

DHW production for a micro-apartment building

Description of the installation

The application typology exemplified in the figure below describes a system inside a micro-apartment in which the production of DHW is entrusted to the Termal Monobloc R290, connected to a 300/500L or more storage boiler, depending on the occupants. The Termal R290 Monobloc is able to accumulate DHW up to 70° C with the compressor alone, using a resistance in the boiler it is possible to further increase the temperature.




Calculation according to UNI TS 11300-2

 3
apartments

 300/500 L
total DHW requirements per day

 Up to 70°C
water temperature inside
the tank

 40°C
water supply
temperature to
utilities