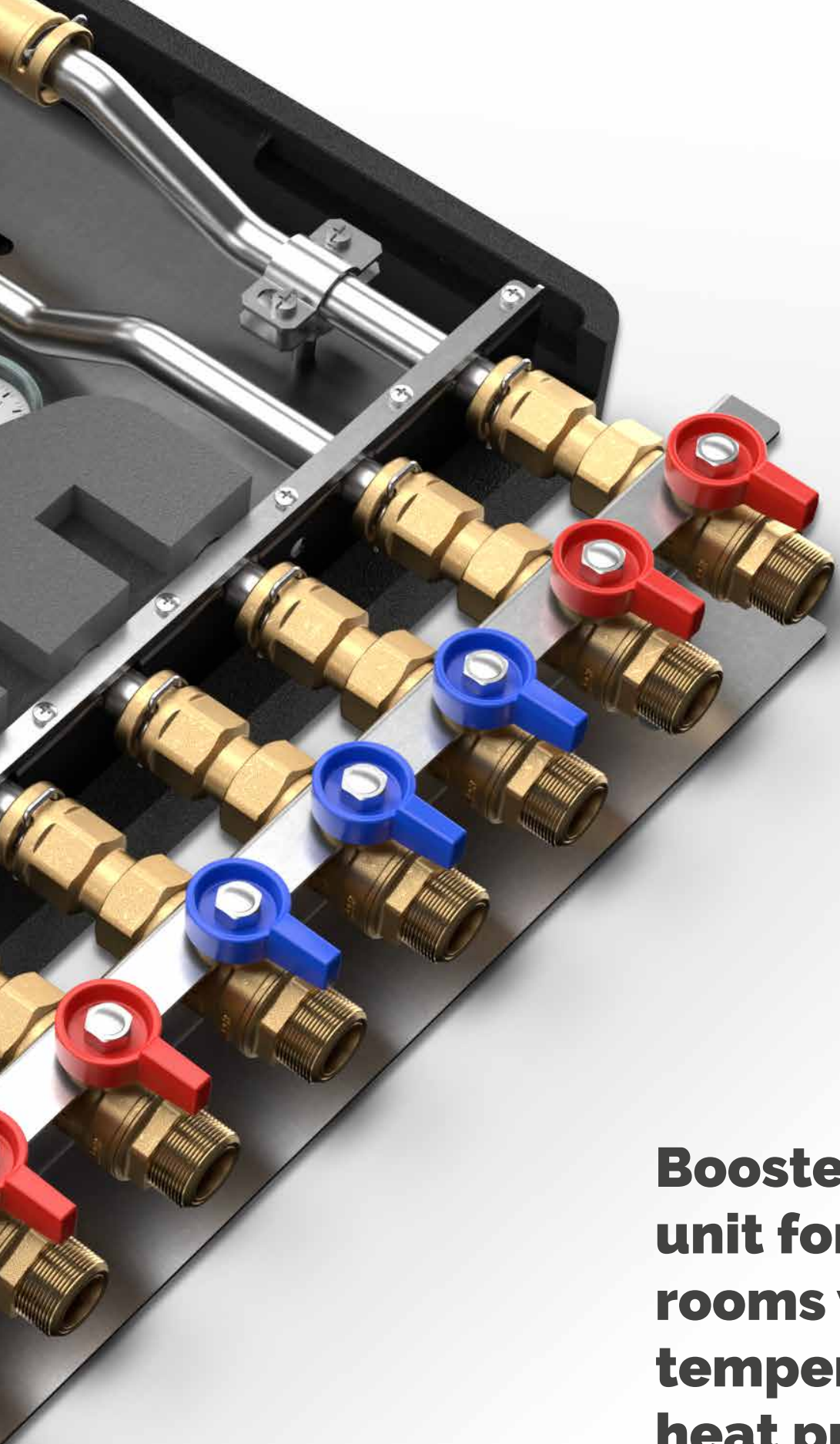


Energy
Management

EE0022 DIC2024

Booster hydronic unit for boiler rooms with low-temperature heat pumps

Giacomini's solution to control heating/cooling and hot domestic water in a simple fashion.

GIACOMINI
WATER E-MOTION

More comfort, performance and energy saving with less complexity, noise and waste.

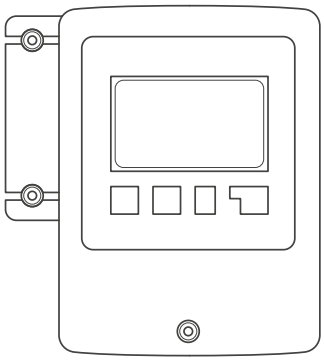
This is the winning combination offered by Giacomini's booster hydronic unit, the most innovative solution on the market to control in an easy and efficient way heating/cooling and hot domestic water production in condo boiler rooms with low-temperature heat pumps.

Typical application in a condo featuring a centralized boiler room with low-temperature heat pump and R589HPW hydronic units with an HPWB booster water heater in every apartment.

Available in four different versions, the unit can be installed in an easy and fast way.

The unit enables to control at best the production of hot domestic water, which is obtained through the HPWB booster, a water heater in water-water heat pump available with three different tank capacities based on the family's needs.
Extremely quiet and compact, the water heater can be installed even in small spaces such as laundry rooms or garages.

When producing hot domestic water in summer, the unit transfers chilled water to the HVAC system while reducing the energy demand from the primary circuit and providing outstanding energy saving rates.



The measurements are all managed electronically through a dedicated controller, which makes the unit extremely easy to use while providing more accurate control of temperature and flow rate, all in the name of energy efficiency.

AVAILABLE VERSIONS

2-pipes unit:

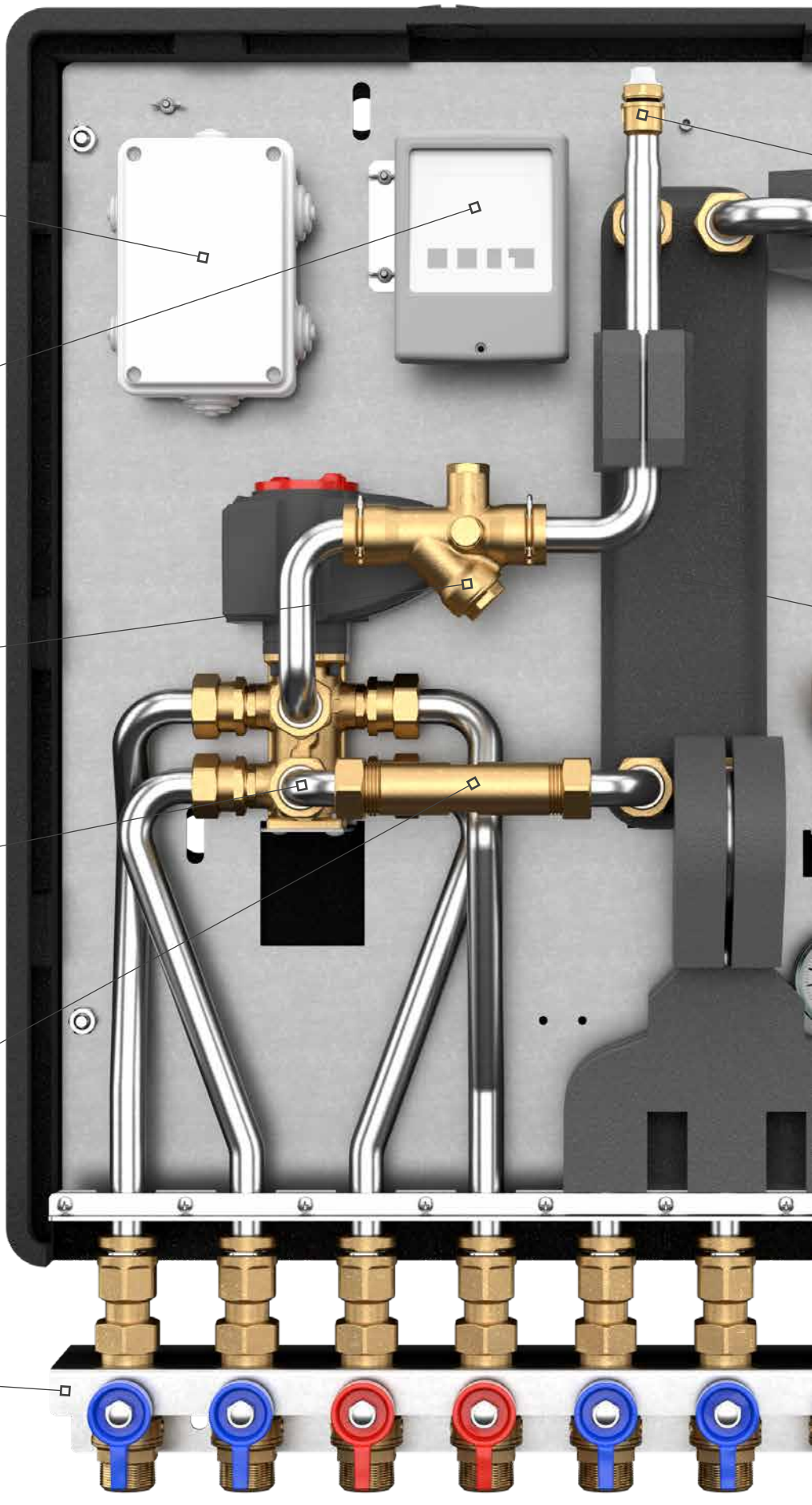
WITH EXCHANGER - R589HPWY124

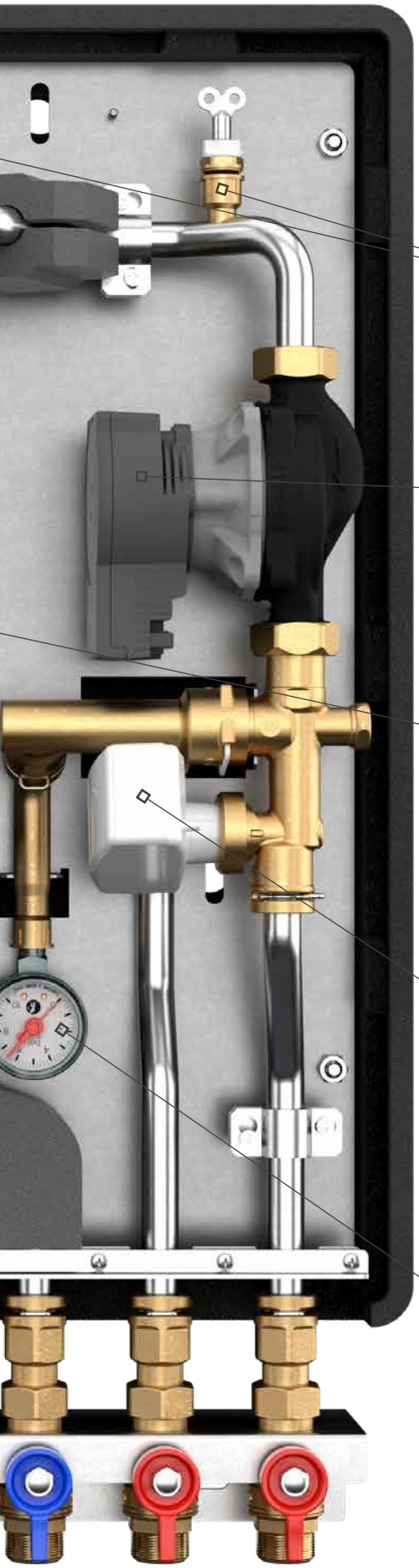
WITHOUT EXCHANGER - R589HPWY024

4-pipes unit:

WITH EXCHANGER - R589HPWY144

WITHOUT EXCHANGER - R589HPWY044


Cabinet with terminal block for the electric connections
Electronic controller
Filter
Motorized 6-way zone valve
Brass spacer for installation of a thermal energy meter
Template for job site installation



Air vents

Pump

Heat exchanger to separate the primary and secondary circuit

Motorized 2-way zone valve for control of the heating/ cooling system

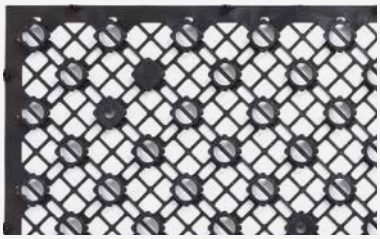
Pressure gauge

OTHER COMPONENTS OF THE SYSTEM

Water heater in water-water heat pump:

120 L - HPWBY012
200 L - HPWBY020
270 L - HPWBY027

Radiant system:

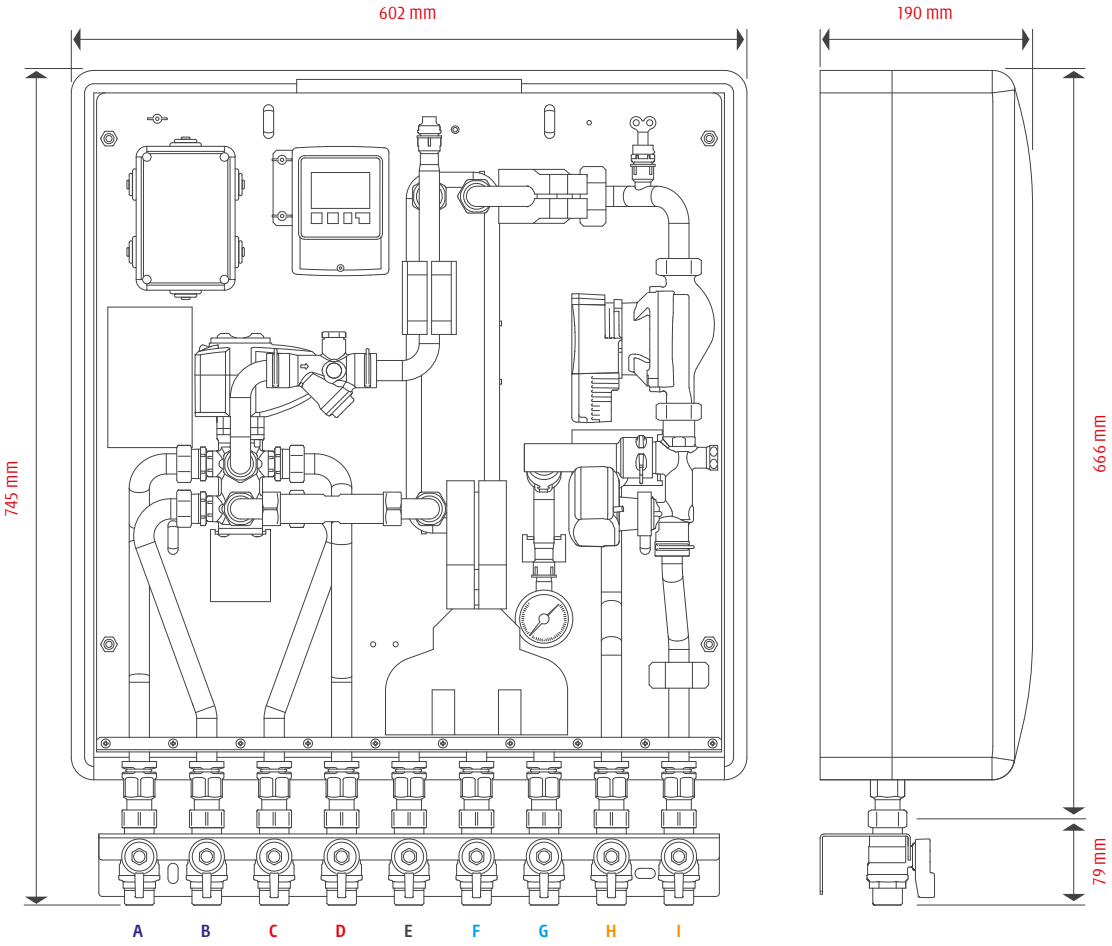


Notched, smooth or 3D-grid (Spider) panels for radiant systems with low thermal inertia.

Distribution manifolds:

Manifolds for radiant system and domestic water distribution.

Dimensions and specifications



A	Cold water primary circuit inlet
B	Cold water primary circuit outlet
C	Hot water primary circuit outlet
D	Hot water primary circuit inlet
E	Expansion vessel / Safety valve
F	Heating/cooling circuit return
G	Booster circuit return
H	Booster circuit supply
I	Heating/cooling circuit supply

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Giacomini Spa - (NO) - Italy - Phone +39 0322 923111 - giacomini.com