

# HOT WATER SYSTEM **DOMINO 3**



Costruzioni Solari's "**DOMINO 3**" hot water system combines all the electronic and hydraulic features needed to control the production and distribution of thermal energy from multiple energy sources. This makes it truly worthy of the designation "Solar Heating Unit".

The unit is 100% designed and built by Costruzioni Solare to provide the customer and the installer with a complete, easy-to-use system.

"**Domino 3**" can control the thermal energy output by the solar panels, the burner and the methane-fired boiler.

The system, which can be entirely controlled from two digital electronic control panels, can actuate any of the three sources autonomously, taking maximum advantage of each source.

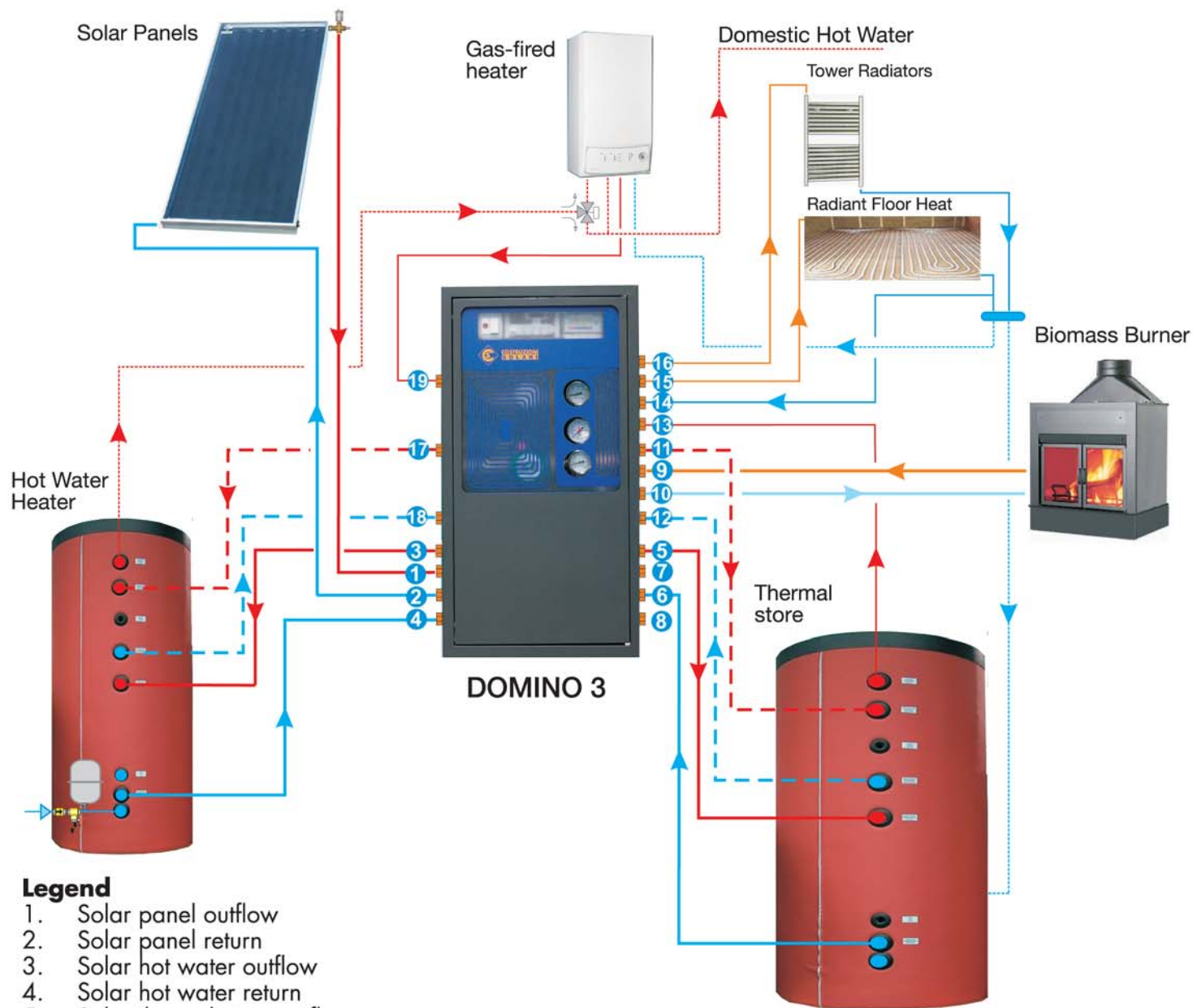
The solar heating unit first uses the energy supplied by the solar panels, then the biomass burner and last, only when necessary, the methane-fired boiler, with little if any intervention by you. An automatic energy meter with heat probes to continuously monitor the energy collected by the solar panels can be installed on this system. Assembly of all parts, whether electrical or hydraulic, is done in the factory by qualified company personnel. Every part is inspected and tested to guarantee the 100% efficient operation of the system.



**COSTRUZIONI  
SOLARI**

- *Design*
- *Construction*
- *Qualified technical support*





### Legend

1. Solar panel outflow
2. Solar panel return
3. Solar hot water outflow
4. Solar hot water return
5. Solar thermal store outflow
6. Solar thermal store return
7. Solar safety relief valve
8. Solar load
9. Burner outflow
10. Burner return
11. Burner integrated outflow
12. Burner integrated return
13. Thermal store outflow
14. Heating return for tempering
15. Low-temperature heating outflow
16. High-temperature heating outflow
17. Burner integrated outflow
18. Burner integrated return
19. Heating inflow gas-fired boiler

### The Domino 3 includes:

- 1 Metal housing with access panel
- 1 solar circulator
- 1 burner circulator
- 1 heat distribution circulator
- 1 Analog meter for instantaneous solar energy measurement
- 3 Automatic three-way valves
- 1 Tempering thermostat control
- 1 Master switch
- 2 Digital electronic control panels

### Domino 3 Dimensions

- **Height:** 945 mm
- **Width:** 500 mm
- **Depth:** 235 mm