin (IP00), Molex
Led	yellow (standard)
Manual override	monostable button



Series	Model	Type	Function	Variant	Voltage
B 1 1	4	0	1	L	2 4 D
B11 Nanovalves standard 10 mm ISO 15218	4 Monostable	0 = 3/2 NC 1 = 3/2 NO	1 Whit manual override, Variant L 2 Without manual override L 3 Whit manual override, Variant P 4 Without manual override, Variant P 5 Whit manual override, Variant M 6 Without manual override, Variant M	L 90° connector (protected pins) M In-line connector protected pins (on request) P In-line connector (for assembly on electronic board)	24D 24 V DC on request 12D 12 V DC

Fixing screws standard supplied. Max tightening torque 0,15 Nm
Other versions on request: in-line cables and 90° cables

Connector 90° (Protected PIN)	In-line PIN	D-535U40300/500	D-530-30/50/200
B11-401L24D   B11-411L24D  	B11-403P24D   B11-413P24D  	  Single connector with wire D-535U40300 = wire length 300 mm D-535U40500 = wire length 500 mm	  Miniature connector with loose cables D-530-30 = wire length 300 mm D-530-50 = wire length 500 mm D-530-200 = wire length 2000 mm

SERIES B10 - 10 MM NANOVALVES - LOW POWER CONSUMPTION - ISO 15218



Pressure
Max 7 bar (0.7 MPa)



Temperature
- 5 °C
+ 50 °C

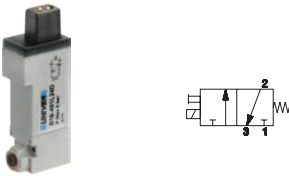
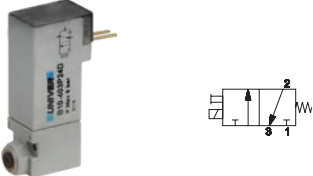

CHARACTERISTICS

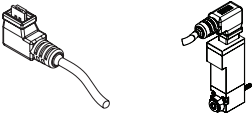
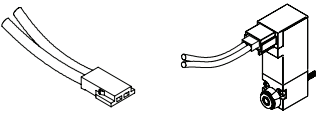
Fluid	10 µm filtered air, with or without lubrication
Oforating frequency	5 Hz
Fixing	n. 2 screws M1,7
Connections	ISO 15218 interface
Nominal bore (mm)	0,7
Nominal flow rate (NI/min)	10
Valve body	self-extinguishing technopolymer
Seals	VITON/NBR
Voltage	24 V DC (12 V DC on request)
Power consumption	0,3 W (inrush 1,3 W)
Power consumption	D-535U40 (IP65), solder pin (IP00), Molex
Led	yellow (standard)
Manual override	monostable button



Series	Model	Type	Function	Variant	Voltage
B 1 0	4	0	1	L	2 4 D
B10 10 mm low consumption nanovalves ISO 15218	4 Monostable	0 = 3/2 NC	1 With manual override, Variant L 2 Without manual override, Variant L 3 With manual override, Variant P 4 Without manual override, Variant P 5 With manual override, Variant M 6 Without manual override, Variant M	L Connector 90° (Protected PIN) M Connector In-line (protected PIN, Molex connection) P In-line PIN (suitable for mounting on circuit boards)	24D 24 V DC on request 12D 12 V DC

Fixing screws supplied with series. Maximum tightening torque 0.15 N·m
Other versions available on request: wires exiting in line and at 90°

Connector 90° (Protected PIN)	In-line PIN	In-line PIN bistable (with magnetic memory)
B10-401L24D 	B10-403P24D 	 <p>This version is energized by an electrical impulse and de-energized by a similar impulse with inverted polarity</p>

D-535U40300/500	D-530-30/50/200
	
Single connector with wire D-535U40300 = wire length 300 mm D-535U40500 = wire length 500 mm	Miniature connector with loose cables D-530-30 = wire length 300 mm D-530-50 = wire length 500 mm D-530-200 = wire length 2000 mm

SERIES B12 - NANOVALVES 10MM - HIGH FLOW RATE - ISO 15218



Pressure
Max 7 bar (0.7 MPa)



Temperature
- 5 °C
+ 50 °C

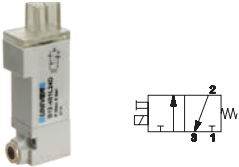
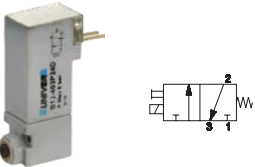
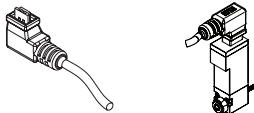
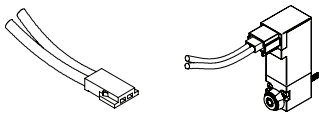
CHARACTERISTICS

Fluid	10 µm filtered air, with or without lubrication
Oforating frequency	5 Hz
Fixing	n. 2 screws M1,7
Connections	interface ISO 15218
Nominal bore (mm)	1,3
Nominal flow rate (NI/min)	28
Valve body	self-extinguishing technopolymer
Seals	VITON/NBR
Voltage	24 V DC (12 V DC on request)
Power consumption	0,6 W (speed-up 5,5 W)
Power consumption	D-535U40 (IP65), pin solder (IP00), Molex
Led	yellow (standard)
Manual override	monostable button



Series	Model	Type	Function	Variant	Voltage
B 1 2	4	0	1	L	2 4 D
B12 Nanovalves 10 mm 0,6 W high flow rate ISO 15218	4 Monostable	0 = 3/2 NC	1 With manual override, Variant L 2 Without manual override, Variant L 3 With manual override, Variant P 4 Without manual override, Variant P 5 With manual override, Variant M 6 Without manual override, Variant M	L Connector 90° (protected PIN) M In-line connector (protected PIN, Molex connection) P In-line PIN (suitable for mounting on circuit boards)	24D 24 V DC on request 12D 12 V DC

Fixing screws standard supplied. Max tightening torque 0,15 Nm
Other versions (on request): In-line cables and 90° cables, nominal flow rate 40 NI/min

Connector 90° (Protected PIN)	In-line PIN	D-535U40300/500	D-530-30/50/200
B12-401L24D 	B12-403P24D 	 Single connector with wire D-535U40300 = wire length 300 mm D-535U40500 = wire length 500 mm	 Miniature connector with loose cables D-530-30 = wire length 300 mm D-530-50 = wire length 500 mm D-530-200 = wire length 2000 mm