

# HMI (Human Machine Interface) System User Manual

March 2021

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### 1. Screen's Definition :



# Main Screen

**1.1** Main screen glossary :

The main screen giving access the system when you press "LOCKED " (#4) screen button.

1: Pump #1: Button "Auto": choose if you want put in automatic mode or manual mode.

2: Pump #2: Button "Auto": choose if you want put in automatic mode or manual mode.

3: Settings: Giving access for all system settings.

4: LOCKED: Security access button. Need to press for accessing HMI System.

5: SYSTEM OK: Define if the system is up and running.

6: EMERGENCY STOP: Press when you want to stop the system in emergency mode.

7: SCALE: Graphic scale.

8: SETPOINT: Setpoint setting that you determine in feet.

# 2. First step: Unlock your screen.

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Multi-pump state	Speed (Hz)	Curr	ent (A)	Run time (	Hr)		0.	0
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SETTINGS	LOCKED		SYSTE		EN	1ERGENC	0.0_ Y STOI	>
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### 2.1: Need to press "LOCKED" function:

### 2.2: Press '1111' (1) for unlock function and press "ENT" (2) :

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ត្រ		AB	20 M 03, cc	0:21:33 ONDAY /29/2021 DNNECTED	3		lo-Fab pun Release	Home np system HMI for Vacon Version : 1.8 d : 2021 02 23	Setpoir O.O FT	nt )
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P1 1	Not used	Password	d				×		0.0	
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		4	5	6	7	<	>			
P2 1	Not used	8	9	А	в	CLR			5.0	
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									0.0	
SETT	TINGS	LOCKED			SYS			EMERGENCY STOP		
				1			1			

### 2.3: Access to you HMI System:

### After unlocking HMI, you see that the status of the HMI is "UNLOCKED" (1).



Now, it's time to configure your system.

## 3. Configure you HMI System:

### Go to settings (1):



#### **3.1** Discovering Settings.



### 3.1 Settings definition.

1: ACCEL. TIME: put number of second that you need for accelation.

**2: DECEL. TIME:** put number of second that you need for deceleration.

**3: SLEEP FREQUENCY:** put number of Hertz for the sleep frequency.

4: SLEEP DELAY: put number of second for sleep delay

5: WAKE-UP DIFFERENTIAL: put number of feet about differential.

6: After finishing enter first page of setting, click "NEXT".

7: Return to home page.

#### 3.3 Settings: second section.



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3.4 Second section definition.

1: PID MIN FREQUENCY: Put the number of Hertz for minimum frequency.

2: PID MAX FREQUENCY: Put the number of Hertz for maximum frequency.

**3: AUTOCHANGE INTERV.: Put number of hour and minute for auto-change interval.** 

4: You can click PREVIOUS if you want to go first page of settings.

5: You can click HOME to go home page.

## 4.0 Emergency Stop.



### When you press Emergency Stop button (1), see next page the status:

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	ात्त्व		: <b>11:49</b> SDAY 0/2021 NECTED	Flo-Fab pu Releas	Home mp system HMI for Vacon Version : 1.8 ed : 2021 02 23	•
	Multi-pump state	Speed (Hz)	Current (A)	Run time (Hr)	0.0	)
1	P1 Not used	24 36 12 48 0.0 60 Auto	AMPS 0.00 F.L.A. 0.00	O SET A VALUE SET ALARM	0.0	
2	P2 Not used	24 36 12 48 0.0 60 Auto	AMPS 0.00 F.L.A. 0.00	O SET A VALUE ALARM	0.0 0.0 0.0	
	SETTINGS	UNLOCKED	SYST	EM OK	STOPPED	

- 1: Pump #1 turns OFF status and close the system.
- 2: Pump #2 turns OFF status and close the system.
- **3: Status of emergency turns to STOPPED.**

For restarting system, click on STOPPED (3) and system will be restarting with the same settings.

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