

EV 150 2/2 NC DIRECTLY-OPERATED SOLENOID VALVE PVC-U - PP - PVDF

FEATURES

EV 150 is a directly-operated 2/2 solenoid valve with assisted lift, designed to shut-off networks of non-loaded corrosive fluids*. Normally closed operation. As standard construction, the solenoid valve comes in many versions with PVC-U, PP or PTFE body with stainless steel core and internal parts, and a EPDM or FPM diaphragm. Male end connection in the PVC and PP versions, threaded connection in the PTFE version. This device works only along the direction indicated by an arrow on the body.

*Cf. [ADL](#)'s table of resistance of materials

**AVAILABLE MODELS**

EV 150: DN10 to DN20. (PVC-U - PP)

EV 150: G3/8" to G1/2" (PTFE)

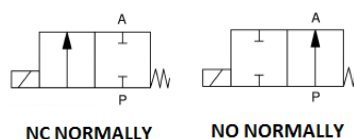
Diaphragm: EPDM, FPM.

Power supply: 230 V AC, 24 V AC, and 24 V DC.

Class F, IP65, isolation coils, T30 connector.

Female end connections to glue / to weld.

G threaded connection (PTFE).



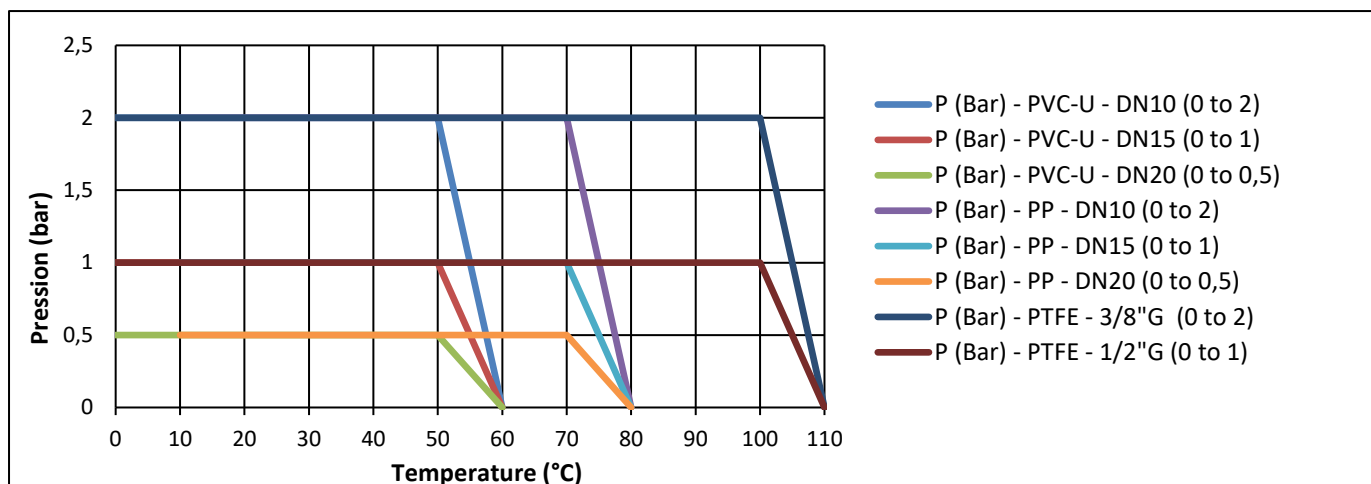
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LIMITS OF USE

Electrical protection	IP 65		
Fluid WP (bar):	See graphic		
Minimum pressure differential:	0 bar		
Fluid WT°:	PVC-U / EPDM	PP / FPM	PTFE / FPM
	0°C / +60°C	+10°C / +80°C	0°C / +110°C
Ambient WT°*:	0°C / +50°C		

* under DC, above 40°C, the maximum Maximum differential can be reduced.

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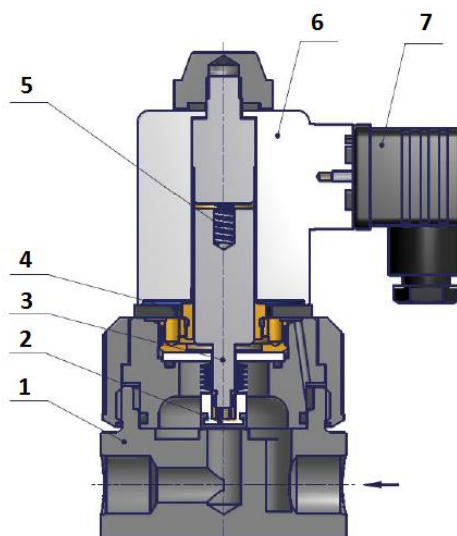


DIRECTIVES AND MANUFACTURING STANDARDS

OBJECT	Standard
Pressure Equipment Directive 2014/68/EC	<u>DN10 to DN20</u> : A4 § 3 for all fluids <u>G3/8" to G1/2"</u> : A4 § 3 for all fluids
Low voltage directive 73/23/EC	category I
Female end connection to glue	DIN / ISO
Female end connection to weld	DIN / ISO
G threaded connection	ISO 228:
Connector	DIN EN175301-803 form A

CONSTRUCTION

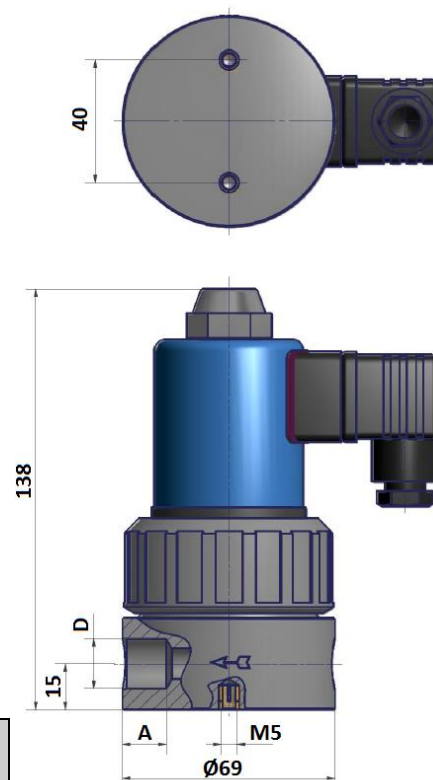
N°	Name	Material
1	Body	PVC-U or PP or PTFE
2	Diaphragm	EPDM or FPM
3	Guide	Stainless steel
4	Cylinder head tube	Stainless steel
5	Mobile core	-
6	Coil	-
7	Connector	-



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DIMENSIONS (in mm) AND WEIGHT (kg)

DN / G	D (mm)		A (mm)		Weight
	PVC-U / PP	PTFE	PVC-U / PP	PTFE	
10	16	-	14	-	1.0
15	20	-	16	-	1.0
20	25	-	13	-	1.0
G1/2"	-	G1/2"	-	13	1.0
G3/8"	-	G3/8"	-	13	1.0

**HYDRAULIC FEATURES**

DN / G	Kv (l/mn)	Minimum pressure (bar)	Max pressure (bar)
10	20.7	0	2
15	29.7	0	1
20	53	0	0.5
G3/8"	20.7	0	2
G1/2"	29.7	0	1

ELECTRICAL FEATURES

Class F coil. Service 100%. Connection through a T30 connector.

Coil	Current	Available voltages (V)		Frequencies	Consumption
DIN	alternate	24	230	50 Hz	8.5 W
	direct	24			7.5 W

INSTALLATION AND SERVICING

EV 150 can be installed in all positions; the vertical position with the coil head downwards, however, is not recommended. Follow the installation and servicing instructions provided with the solenoid valve.

OPTIONS

Normally open version

PTFE diaphragm.

LED connector.

ATEX II 2G Ex m II T4/II 3D IP65 T130°C version (working pressure reduced by 20% in this version).

Particular voltages.