



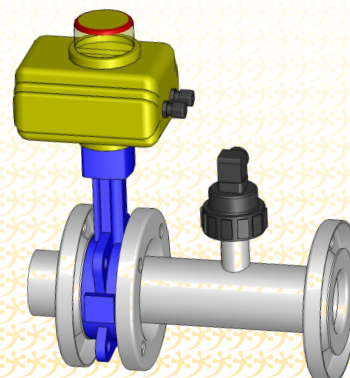
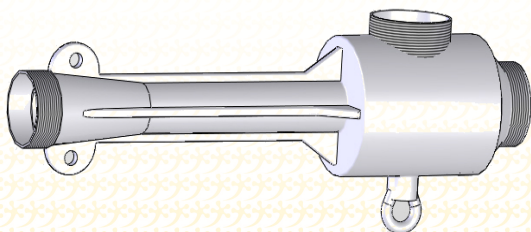
Fire-fighting



# FURCIFER Range

## USER MANUAL

### AAPS 300 - AAPS 600



Version 3  
02/08/16



# History of modifications

Date	Version	Modification	N° pages modifiées
04/02/16	2	New graphic charter	All
02/08/16	3	Changing Name AAPS → FURCIFER	All



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# Performances

## THE PERFORMANCE OF the FURCIFER depends on the following criteria:

- 1 - The **"MINIMUM"** flow range (in litres/minute) is defined by the minimum flow required to ensure that regulation is stable.
- 2 - The **"MAXIMUM"** flow ranges are given according to:
  - Truck' water pump performance
  - The possibilities for transit in supply pipes of Ø 100 - 125 - 150 - 200.
- 3 - The flows and concentrations correspond to the use of foaming agents.

### FURCIFER 300

Type of concentration keys		1 %	2 %	3 %	4 %	5 %	6 %
Pre-mix outlet flow rate	Minimum	3000	1500	1000	750	600	500
	Max DN 100	5000	5000	5000	5000	5000	5000

### FURCIFER 600

Type of concentration keys		1 %	2 %	3 %	4 %	5 %	6 %
Pre-mix outlet flow rate	Minimum	6000	3000	2000	1500	1200	1000
	Max DN 150	12000	12000	12000	12000	12000	10000

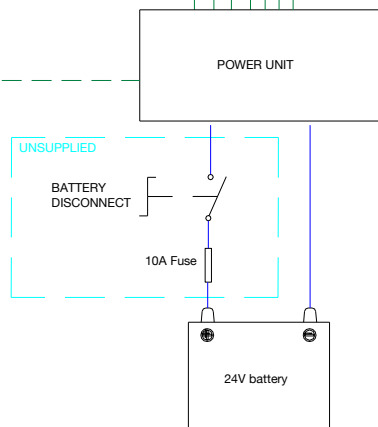
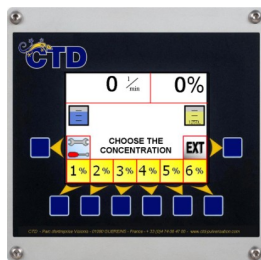
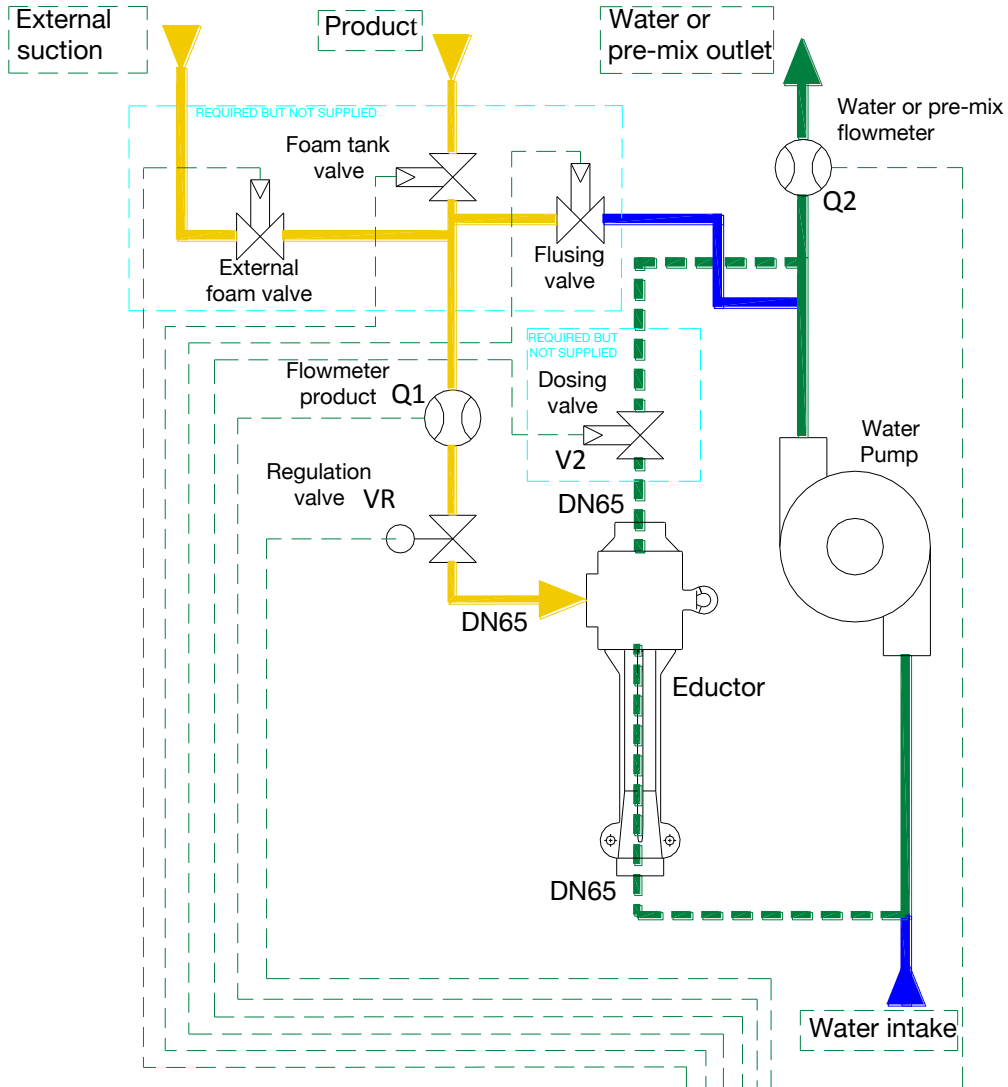
SCHEMATIC

DIAGRAMS





# Schematic diagram FURCIFER 300



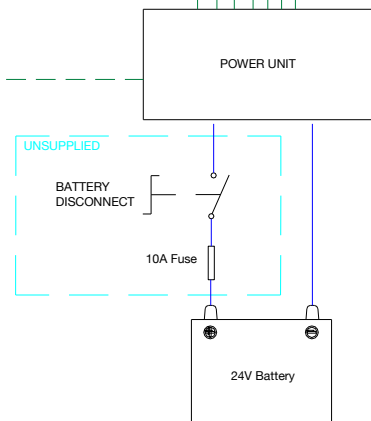
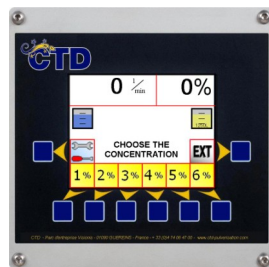
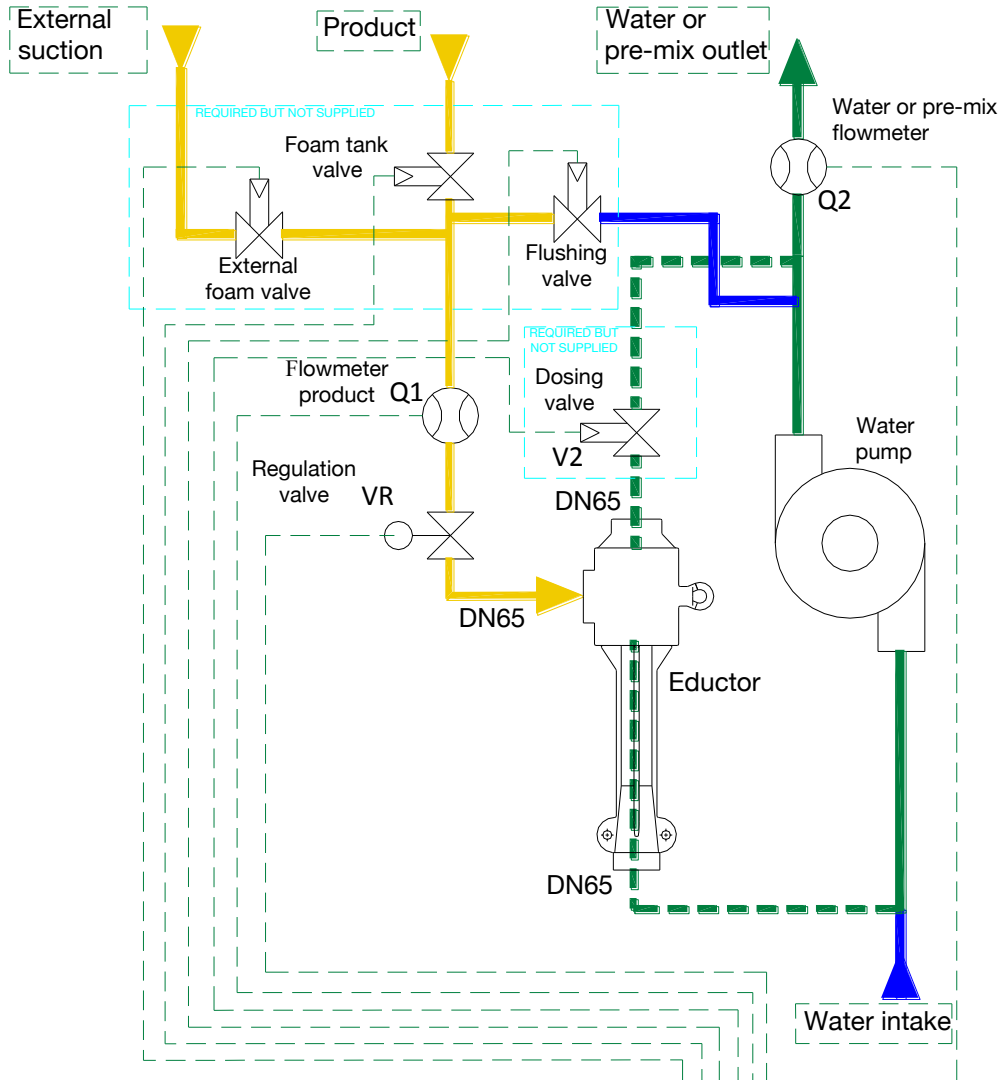
Parc d'entreprises Visionis  
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Tel: 04 74 06 47 00  
info@ctd-pulverisation.com

N°identification :	
Ensemble : FURCIFER 300	
Désignation : HYDRAULIC DIAGRAM	

Matière :
Ech.: 1:1
Date : 02/08/16
Par : CDU



# Schematic diagram FURCIFER 600



  
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N°identification :  
 Ensemble : FURCIFER 600  
 Désignation : HYDRAULIC DIAGRAM

Matière :  
 Ech.: 1:1  
 Date : 02/08/16  
 Par : CDU



PRESENTATION

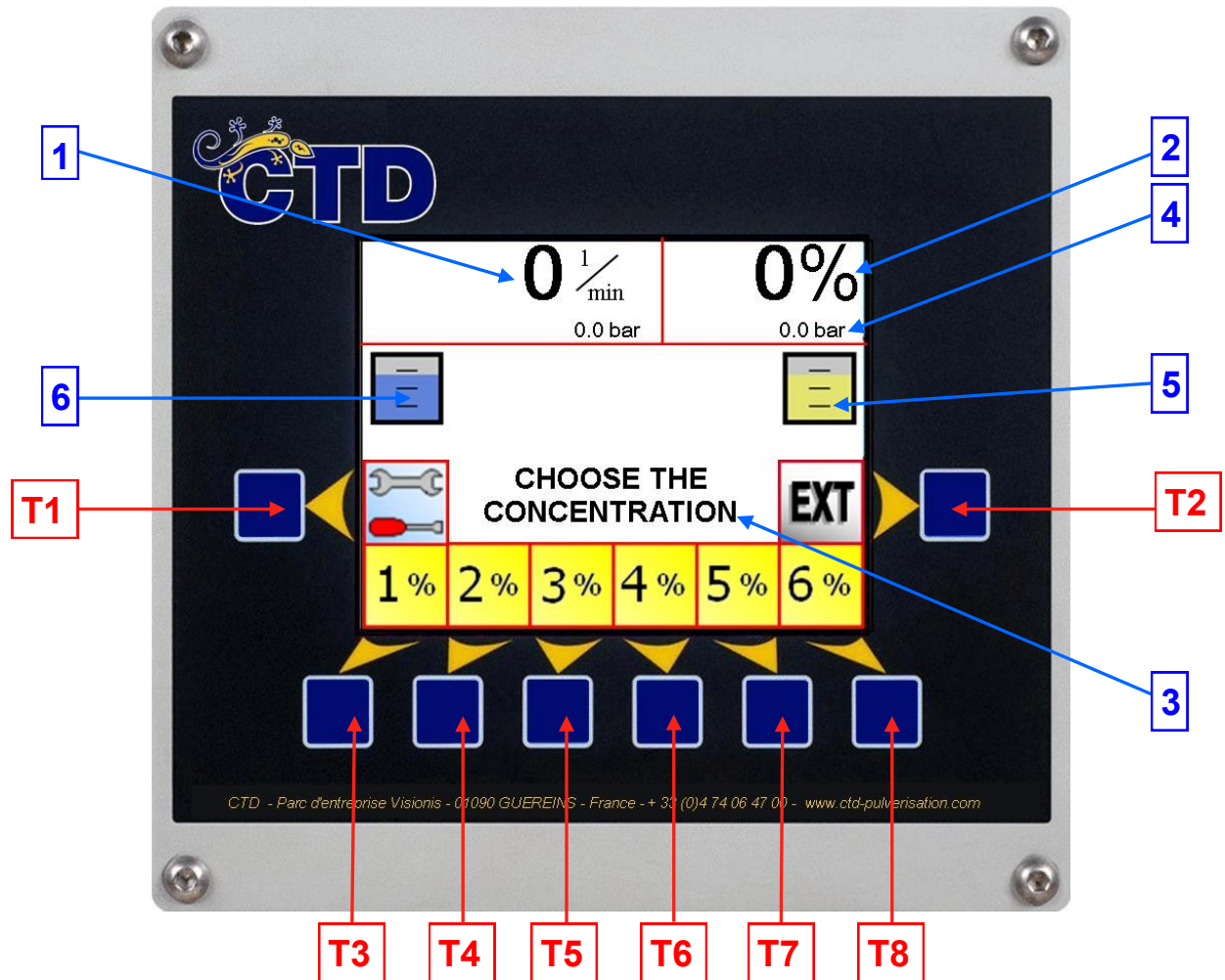
OF THE SCREEN







# Home and intervention screen



## KEYS FOR STARTING UP AND USING THE UNIT

**T1** Key to access the maintenance screen

**T2** External suction key (Option)

**T3 to T8** Intervention selection keys (Automatic selection of concentration)

## DATA DISPLAY

**1** Flow in Litres/minute (e.g. **920** L/min)

**2** Concentration in%

**3** Intervention information

**4** Injection pressure

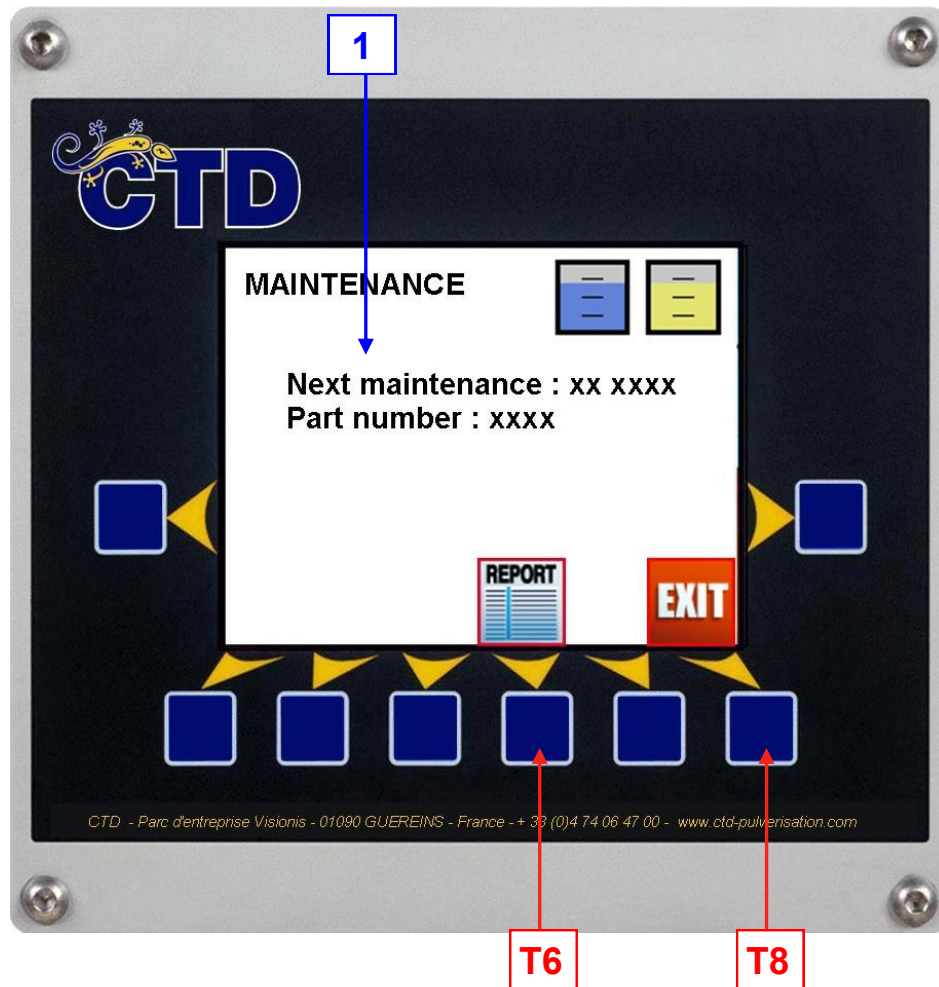
**5** Level of FOAM CONCENTRATE tank (Option)

**6** Level of WATER tank (Option)



# Maintenance screen

- Access using the T1 key in the intervention screen
- Access is locked when the product is added and during flushing



## KEYS USED

**T6** “LOG” key

**T8** “EXIT” key = Return to the “INTERVENTION” screen

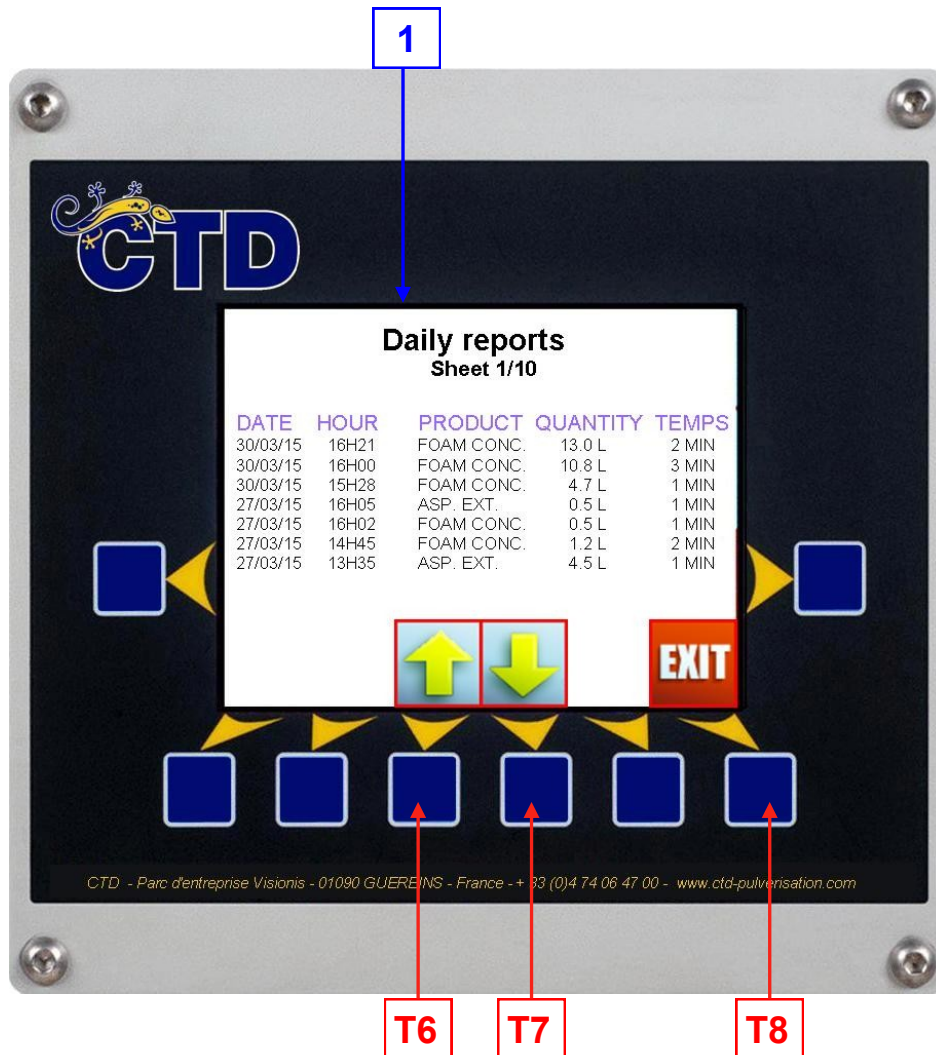
## DATA DISPLAY

**1** Date of next servicing and FURCIFER serial number.



# Log screen

- Access using the T6 key in the maintenance screen



## KEYS USED

**T6** "PREVIOUS PAGE" key.

**T7** "NEXT PAGE" key.

**T8** "EXIT" key = Return to maintenance screen.

## DATA DISPLAY

**1** Log (Date - Time of start of intervention - Type of product used - Quantity - Duration of intervention).

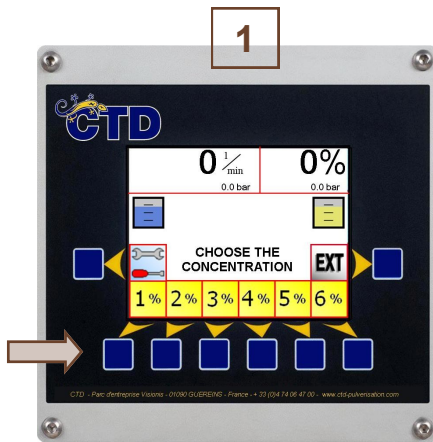
**INTERVENTION**

**PROCEDURE**



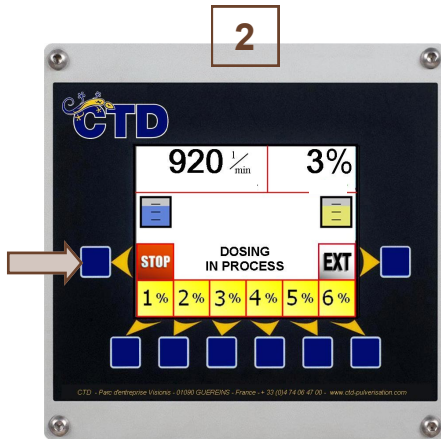


# Intervention procedure



- The FURCIFER is ready to use as soon as the power to the vehicle is switched on using the battery isolation switch.

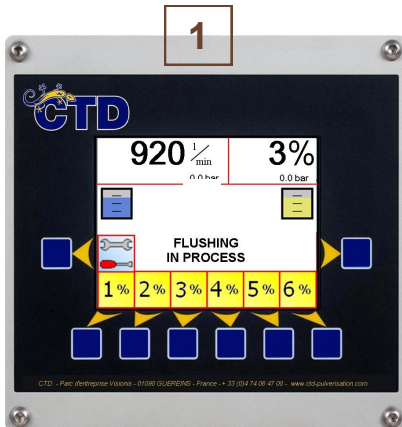
- Select the type of fire using the concentration selection keys T3 to T8 (1).



- The dosage is automatically adjusted when the water flow rate exceeds 100 l/min. The FURCIFER ensures the concentration is steady, regardless of variations in flow rate.

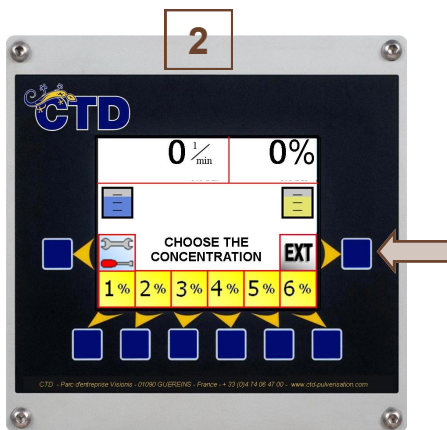
- When the intervention is finished, press the “**STOP**” key (3).

# Options available during the intervention



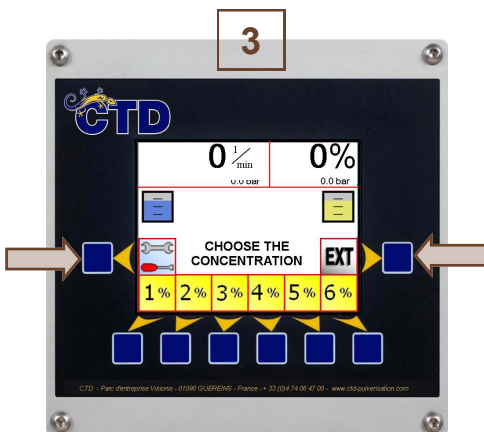
## FLUSHING OPTION (1) :

- Flushing is done automatically after a few seconds (4). During flushing, liquid runs out under the truck to rinse the system quickly and efficiently (approximately 45 seconds).
- You can re-select a concentration at any time by simply pressing the type of fire required.



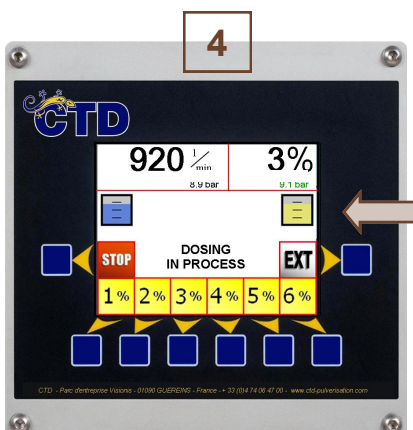
## EXTERNAL SUCTION OPTION (2) :

- You can connect an external product source at any time during an intervention:
- Connect the suction rod to the external suction connector and insert it into a container of product.
  - Select the “EXT SUCTION” key.
  - The operating mode is the same as that described above (Priming takes longer to ensure proper operation).



## TANK LEVEL OPTION (3) :

The FURCIFER can display the levels in the water and foam concentrate tanks.



## AUTONOMY OPTION (4) :


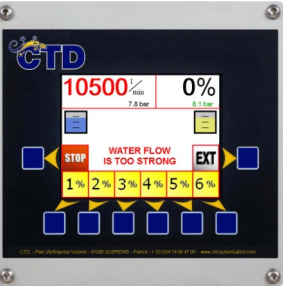
If the option is selected, the FURCIFER calculates the remaining autonomy while the product is being measured out. Autonomy is displayed in minutes under the tank of product used.

This autonomy is calculated according to the level of product remaining in the tank and the product proportioning flow rate. If less than 2 minutes of autonomy are left, display of autonomy disappears and the message “TIME REMAINING < 2 MIN” flashes on the right of the level in the water tank.

=> Prepare to switch to an external product source if possible.



# Specific messages during the intervention

MESSAGES	CAUSES	SOLUTIONS
<p><b>Flow rate too low</b></p> 	<p>The message appears if the water flow rate falls below 100 l/min or if the performance of the motor pump does not allow the product to be proportioned according to the water flow rate and concentration selected.</p>	<p>Increase the flow rate in the hose nozzle. Increase the concentration selected.</p>
<p><b>Flow rate too high</b></p> 	<p>The message appears if the water flow rate is too high for the FURCIFER to achieve the quantity requested. However, it continues to add the maximum quantity. The value of the concentration displayed is the real value and will be less than that requested.</p>	<p>Reduce the flow rate in the hose nozzle. Reduce the selected concentration.</p>

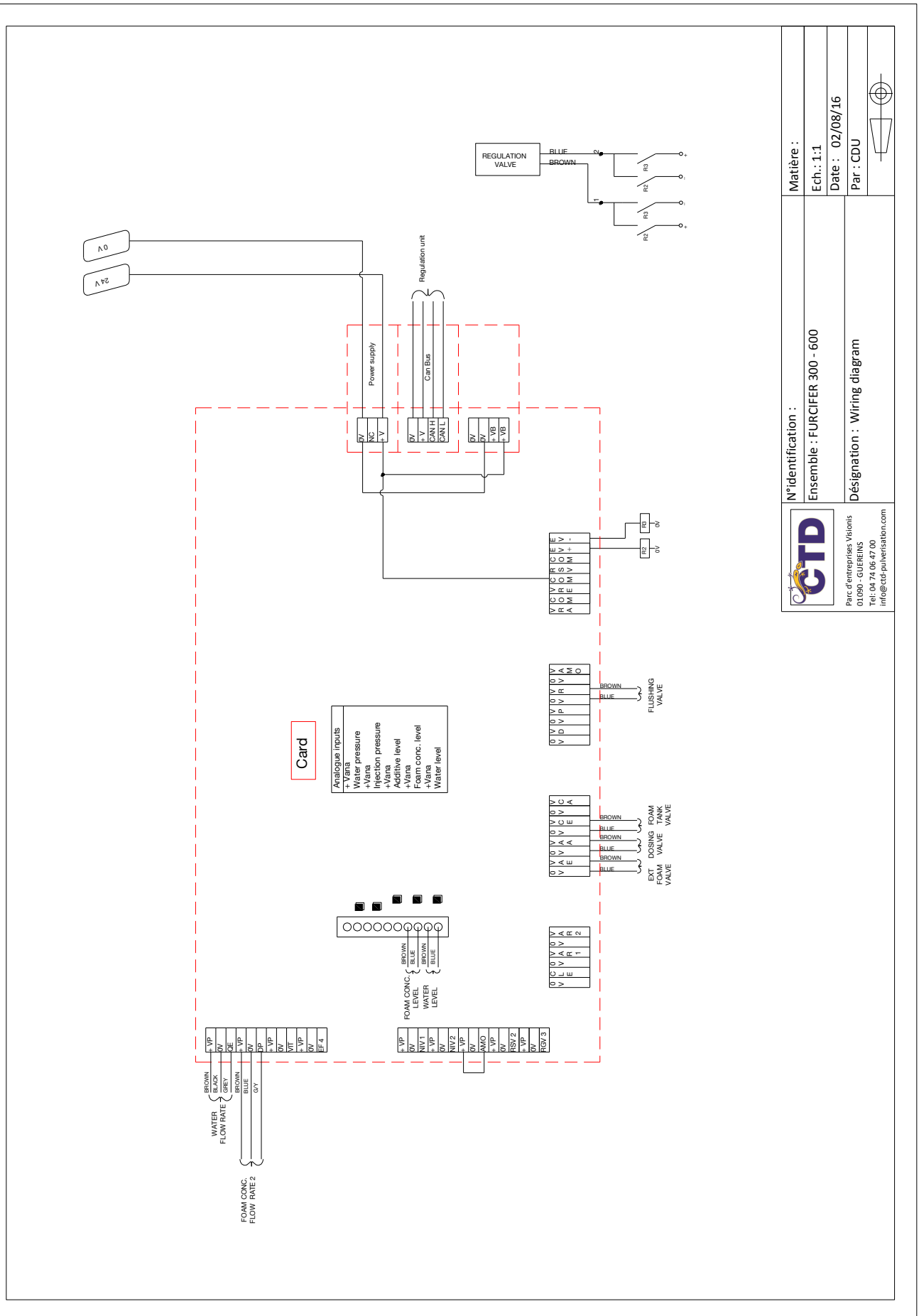
# APPENDICES







# Wiring diagram FURCIFER 300 - 600



N° identification :	
Ensemble : FURCIFER 300 - 600	
Matière :	
Ech. : 1:1	
Date : 02/08/16	
Par : CDU	
Désignation : Wiring diagram	
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