

Solenoid valve with direct control

EV 150



- Directly operated valve
- Without compressed air supply
- PVC or PVDF body
- PTFE bellows

APPLICATIONS

Suitable for pure, neutral and some aggressive liquids.
The liquid must not contain solid particles.

DESCRIPTION

Solenoid valve EV150 is an electrically operated quick-closing valve for low flow rates.
It opens or closes directly thanks to the magnetic actuator. No operating pressure or differential pressure is required. It is suitable for switching of high frequency under low operating pressures (0 to 2 bar).

Operating mode:

On standby, the spring pushes the valve against the valve seat and keeps the EV150 closed. The excitation of the coil causes the attraction of the armature, releasing the passage. A PTFE bellows isolates the armature containing the spring and the electromagnet, from the liquid in circulation.

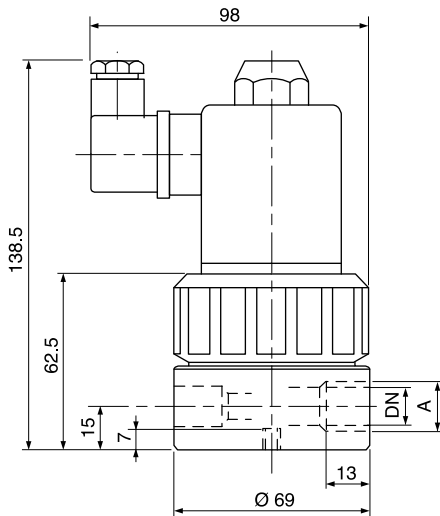
TECHNICAL FEATURES

Power supply	230 V AC / 50 Hz (other voltage on request)
Consumption	8.5 VA
Status	Normally closed (N.C.)
Bore size	ND10, ND15, ND20
Pressure limit	ND10: 0 ... 2 bar ND15: 0 ... 1 bar ND20: 0 ... 0.5 bar
Mounting position	Coil in upright position

Materials:

Diaphragm and seat valve	PTFE / EPDM or FPM
Body	PVC / Socket ends for solvent welding PTFE / BSP-F or 3/8" or 1/2"

Viscosity limit	Max 37 mm ² /s (37 cSt)
Protection	IP 65 with connector plug fitted
Connector	Plug in socket DIN 43650, cable gland PG 9
Ambient temperature	0... 50 °C
Operating temperature	0... 50 °C



DN	D ¹ [mm]	D ²	Kv [l/mm]	A [mm]	M
10	15	3/8"	33	16	5
15	20	1/2	45	20	6
20	25		53	25	6

CODE NUMBERS AND REFERENCES

Code	Description
921 101	EV 150 - ND 10 - PVC / EPDM - 230 V AC / 50 Hz
921 102	EV 150 - ND 15 - PVC / EPDM - 230 V AC / 50 Hz
921 103	EV 150 - ND 20 - PVC / EPDM - 230 V AC / 50 Hz
921 121	EV 150 - ND 10 - PVC / FPM - 230 V AC / 50 Hz
921 122	EV 150 - ND 15 - PVC / FPM - 230 V AC / 50 Hz
921 123	EV 150 - ND 20 - PVC / FPM - 230 V AC / 50 Hz
921 141	EV 150 - ND 10 - PTFE / FPM - 230 V AC / 50 Hz
921 142	EV 150 - ND 15 - PTFE / FPM - 230 V AC / 50 Hz

EV 150 models: OPTION 24 V DC / 7.5 W: On request

BAMO INTERNATIONAL

22, Rue de la Voie des Bans · Z.I. de la gare · 95100 ARGENTEUIL
 Tel +33 (0)1 30 25 83 20 Web www.bamo.eu
 Fax +33 (0)1 34 10 16 05 E-mail export@bamo.fr

Solenoid valve with direct control
EV 150

PLAS

921-01 /1

13-10-2021

D-921.01-EN-AD