CASCADE MANAGER



Provides control for up to 160 kW or 10 Aquarea Heat Pumps.

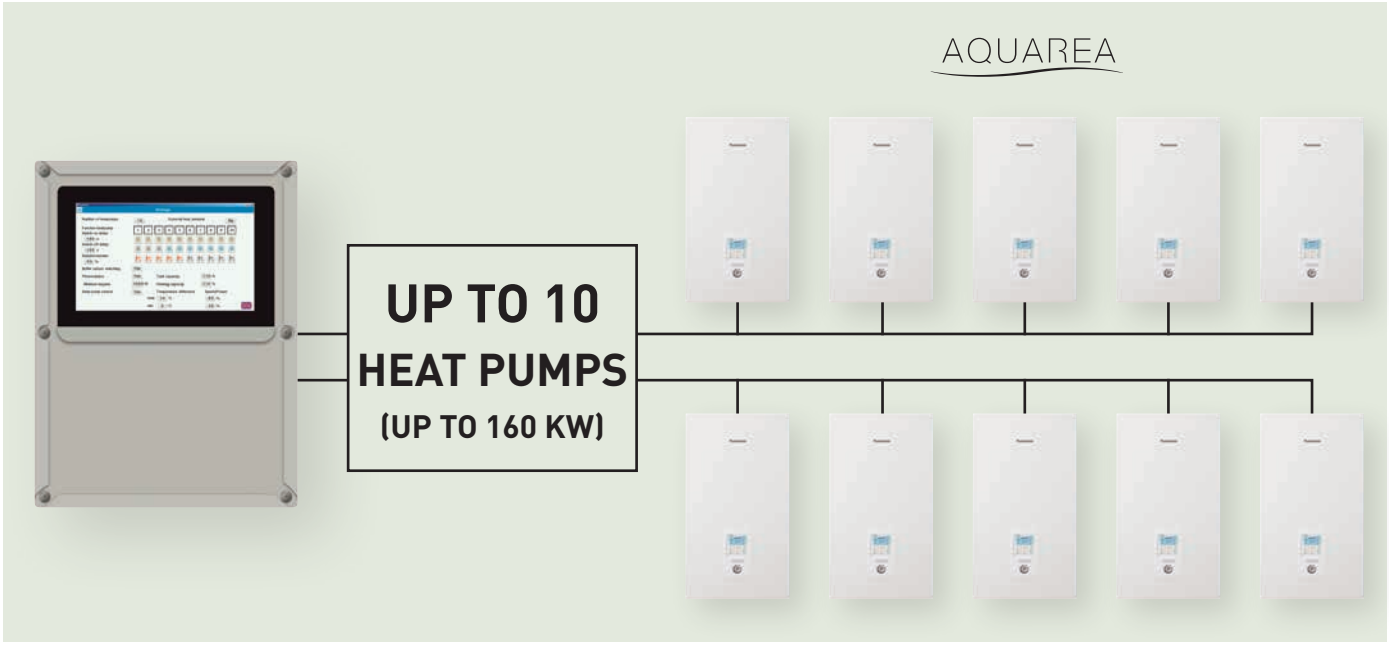
- Manages the heat demand based on a PID logic, balancing working hours
- Designed for small hotels, supermarkets, restaurants etc., and central heating projects
- Large, easy-to-use touch screen display
- Built in Modbus IP for BMS integration



heating & cooling solutions

Aquarea Heat Pumps Cascade

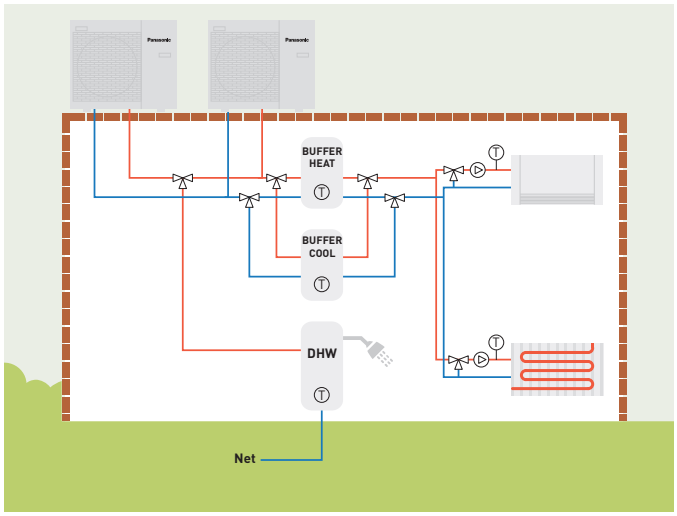
Premises across the world require efficient heating and cooling systems with the capability for remote monitoring, control and maintenance in a variety of applications. The Cascade Manager is a highly integrated interface which allows for establishments such as supermarkets, hospitals, care homes and hotels to control up to ten Aquarea Heat Pumps to remotely manage the demands for energy-efficient heating and cooling across their organisations.



PAW-A2W-CMH-2. Cascade Manager

Manages the heat demand, balancing working hours.

- Touch display providing intuitive control
- Integration of photovoltaics (PV optimised algorithm)
- Can control 3 way valves for cooling (2 buffer tanks)
- Heating / cooling 0-10 demand signal – controls target outlet temperature
- DHW control
- Energy meters compatibility
  - Meters communication with Modbus RTU
  - Pre-configuration of 4 market popular meters
- BMS integration. LAN-Port settings with fixed IP and DHCP
- Optimised De-icing function



* Requires 1 PAW-AW-MBS-H per each Aquarea Heat Pump.

The Cascade Manager has a large, easy-to-use touch screen display and provides control for up to 10 Aquarea air to water heat pumps, to run simultaneously or in cascade mode and creating a system with capacity up to 160 kW.

The Cascade Manager for Aquarea Heat Pumps manages the heat demand using a PID logic, balancing the working hours of all heat pumps and maximising the performance of the heat pumps.
It is ideally suited for residential -p.eg. central heating installations- and small commercial and hospitality applications. With its own built-in Modbus IP, the Cascade Manager can be integrated in the building's BMS.

Model name	Interface
PAW-AW-MBS-H	Modbus Interface for J and H Generation
PAW-A2W-CMH-2	Cascade
CZ-NS4P	PCB for advanced functions in J and H Generation