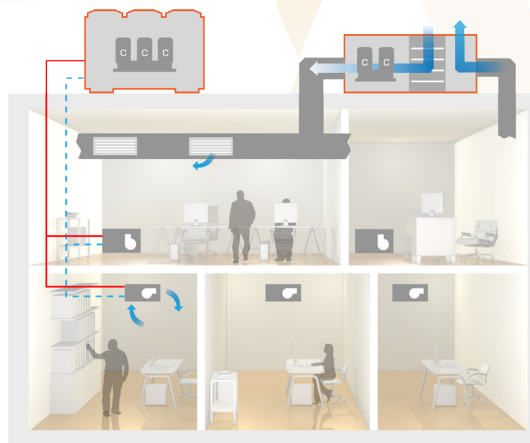




- Flexible and guaranteed comfort in all conditions
- Easy to use
- Increased system reliability
- Prompt corrective and emergency actions
- Energy optimisation
- Increased system service life



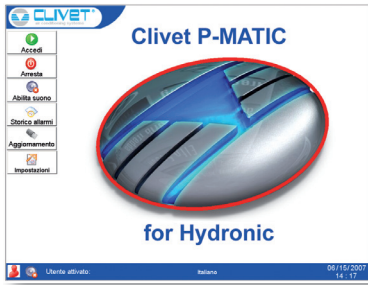
Clivet P-MATIC for Hydronic

Supervision System specialised in the management of hydronic climate control systems with Clivet heat pumps



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Clivet P-MATIC for Hydronic is the Clivet-designed supervision system for monitoring its units and the plumbing system that serves the climate control system. The system is enabled to control the following system types:

- Hydronic (two and four-pipe) with fan coil units and primary air
- Hydronic with fan coil units without primary air
- Hydronic with radiant panels

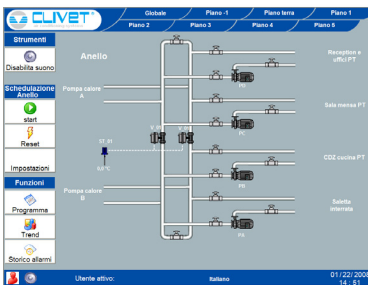
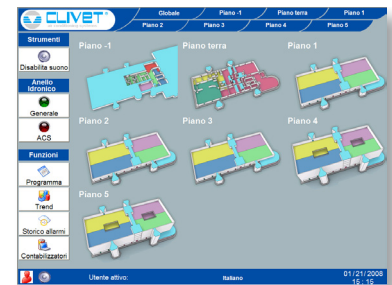
Clivet P-MATIC for Hydronic is the essential tool for supervising: office buildings, hotels, large supermarkets and shopping centres.

The system is comprised of hardware and software modules enabled to monitor, control and supervise the SPINchiller and Zephir units and the Elfo terminal units. It also manages other equipment, such as the electric pumps and extractors.

Clivet P-MATIC for Hydronic has been designed to maximise energy efficiency, flexibility of use and the reliability of the hydronic systems. In fact, it makes it possible to:

- schedule the daily and weekly operation of each unit and the other components in the system
- automatically modify the setpoints, unit by unit, on the basis of the outdoor temperature
- control the units so as to restrict energy consumption by managing total load peaks

Clivet P-MATIC for Hydronic enables the fully autonomous operation of every single component in the system, even in the lack of a connection to the supervision PC.



The software has user-friendly 3D graphics and enables the immediate identification of the rooms and units in question. The system receives and transmits data on:

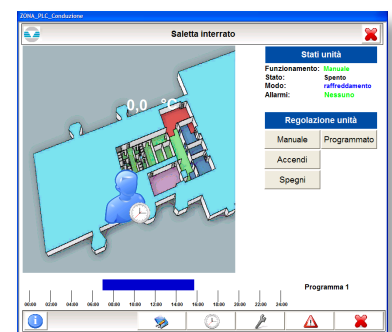
- daily, weekly and seasonal on/off times for groups or individual units
- unit events such as switching on, switching off, reports, alarms, etc.
- water temperature and controls linked to the system

The system is also able to provide a clear reading of all the variables and the parameters for every device. User access to this functional level is password-controlled.

Clivet P-MATIC for Hydronic is entirely developed and manufactured by Clivet and undergoes individual testing before delivery. The supply typically comprises:

- Supervision workstation, complete with professional Personal Computer with high frequency Intel processor, high resolution TFT monitor, DeskJet A4 printer, convertor box for RS485 serial communication and ADSL or modem remote control system.
- Control panel, with built-in microprocessors and power auxiliaries
- Area concentrators with RS485 serial port and Ethernet
- Control and supervision software
- System control elements, such as temperature and water flow probes
- Navigation menu customisation comprising graphic representations of the building in 3D and by individual floor.

Each system also comes with the Clivet check-up, training and start-up.



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