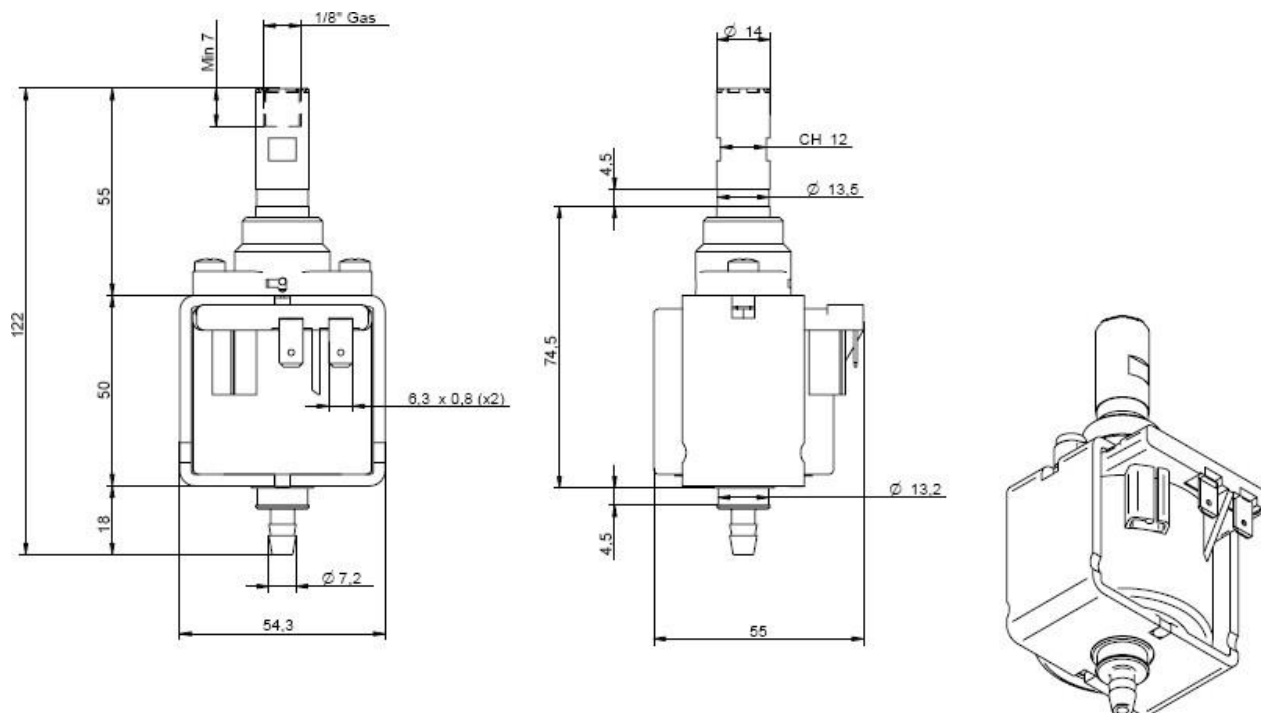


**SOLENOID PUMP
Type “E7”**

TECHNICAL SPECIFICATION

OVERALL DIMENSIONS AND CONNECTION DESCRIPTION



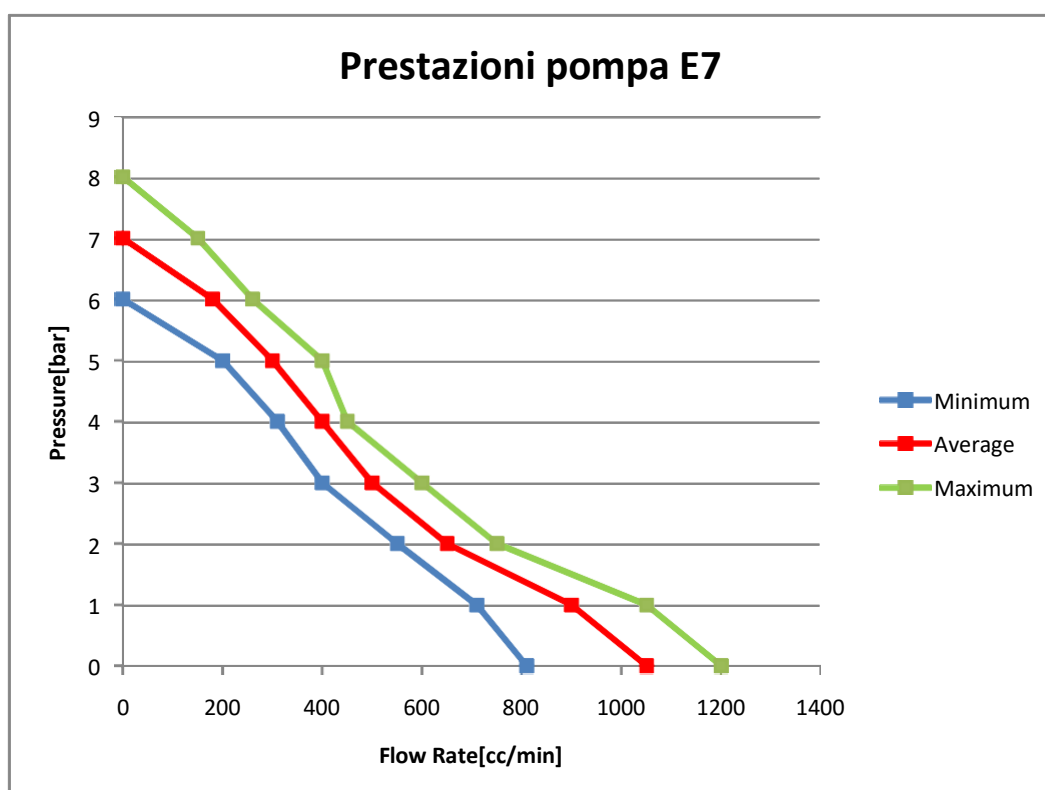
Inlet: $\varnothing 7,2$ mm barbed hose

Outlet: female thread 1/8" Gas

Electrical connection: 6,3 x 0,8 fast-on terminals

PERFORMANCES AND SCHEME METHOD

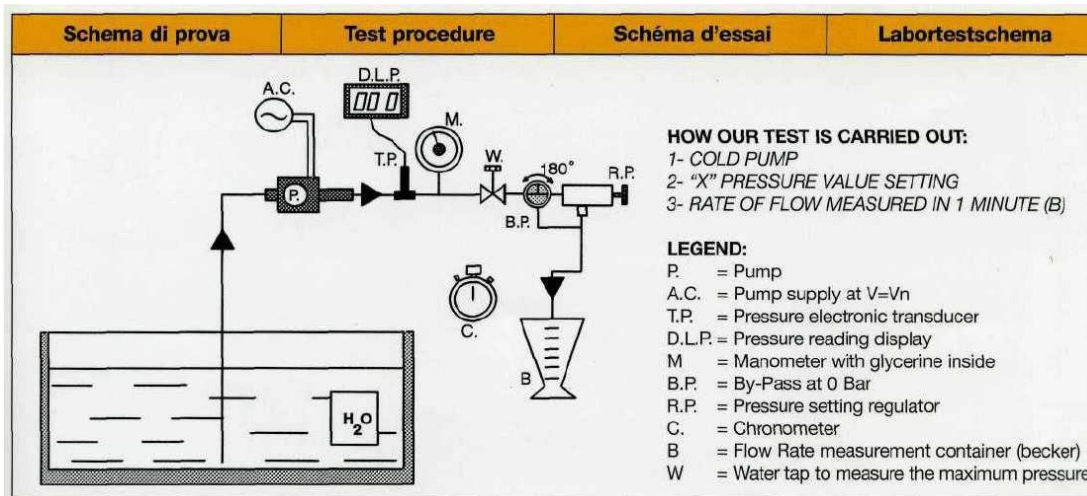
Pressure [bar]	Flow rate [cc/min]		
	Minimum	Average	Maximum
0	810	1050	1200
1	710	900	1050
2	550	650	750
3	400	500	600
4	310	400	450
5	200	300	400
6	0	180	260
7	---	0	150
8	---	---	0



COFFEE DIVISION

CEME GROUP

The performances have been measured with the below circuit:



Performances can change according to the hydraulic circuit.

PRODUCTION

- **Tests on 100%:**

Dielectric test: 2500V, 1 sec – 5mA

Diode

Self priming: in 8 sec the pumps have to suck water from a tank 50 cm below

Power absorption: according label (see below)

Flow rate at 0 bar;

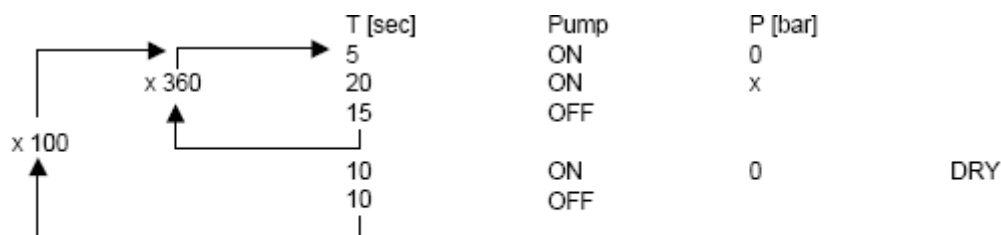
Maximum pressure.

LIFE TEST CARRIED OUT ON THE PUMPS:

Ambient temperature: 30°C +/-10°C

Water temperature: 30°C +/-5°C

Water hardness: 40 +/-5 °F



$$\text{Total ON hours} = ((5 + 20) * 360 + 10) * 100 = 250$$

TEMPERATURE INFORMATION:

- Fluid temperature: 35°C
- Ambient temperature: 25°C

VOLTAGES

Type E					
Model	Voltages	ON/OFF	Class	W	Certificates
EP7, EX7, EP7GW, EX7GW	240V~50Hz	2/1	F	48	IMQ
	230V~50Hz	2/1	F	48	IMQ/VDE
	220V~50Hz	2/1	F	48	IMQ
EAP7, EAX7	220V~60Hz	1/2	A	64	c-UL
EP7, EX7	200V~50-60Hz	2/1	F	48	
	120V~60Hz	1/1	A	41	c-UL
EAP7, EAX7	120V~60Hz	1/1,5	A	52	c-UL
EFP7, EFX7	120V~60Hz	2/1	F	52	c-UL
EP7, EX7	100V~50-60Hz	2/1	F	55	
	24V~50-60Hz	2/1	F	48	

FOOD APPROVALS

Materials that come into contact with food should comply with:

- 2002/72/EC and 2004/1935/EC (Europe)
- European Food and Drug act gives maximum migration limits
- FDA and NSF (US) – NSF only for EP version

Non-BOM materials (e.g. lubricants; mold-release; detergents) that can be present on surface must also comply with above rules.

PACKAGING

- Pumps are shipped with caps on inlet and outlet;
- Pumps are packed in a carton box: 40 pumps for each; divided in 2 layers.
- Carton box are closed with metallic clips



Updating Rev.1 25/02/16