

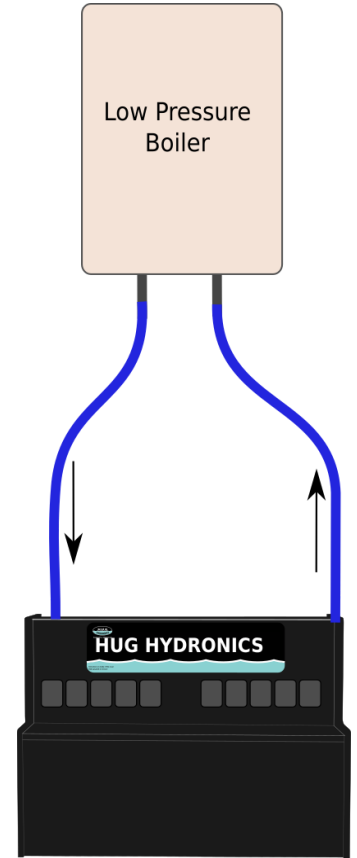


HUG Hydronics Boiler Guide

This guide is intended to help you select which boiler is right for your project. We have approved a selection of water heaters and boilers that work easily with our system. Most other boilers can be used with a little extra configuration. The second part of this guide explains several ways that can be done.

Approved water heaters and boilers

The following are boiler space heating rated on-demand water heaters that work with our low pressure system without extra interface components.



Electric heaters and boilers:

1. **State 12.2kw tankless electric water heater.**
 - Good for 0-2100 sq. ft.
2. **State 14kw tankless electric water heater.**
 - Not stocked.
3. **State 18kw tankless electric water heater.**
 - Good for 2100-3000 sq. ft.
4. **State 24kw tankless electric water heater.**
 - Good for 3000-3900 sq. ft.
5. **Electro industries 4.5kw electric boiler.**
 - Good for up to 600 sq. ft. Not stocked.



6. Electro industries 9kw electric boiler.

- Good for up to 1200 sq. ft.

7. Electro industries 18kw electric boiler.

- Good for up to 3000sq. Ft. Not stocked.

Gas heaters and boilers available in Natural Gas or Propane:

1. State, tankless, condensing, indoor, 120k btu on demand water heater.

- Good option for 0-2700 sq. ft.

2. State, tankless condensing, indoor, 199k btu on demand water heater.

- Good for 3000-4500 sq. ft.



3. Lochinvar, Noble, NKB110 boiler.

4. Lochinvar, Noble, NKB150 boiler.

5. Lochinvar, Noble, NKB199 boiler. More expensive but better option for larger areas if using antifreeze.

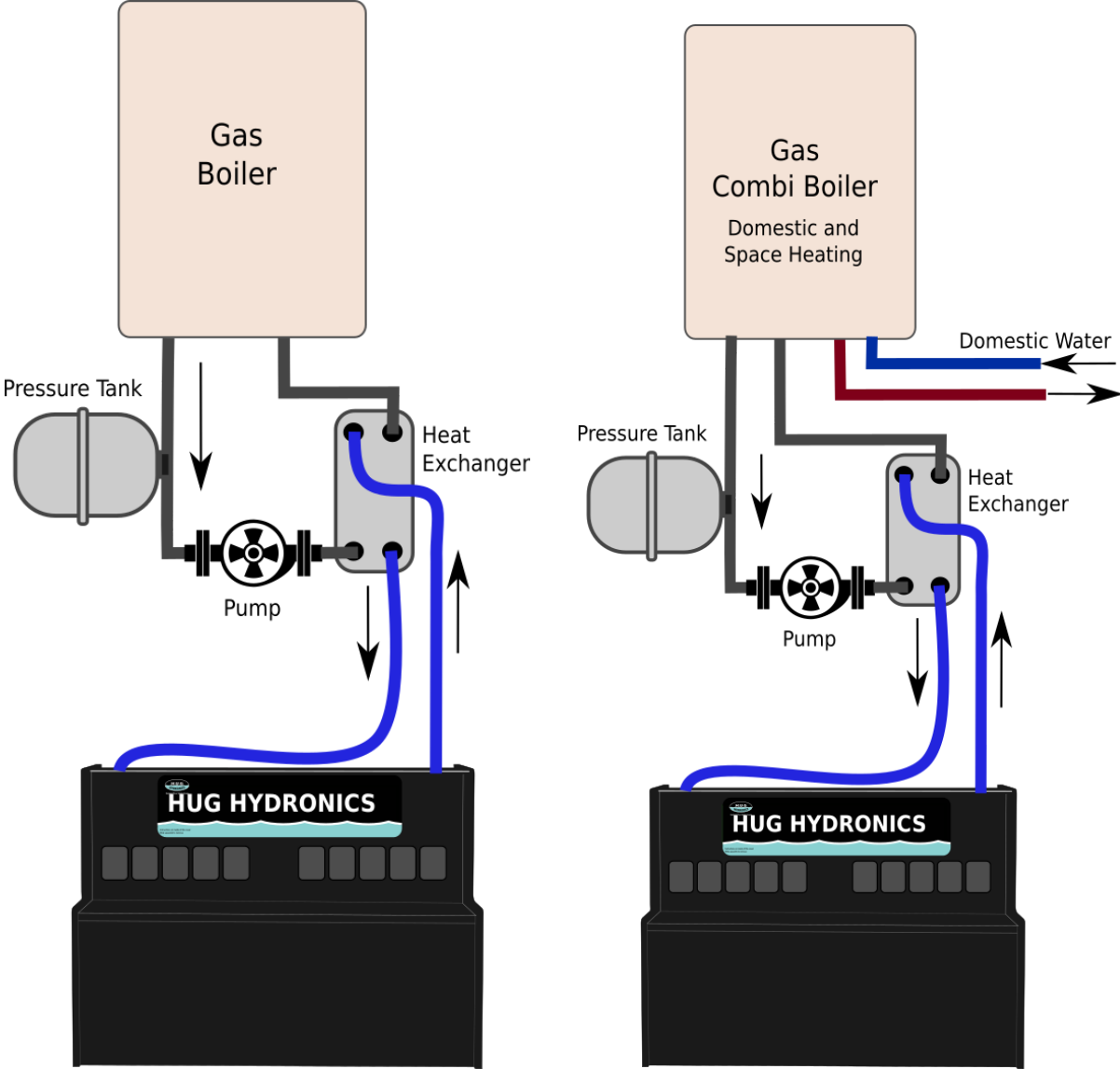


All Other Boilers

If a boiler has a pressure switch in it and requires constant pressure to operate, then it may be necessary to add a pressured primary loop and heat exchanger circuit. With this technique, any boiler can be used.

Note: Illustrations provide only the basic concept and it is the installer's responsibility to include the rest of the functions like vales, water feed, and bubble removers.

Gas Boilers And Combi Boilers



Gas Domestic Water Heater

This configuration eliminates the need for a pressure tank. The water heater must be rated for space heating to use in this way. And it's worth noting that the temperature into the tank will always be lower than the domestic water temperature, so this system is best used on low temperature floors like concrete slabs, rather than in under-floor systems with aluminum heat spreaders.

