CTD

Fire-fighting

ELECTROPUMP Range

USER MANUAL

EPPM

ISO 9001:2008 REGISTERED FIRM

EN 16327

Version 3
30/08/16

Table of contents

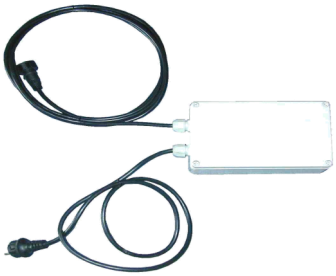
PRESENTATION

Components presentation

Aluminium storage box

12V battery power

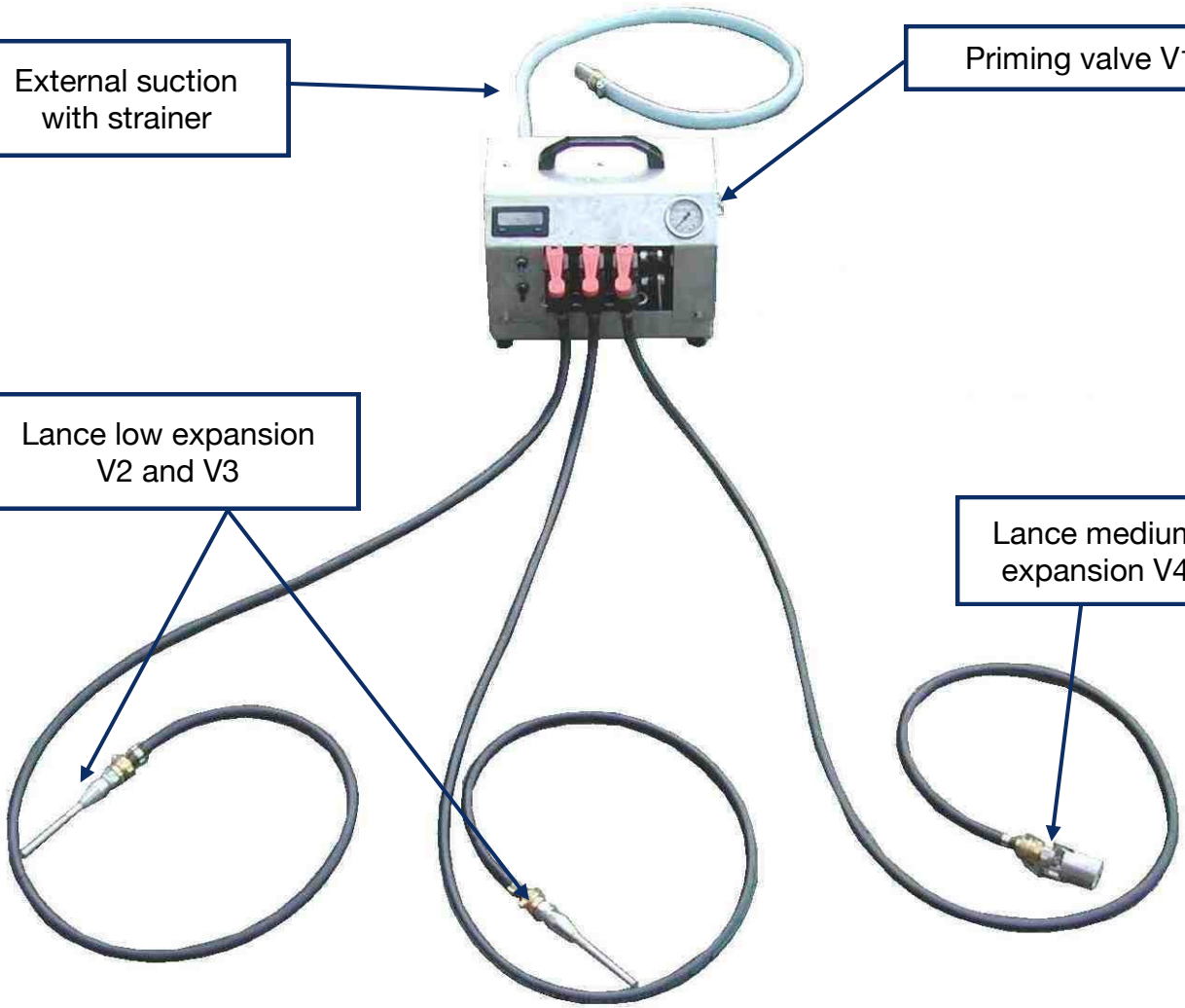
220V power mains

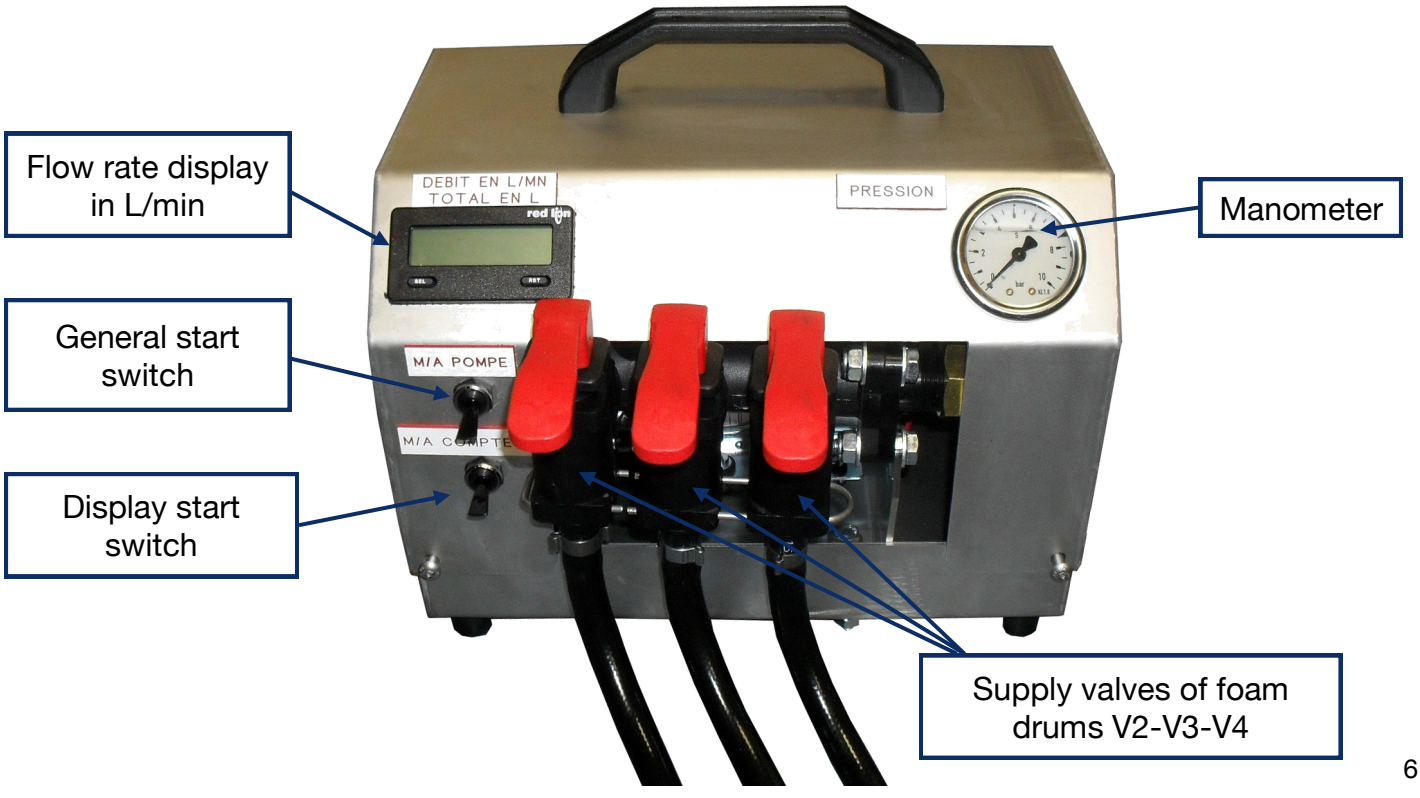


Foam production electro pump

Nozzle storage box

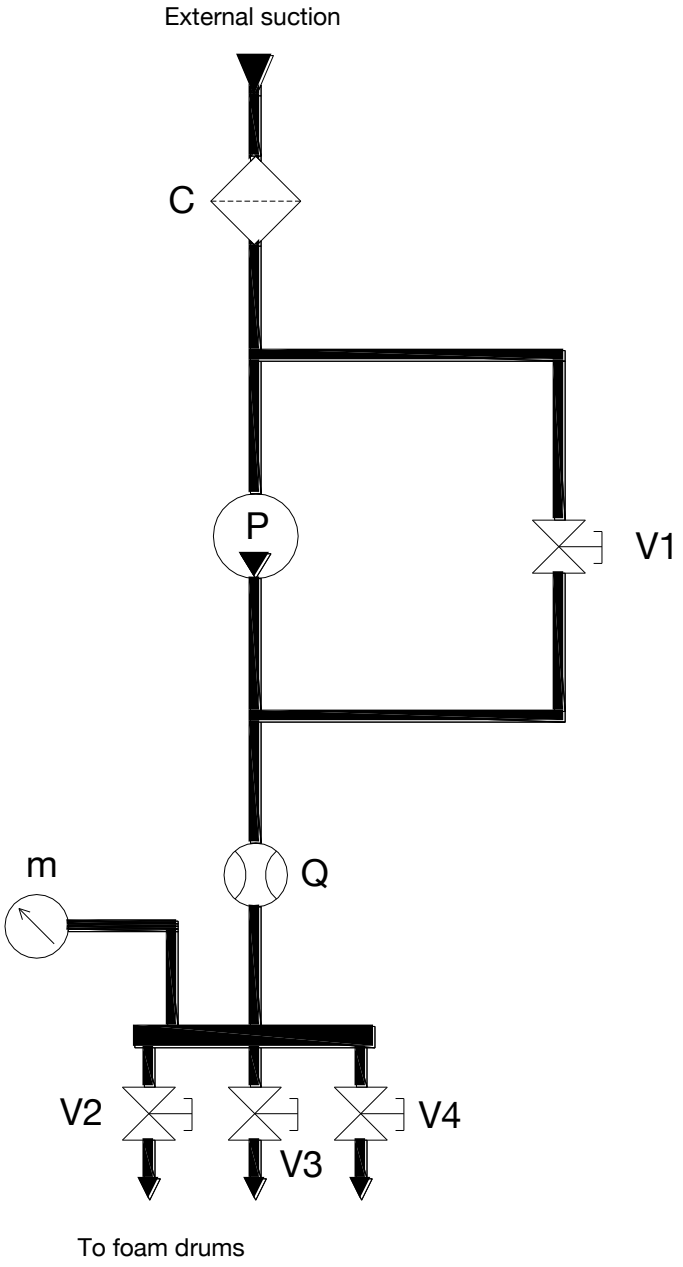
Presentation of the pump





SCHEMAS

Hydraulic diagram



V1 : Priming valvee
V2 : Low expansion valve
V3 : Low expansion valve
V4 : Medium expansion valve
C : Strainer
P : Pump 12V
Q : Flowmeter
m : manometer

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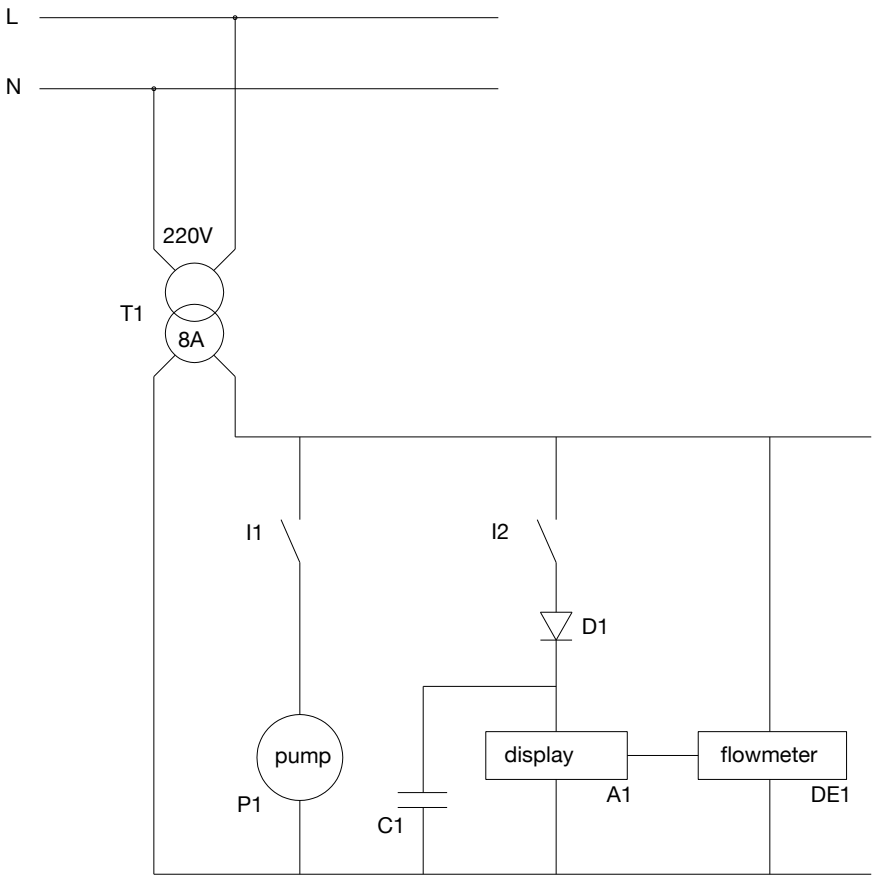
N°identification :	Matière :
Ensemble : EPPM	Ech.: 1:1
	Date : 22/02/16
Désignation : Hydraulic diagram	Par : CDU

Electrical diagram



I1 : Switch On/Off pump
I2 : Switch On/Off display
P1 : pump
C1 : 10000 microfarads capacitor
D1 : Protection diode
DE1 : Counting flowmeter
A1 : Counting display
T1 : Stabilized supply 220V/12V 8A

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N°identification :	Matière :
Ensemble : EPPM	Ech.: 1:1
	Date : 17/02/16
Désignation : Electrical diagram	Par : CDU

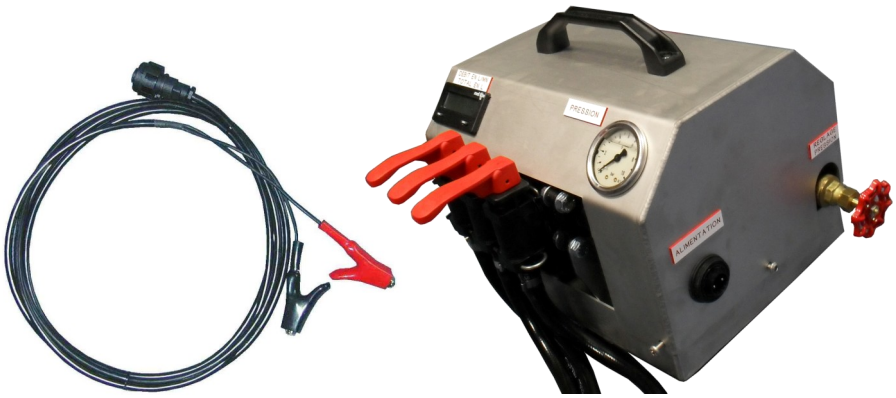
FUNCTIONING

Functioning

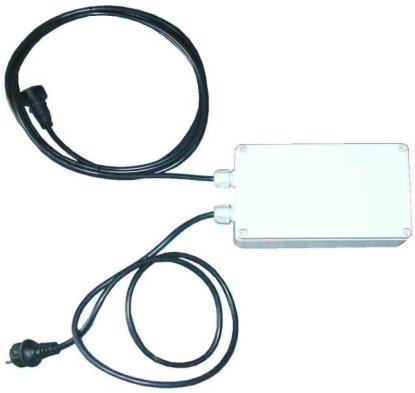
1– Pump power supply :

- Put the suction hose Ø15 in the foaming solution.
- Two possibilities of electrical connection :

12V Battery power



220V power mains

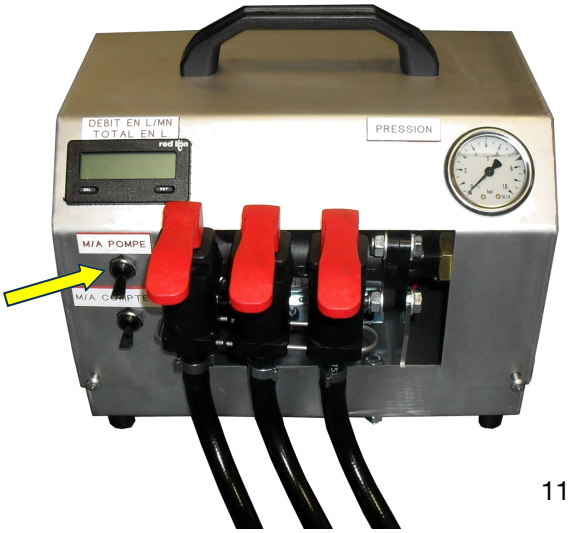


2– Starting-up the flow display :

- Switch the start button of the dispay on the top (the display shows 0.0).
- The « SEL » button allows select :
  - Either the instantaneous flow in L/min
  - Either the accumulated flow in liters (totalizer)
- The « RST » button allows to reset the cumulative flow.

3– Starting-up the pump :

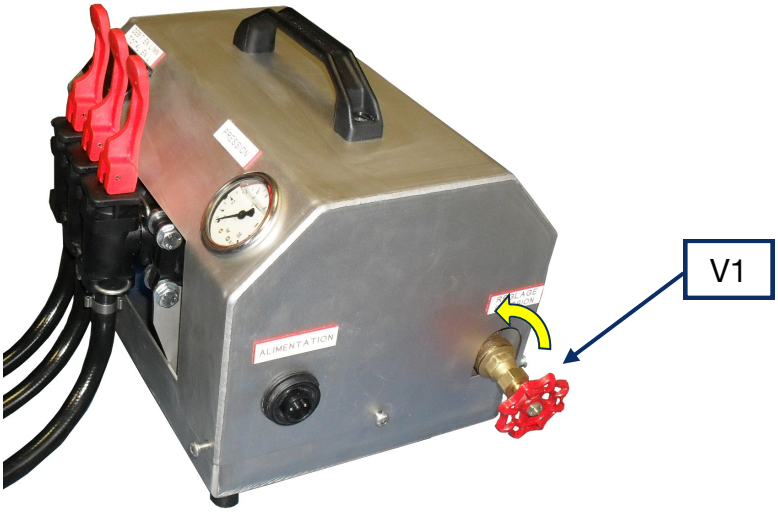
- Switch the start button of the pump on the top



Functioning

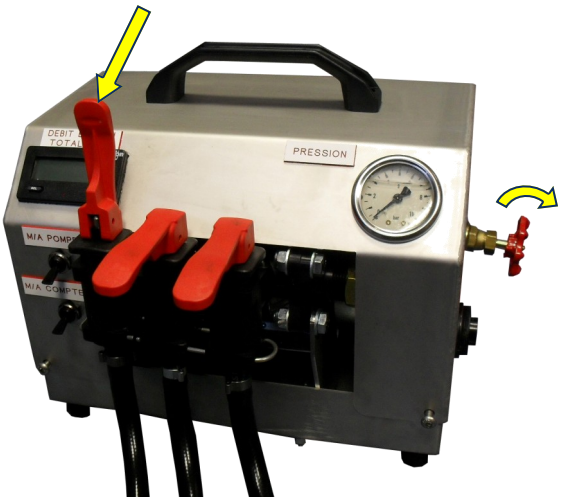
4– Pump priming :

- Open all the outputs (**V2**, **V3** and **V4**).
- Close the priming valve **V1**.
- When the liquid flows without air, priming is complete.



5– Premix using :

- Open the desired output (**V2** or **V3** or **V4**).

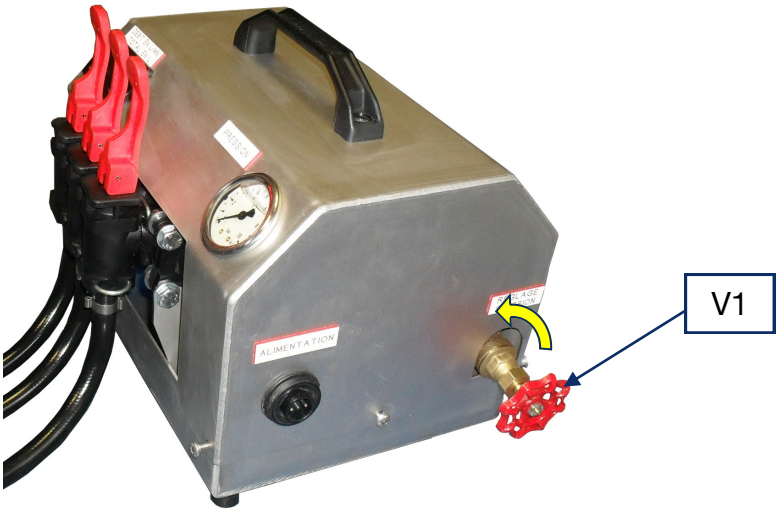


- Adjust the pressure by opening or closing the valve **V1**.

Functioning

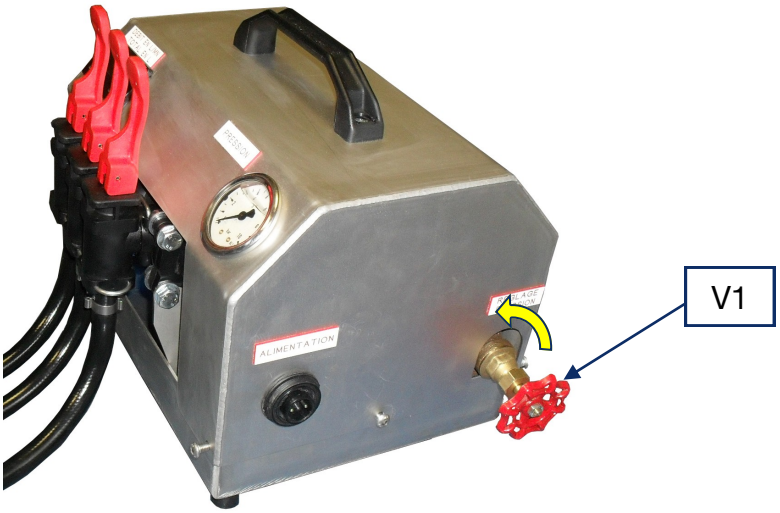
6– Flushing :

- Put the suction hose Ø15 in clear water
- Open all the outputs (**V2**, **V3** and **V4**).
- Close the priming valve **V1**.
- When clear water flows at the end of the lances, the flushing is finished.



7– Frost protection (after flushing) :

- Put the suction hose Ø15 in open air
- Open all the outputs (**V2**, **V3** and **V4**).
- Close the priming valve **V1**.
- Wait until it stops running water after lances.



ANNEXES

Spare parts

DESIGNATION	QUANTITY	REFERENCE
Pump 12 V	1	SH80543238
Flowmeter DN 8	1	Z220030
Power supply 220V - 12V	1	Z200133
Totalizer / tachometer	1	Z200010
Manometer 0 -10 bar	1	SF1622006
Switch	2	RS350204
Block 3 valves	1	AR461030
Male socket 2V	1	F314249
Female socket 2V	1	F314213
Strainer	1	SF392004
Drum low expansion	1	U030033
Drum medium expansion	1	U030034
10000µF capacitor	1	F306083
Divergent low expansion white	1	SS-DC31-NY
Divergent medium expansion yellow	1	SS-DC25-NY
Divergent medium expansion green	1	SS-DC23-NY
Divergent medium expansion orange	1	SS-DC13-NY
Lamellae filter	1	SS-4514-NY-32
Inox pastille Ø 0.79 mm	1	SS-D1
Inox pastille Ø 1 mm	1	SS-D2
Inox pastille Ø 1.2 mm	1	SS-D3
Inox pastille Ø 1.6 mm	1	SS-D4
Inox pastille Ø 1.6 mm	1	SS-D5
Inox pastille Ø 2 mm	1	SS-D6
Test tube 2L	1	765241
Jug 2L	1	717685

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