

## APS 001 10 LT. Hydropneumatic unit for washing and upgrading health facilities in underfloor heating and sanitary systems for residential use.

### Technical description

Hydropneumatic unit complete with dry-running air compressor, digital control panel, EC stainless steel 10 LT. tank, digital electronic unit for the operating cycles configuration and displaying the instantaneous flow speed into pipes, with adjustable pipes diameter set by user.

The unit can be arranged ready to install a dosing system for cleaners and protective products for the heating panel systems and small systems for residential purpose. The electronic system of the machine manages all the operating parameters of the solenoid valve. The combined air-water flows are adjustable from the panel by the step by step mode. The machine offers a panel detection system for monitoring the instantaneous speed flow and a regulation system for the pressure of the mains water.

The machine is designed and built to be in compliance with the UNI 9182 and DIN 1988 part.2 technical requirements.

### Applications

- **Washing and cleaning of existing thermal systems**
- **Existing underfloor and heating systems cleaning**
- **Sanitization and disinfection of sanitary systems and accumulation kettles in new installations**

#### Plus

- Setting up multiple cycles
- Tube circuit return display
- USB output: data download/test report
- EC stainless steel 10 LT air tank



### Basic functions

Water pressure display

Air pressure visualization

Mains water pressure adjusting

Air pressure setting

Initial setting of the minimum and maximum diameter of the system pipes

Heat fluid carrier flow calculation and view

Three types of cycle: water only/air only/water and air/intermittent capability to adjust the air valve opening times

Selection of the number of pulses per minute, and times of opening for the solenoid air valve

Working time adjusting

OILLESS without compressor lubricants

Air cleaner 99.97% to 0.01  $\mu$  / mm

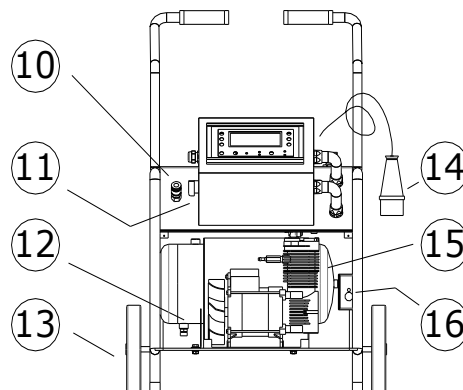
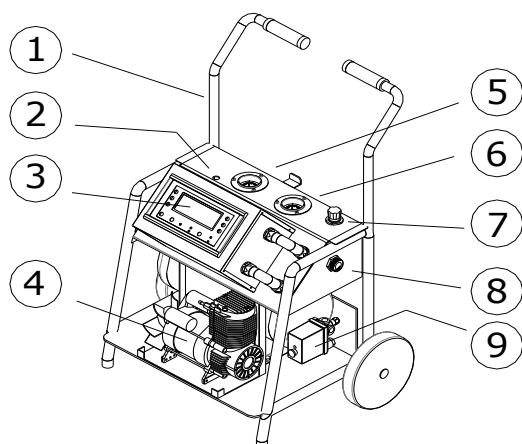
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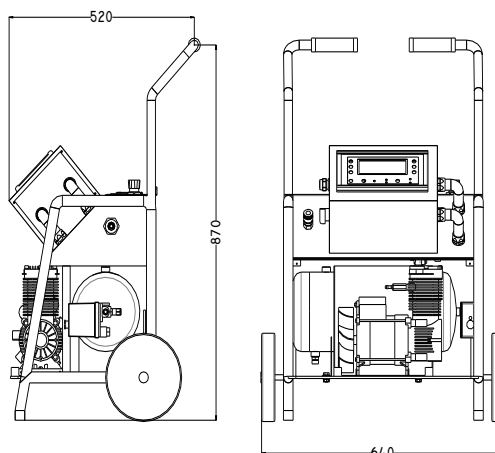
## General technical features



## Description of the main installed components

- 1 - Painted metal structure on wheels
- 2 - Mains water pressure regulator
- 3 - Electronic control panel
- 4 - Air compressor
- 5 - Set water pressure gauge
- 6 - Regulated air pressure gauge
- 7 - Compressed air regulator
- 8 - Air water mixture outlet
- 9 - Air manostat
- 10- Air direct intake
- 11- ON-OFF switch
- 12- Drain valve
- 13- Rubber wheels
- 14- Electric power cord
- 15- EC stainless steel tank LT 10
- 16- Air manostat button

## Sizes and dimensions



## ELECTRONIC MANAGEMENT CONTROL PANEL DESCRIPTION

- 1 - Function selection keys
- 2 - Esc key to exit the configuration menu
- 3 - LCD display
- 4 - Solenoid valve operating parameters of pulse-time-openings and closures decreasing key
- 5 - Solenoid valve operating parameters of pulse-time-openings and closures increasing key
- 6 - Enter key
- 7 - Reset button to cancel error codes
- 8 - Safety alarm red light
- 9 - Power on yellow indicator
- 10-STOP
- 11-START

