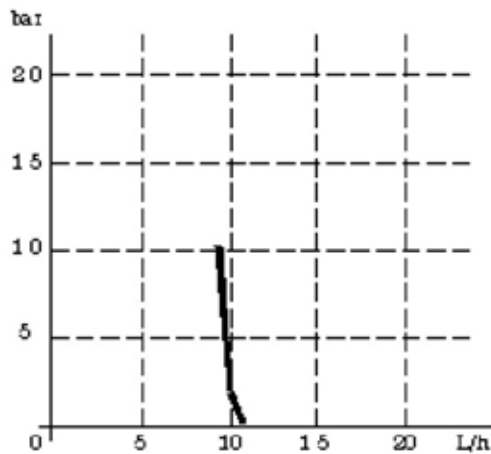


# DOSAMATIC

MANUALLY ADJUSTABLE  
DOSING PUMP





Variation of the maximum flow rate of the dosing pump as the pressure in the system to be treated varies

### Operating principle

The operation of the **DOSAMATIC** is ensured by a Teflon membrane mounted on the piston of an electromagnet powered by direct current. When the electromagnet piston is attracted, pressure is produced in the pump body with an expulsion of liquid from the delivery valve. Once the electrical impulse is over, a spring returns the piston to its initial position with a recall of liquid through the intake valve. Given the simplicity of operation the pump does not need lubrication and maintenance is reduced to almost zero. The materials used to construct the pump also make it suitable for the use of particularly aggressive liquids. **DOSAMATIC** it has been designed for flow rates ranging from 0 to 10 L/h and pressures from 0 to 10 Bar. The flow rate can be varied using a special manual control which regulates the number of injections per minute (from approximately 0 to 160).

### Technical characteristics

*Figure 1* shows the most significant dimensions of the **DOSAMATIC**.

**Description**

Pump model: DOSAMATIC

Type of pump: 10-10

Maximum flow rate.: L/h 10 USA gal/ 2,6

Maximum pressure existing in the system to be treated: BAR 10 PSI 142 Maximum number of injections/minute: 150

Volume injected per shot: mL o cc 1,1 Piston stroke: mm 1,1 in 0,043

Suction height: m 2 ft 6,6

Weight: kg 4,7 lb 10,4

*Figure 1.*

Maximum overall dimensions

	a	B	b
mm	236	199	162
in	9,2	7,76	6,32

Existing electrical voltage of the transformer (Volts):	primary 220; secondary 48
Electromagnet coil electrical resistance (Ohm):	185
Standard power supply:	Volts 220 Hz 50-60
Electrical power absorbed:	watts 60
Current absorbed I (Ampère)	0,27
Peak current I Peak (Ampère)	1,2

Materials in contact with the additive	
FILTER:	polypropylene
SUCTION HOSE:	pvc cristal
FITTINGS:	polypropylene
PUMP BODY:	polypropylene
VALVES:	Viton
DIAPHRAGM:	teflon
OR PUMP BODY	Viton
DELIVERY HOSE:	polythene
INJECTION FITTING:	polypropylene

STANDARD ELECTRIC POWER SUPPLY:

220 V AC

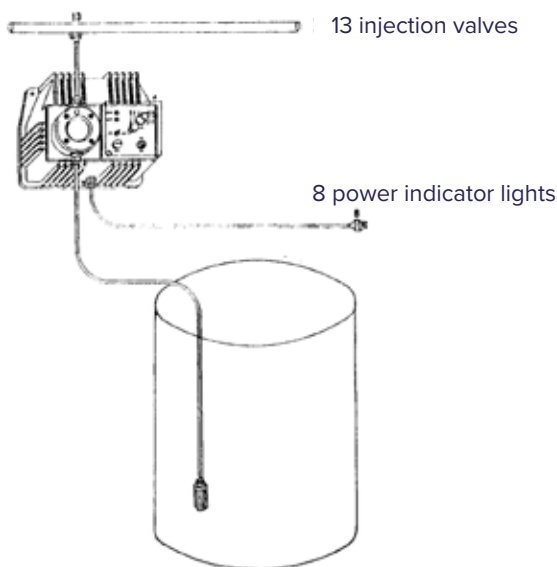
50-60 HZ single phase

KIT

DOSAMATIC is equipped with:

- n. 1 "CRISTAL" type flexible PVC suction hose measuring 2 m (transparent);
- n. 1 polythene delivery tube of m.2 semi-rigid (white);
- n. 1 injection valve;
- n. 1 filter

**Installation**



Equipment diagram (fig. 2)

Install **DOSAMATIC** away from heat sources, in a dry place at a maximum ambient temperature of 40°C, the minimum temperature depends on the liquid to be dosed which must always remain in a fluid state.

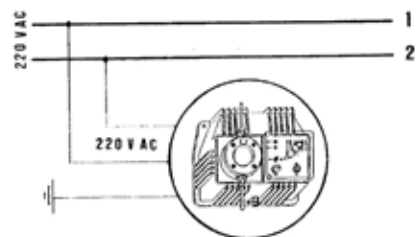


Fig. 3

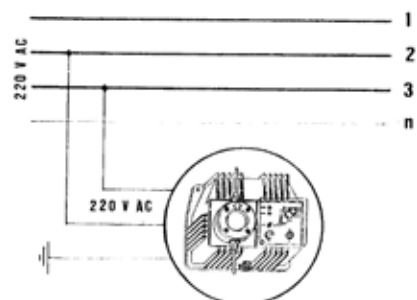


Fig. 4

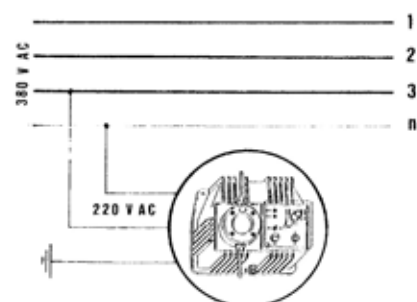


Fig. 5