

Q-TON FOR CENTRALIZED DHW PRODUCTION

DESCRIPTION OF THE SYSTEM

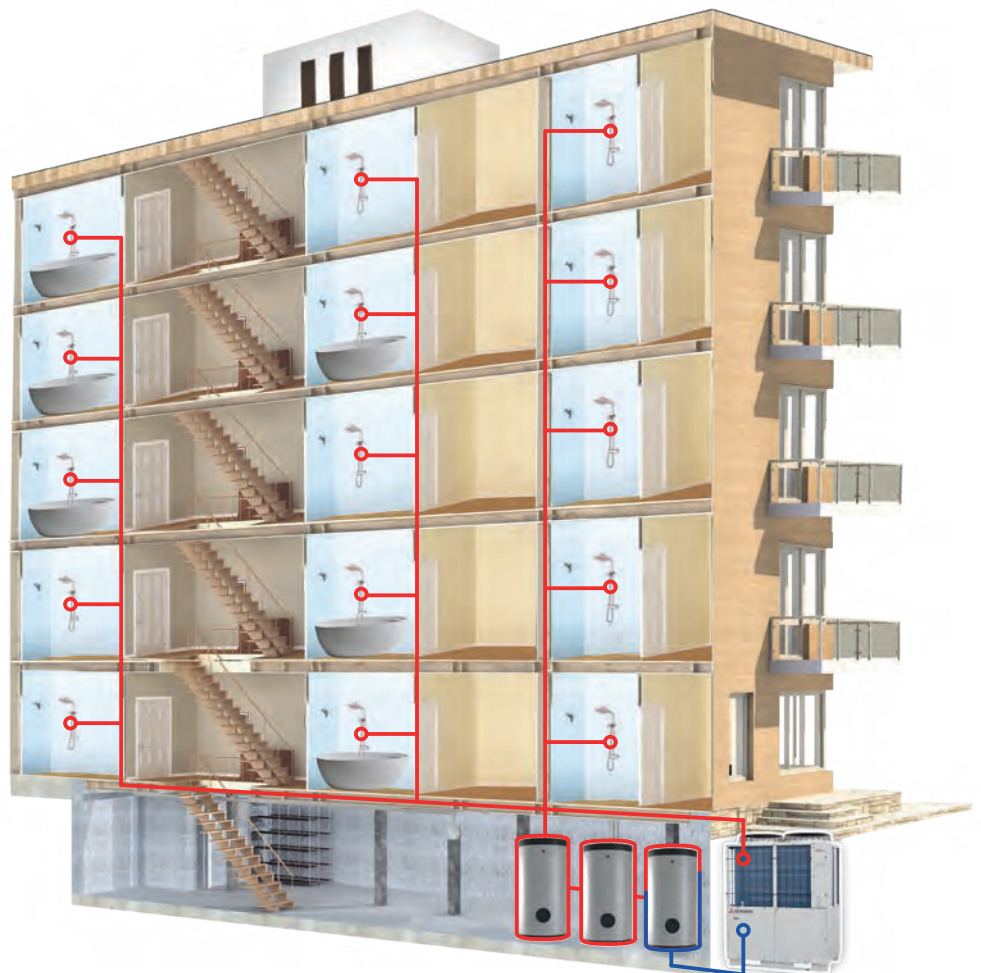
The application typology exemplified in the figure describes the system of a large condominium in which the production of domestic hot water is entrusted to the Q-ton system, a CO₂ heat pump: the system is combined with 3 stratifying tanks whose storage volume it can vary from 500 up to 4500 litres.

Q-ton produces 750 liters per hour of post-mixed hot water at 45° C, except for the energy input necessary for recirculation.

The Q-ton system can also be installed in series with tanks already present in a pre-existing system.

SYSTEM CHARACTERISTICS


4500
Liters of DHW
per day



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DESCRIPTION OF THE SYSTEM

The application typology exemplified in the figure describes the system of a hotel equipped with a SPA in which the production of domestic hot water is delegated to the Q-ton system, a CO2 heat pump: the system is made up of 2 Q-ton units, connected in series, combined with 5 stratification tanks whose storage volume can vary from 500 to 7500 litres, except for the energy input necessary for recirculation.

To satisfy the need to produce large quantities of DHW, the Q-ton system can be installed in a modular combination: it is possible to connect up to 16 units of 30 kW each, controlled by a single remote control.

Consider that a 30 kW unit can produce up to 17,000 liters of DHW per day.

SYSTEM CHARACTERISTICS

16

Connectable outdoor units

7500

Liters of DHW per day

60 kW

modular combination

