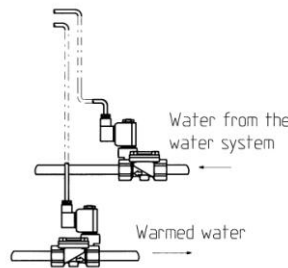
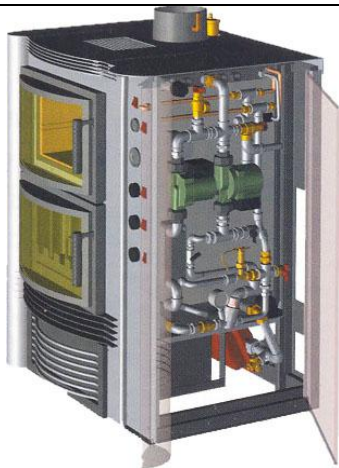


# THERMOELECTRIC HEATERS



Thermoelectric heaters combine the principles of fireplaces, boilers and heaters. As a matter of fact they are a heating source for the whole house through the radiators placed in the various rooms and produce hot water for sanitary fixtures like modern boilers. In addition they can barbecue, bake, grill and roast at the same time.

## CONSTRUCTION DIAGRAM OF THE SYSTEM



## SOLENOID VALVE APPLICATION

The system exploits heat generated by the combustion of wood or gas to warm water and distribute it to the various household fixtures. Two solenoid valves are connected to the hydraulic system of sanitary water. With the former cold water is taken from the water supply and let into the circuit of the thermoelectric heater. Water flowing close to the smoke exhaust warms up and is controlled by the second solenoid valve to be distributed to the sanitary fixtures (bathrooms, kitchen) in the house.

## SOLENOID VALVES USED



**TYPE B203/204/205**  
2/2 way NC pilot operated solenoid valve with series 2 coils

## WE RECOMMEND:

A remarkable flow rate is needed for this application and therefore the choice of a pilot operated solenoid valve rather than a direct acting solenoid valve is justified by the very large passage. The recommended valve is a standard type for use with water with an NBR seal. The competition is very experienced: most have a similar valve in their catalogue.