

Solenoid Valve

EV 920 NF – DN 10 and DN 15



- Fluid-assisted
- Pressure: 0.5 to 12 bar
- Process connection:
PVC union DN 10 and DN 15
3/8" and 1/2" BSP threaded
- For WATER only

APPLICATIONS

Automation and regulation of a water level or dosing via remote control.

DESCRIPTION

The EV920 solenoid valve allows control of water flow in a pressurized system by means of an electrical signal.

It 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.

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 8 W or 230 V AC, 50 Hz, consumption 8 W or 24 V DC, consumption 10 W |
| Function | Normally Closed |
| Connector | Plug in socket DIN 43650 |
| Body | Nylon 66 |
| Fittings | or PVC unions, socked-ends for solvent welding or BSP-F |
| Diaphragm and seals | EPDM |
| Piston | Stainless steel |
| Screws and nuts | AISI 304 |
| Spring | AISI 302 |
| Maximum flow-rate | 3 m/s |
| Pressure limits | 0.5 ... 12 bar |
| Water temperature | Max. 50 °C |
| Ambient temperature | -10 ... +50 °C |
| Protection | IP 65 |

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10-04-2026

D-920.02-EN-AC

PLAS

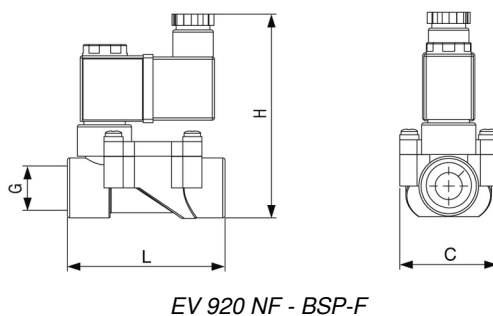
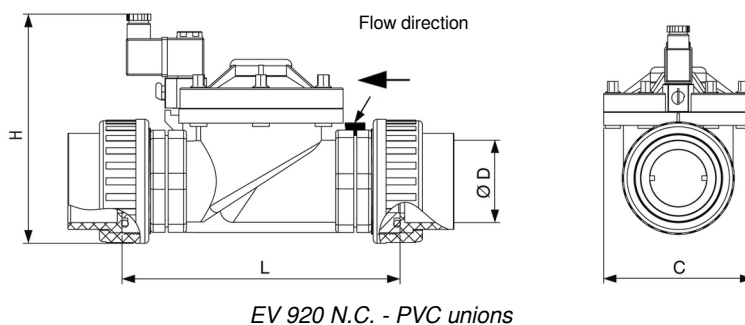
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CODE NUMBERS AND REFERENCES

Important: The actuators are sold separately.

| Code | Reference | Description |
|---------|-----------------------|---|
| 920 022 | EV 920 NF DN 15 | Valve EV920, PVC unions, DN15, without actuator |
| 920 031 | EV 920 NF 3/8" | Valve EV920, BSP-F 3/8", without actuator |
| 920 032 | EV 920 NF 1/2" | Valve EV920, BSP-F 1/2", without actuator |
| 920 905 | PILOT & COIL 230 V AC | 230 V AC, Pilot and coil for EV920 |
| 920 906 | PILOT & COIL 24 V AC | 24 V AC, Pilot and coil for EV920 |
| 920 907 | PILOT & COIL 24 V DC | 24 V DC, Pilot and coil for EV920 |

DIMENSIONS



(Dimensions are subject to change)

| ND | D [mm] | BSP | L- Union | L- BSP | C- Union | C- BSP | H- Union | H- BSP | Kv [l/min] |
|----|--------|------|----------|--------|----------|--------|----------|--------|--------------|
| - | - | 3/8" | 100 | 70 | 43 | 43 | 95 | 90 | 35 |
| 15 | 20 | 1/2" | 100 | 70 | 43 | 43 | 95 | 90 | 35 |

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920-02/2