

Solenoid Valve

EV 920 NF - ND 20 to ND 50



- Fluid-assisted
- Pressure: 0.3 to 10 bar
- Process connection
PVC union ND20 to ND 50
3/4" to 2" BSP threaded
- For WATER only
- Manual override
- Flow adjustment screw

APPLICATIONS

This solenoid valve allows control of water flow in a pressurized system by means of an electrical signal. Automation and regulation of a water level or dosing via remote control.

DESCRIPTION

The solenoid valve consists of a diaphragm controlling the main flow passage and a piston operating the secondary circuit assisting closure.

In NC version (normally closed as standard), upstream pressure is used as back pressure to actuate the diaphragm and close the main circuit. When the coil is energized, the piston lifts and releases the back pressure, thus opening the circuit. The piston raised during the actuation of the coil, releases the counter pressure thus allowing the opening of the main flow circuit.

This type of solenoid valve must always be installed on a pressurized pipeline, with a minimum ΔP of 0.3 bar.

TECHNICAL FEATURES

Power supply	24 V AC, 50 Hz, consumption 5.5 W or 230 V AC, 50 Hz, consumption 5.5 W or 24 V DC, consumption 10 W
Function	Normally Closed
Electrical connection	detachable DIN 43650 connector
Body	Nylon 66
Process connection	PVC union fitting or BSP threaded
Diaphragm and seals	EPDM
Plunger	Stainless steel
Screws / nuts	AISI 304
Spring	AISI 302
Maximum velocity	3 m/s
Pressure	0.3...10 bar max
Fluid temperature	max. 50 °C
Ambient temperature	-10 ... +50 °C
Protection	IP 65

CE compliance : the device meets the legal requirements of the applicable European Directives.

BAMO INTERNATIONAL

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10-04-2026

D-920.03-EN-AC

PLAS

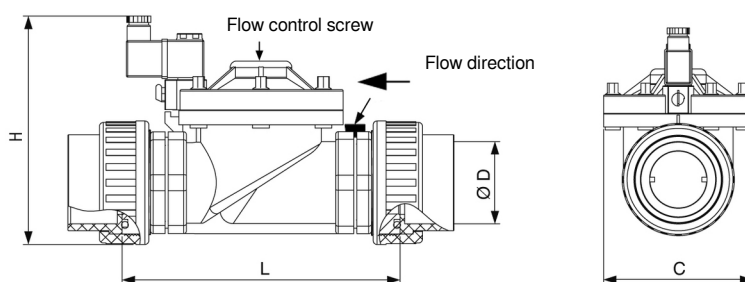
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CODE NUMBERS AND REFERENCES

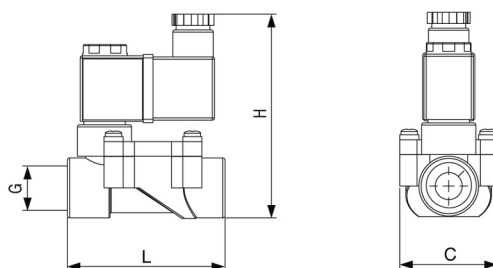
Important: Coils are separate components and must be added to the valve body.

Code	Reference	Description
920 003	EV 920 NF DN20	Valve EV920, PVC unions ND20, without actuator
920 004	EV 920 NF DN25	Valve EV920, PVC unions ND25, without actuator
920 006	EV 920 NF DN40	Valve EV920, PVC unions ND40, without actuator
920 007	EV 920 NF DN50	Valve EV920, PVC unions ND50, without actuator
920 013	EV920 NF 3/4 "	Valve EV920, BSP-F 3/4", without actuator
920 014	EV 920 NF 1"	Valve EV920, BSP-F 1", without actuator
920 016	EV 920 NF 1 1/2"	Valve EV920, BSP-F 1 1/2", without actuator
920 017	EV 920 NF 2"	Valve EV920, BSP-F 2", without actuator
920 905	PILOT & COIL 230 V AC	230 V AC 50 Hz, Pilot and coil for EV920
920 906	PILOT & COIL 24 V AC	24 V AC 50 Hz, Pilot and coil for EV920
920 907	PILOT & COIL 24 V DC	24 V DC, Pilot and coil for EV920

DIMENSIONS



EV 920 NF - PVC unions



EV 920 NF - BSP-F

ND	BSP	D [mm]	L		C		H		Kv l/min
			Union	BSP	Union	BSP	Union	BSP	
20	3/4"	25	138	110	80	80	120	95	130
25	1"	32	142	110	80	80	135	120	200
40	1 1/2"	50	236	160	126	126	160	155	520
50	2"	63	255	170	130	130	180	170	600

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