

FEATURES

The PE 220 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 a PTFE body with stainless steel core and internal parts, and a PTFE-coated NBR diaphragm. Threaded connection. This device works only along the direction indicated by an arrow on the body. Horizontal mounting.

*Cf. 's table of resistance of materials

AVAILABLE MODELS

PE 220: G 3/8 " and G 1/2 ".

Diaphragm: PTFE-coated NBR diaphragm.

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

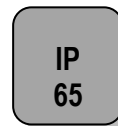
Class F, IP65, isolation coils, T30 connector.

G threaded connection.

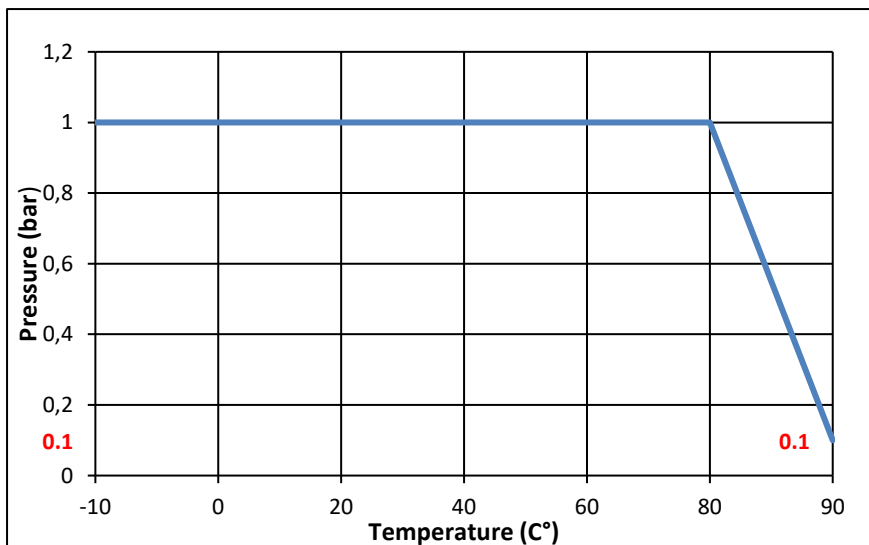


LIMITS OF USE

Electrical protection	IP 65
Fluid WP:	0.1 - 1 bar
Fluid WT°:	-10°C / +90°C
Ambient WT°*:	-10°C / +60°C



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



DIRECTIVES AND MANUFACTURING STANDARDS

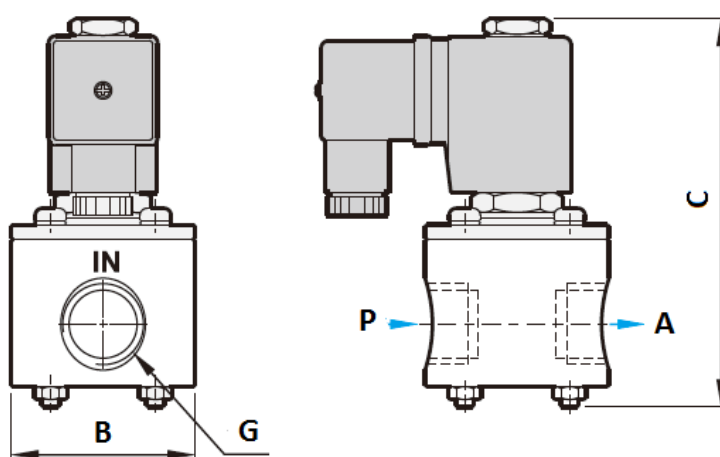
OBJECT	Standard
Pressure Equipment Directive 2014/68/EC	3/8" to 1.2" : A4 § 3 for all fluids
Low voltage directive 73/23/EC	category I
Threaded connection	ISO 228:
Connector	DIN 43650

DIMENSIONS (in mm) AND WEIGHT (kg)

G	B	C	Weight
3/8"	50	105.5	0.440
1/2"	50	105.5	0.440

CONSTRUCTION

Name	Material
Body	PTFE
Cover	1.4408 SS
Diaphragm	PTFE-coated NBR
Coil	PTB + 30 % GF
Connector	DIN size 30

**HYDRAULIC FEATURES**

DN	Orifice (mm)	Kv (l/mn)	Diff. pressure (bar)
G 3/8"	5	7.1	1
G 1/2"	5	7.1	1

ELECTRICAL FEATURES

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

Coil	Current	Available voltages (V)		Consumption
DIN	alternate	24	230	18.1 VA
	direct	24		15 W

INSTALLATION AND SERVICING

The PE220 solenoid valve can be mounted in the horizontal position with the coil head upward.

- 1 It is recommended to install the solenoid valve immediately after acceptance. If this equipment has to be stored, it must be in a dry place protected from the weather.
2. Wear the safety equipment required for this type intervention: gloves and goggles.
3. It is not recommended to install this solenoid valve in a damp environment.
4. Check the voltage and the frequency of the electric current supply. The coil must not be powered if not installed on the solenoid valve body.
5. Before any operation, depressurize the piping and wait for it to cool down to the ambient temperature.
6. Pipes and tanks must be cleaned beforehand with the utmost care.
7. It is strongly recommended to install a protective filter upstream of the solenoid valve.
8. The solenoid valve has to be mounted horizontally.
9. Comply with the way of mounting indicated on the body.

OPTIONS

110 V AC power supply.

NPT connection.