

## DAV TECH CONTROLLER FOR PCP PUMPS

The **PCP** pump controller is based on a 7" multilingual operator panel with an immediate interface. The controller allows rapid setup and commissioning of the system, guaranteeing the possibility of saving hundreds of different programs, each with its own customized dispensing parameters.

Interfacing to PLCs or production monitoring systems is simple and allows you to check or modify the parameters of dispensing system at any time.

An Ethernet port then guarantees the possibility of carrying out remote assistance operations.



### Functions example

Screen "Work"



Screen "Input-output state"



Screen "Recipes"



## DAV TECH SRL

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### FIELD OF APPLICATION:

- > Control and management of PCP progressive cavity volumetric pumps.
- > Communication and data exchange with PLC or various interfaces.

### FEATURES:

- > 7" TFT LCD Touchscreen display
- > Multilingual interface
- > Assistance, operation monitoring and SW updates possible remotely via Ethernet connection.
- > Digital I/O communication, Modbus TCP/IP and Modbus TCP/IP + digital I/O.
- > Encoder control system for dispensing management with closed-loop logic.
- > Recipes that can be recalled via external signals.
- > Real time count of the volume dispensed.
- > Settable minimum level management.
- > Settable automatic purge.
- > Weight count method using specific weight.
- > Outlet pressure real-time monitoring.
- > Possibility of direction reversal for suck-back function.
- > Dispensing pause and resume function.

### TECHNICAL DATA

| ITEM                  | CONTROLLER PCP                       |
|-----------------------|--------------------------------------|
| Dimensions            | 245mm (W) x 190mm (H) x 325mm (D)    |
| Weight                | 6Kg                                  |
| Power In/Output       | AC100V – 240V, 50/60Hz, DC24V (max.) |
| Consume               | 250W                                 |
| Operating Mode        | Filling / Line                       |
| Display               | 7" LED Backlight TFT LCD, Touch      |
| Controlled pumps      | 1                                    |
| Pressure sensor       | OK                                   |
| External Control      | OK                                   |
| Input signal          | OK                                   |
| End dispensing signal | OK                                   |
| Usage temperature     | 10 – 40 °C                           |