

## COMMERCIAL WATER HEATING SOLAR READY



A complete commercial water heating system solution that can be custom designed to meet any hot water demand by adding or removing water heaters and storage tanks.

The system includes a **controller box** which intelligently manages the system and monitors temperature and flow sensor readings. The system data is displayed locally and can be displayed on a web interface at **no extra cost** for maintenance. This recorded data allows for visibility into the water usage profile of the site and more accurate **preventative maintenance** scheduling, limiting costly downtime and emergency repair cost.

The **storage tanks** are custom made for this application and well insulated with **4" foam** and quality stainless steel construction surpassing any standard water tank in the market. Each tank has three custom located sensor wells.

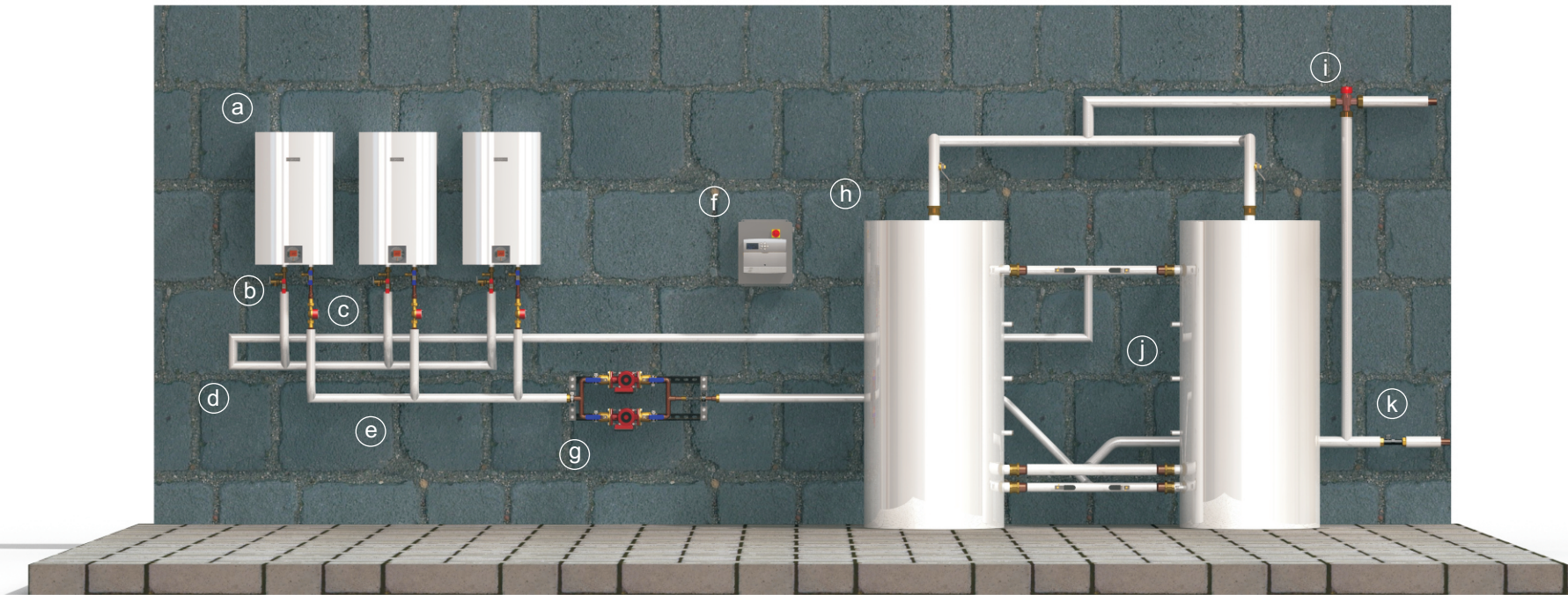
The **Dual Pump Station** eliminates hot water shortages by automatically triggering the secondary pump, if no flow is detected.

**Enerworks Inc.** is a leading North American manufacturer of solar thermal products.

For more information about our products visit:

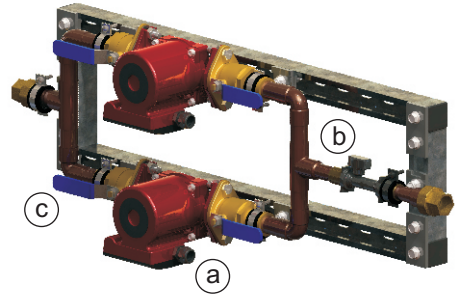
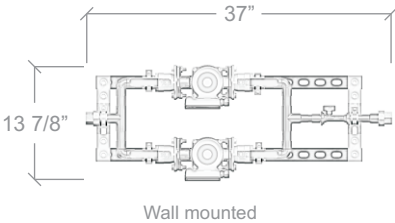
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| Commercial Solar Thermal Products: | <a href="http://www.enerworks.com/commercial">www.enerworks.com/commercial</a> |
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A complete package that includes online monitoring guarantees hot water demands are met and reduces potential maintenance cost.



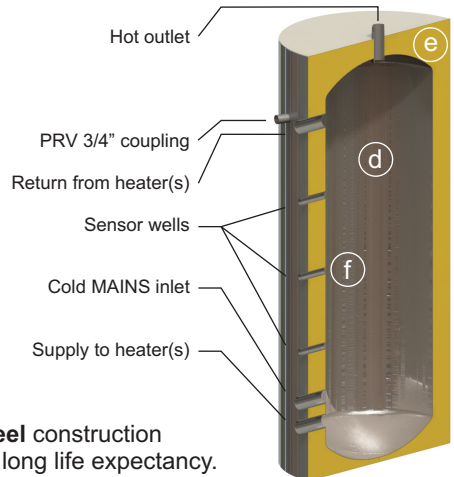
- (a) **Tankless Water heater:** 199,000 BTU. Temperature modulated with electronic ignition.
- (b) **Isolation valves kit with pressure relief valve:** Facilitate fast and simplified installation, maintenance and operation of the water heater.
- (c) **Flow meter:** Continuously measures flow through each individual heater allowing you better schedule maintenance of equipment.
- (d) **Hot water pipes to tank(s)**
- (e) **Cold water pipes from tank(s)**
- (f) **Controller box:** Displays all sensor readings and status of the system. Available comprehensive overview of system data via integrated web interface.
- (g) **Dual pump station:** Secondary pump automatically starts to prevent hot water shortages in the event of primary pump failure.
- (h) **Storage tank(s):** 119 US gal, 316L stainless steel construction. 4" of foam insulation, pressure relief valve and 3 sensor wells available.
- (i) **Mixing valve**
- (j) **Temperature Sensor(s):** System sensors tie all system components together without the need for additional complicated controls or additional mechanical devices.
- (k) **Flow meter:** Used to accurately measure overall hot water usage profile.

## DUAL PUMP STATION



- (a) **Parallel pumps** properly sized to provide adequate flow through the system. Continuous and long-lasting expectancy guaranteed by alternating operation between the two pumps.
- (b) **Flow meter** continuously measures flow to activate secondary pump in the event of primary pump failure, preventing hot water shortages. Readings and alarms can be viewed through web interface and controller box.
- (c) **Isolation valves** allow easy and fast component maintenance.

## STORAGE TANK



- (d) **119 US gal Capacity, 316L stainless steel** construction offers maximum corrosion protection and long life expectancy.
- (e) **4" Insulation** of polyurethane foam provides industry leading heat retention to minimize wasted energy through standby losses.
- (f) **3 Temperature Sensor wells** available to integrate the system together without complicated controls or additional mechanical devices.

Note: Drain located at right side of tank

Made in Canada. Designed for quick and simple installation in the field. Uniquely designed drain and cold water inlet prevent buildup of sediment.