

**Model #**  
**IWH-PF**

## Instantaneous Water Heater

**Steam-to-Hot Water**  
**Plate & Frame**



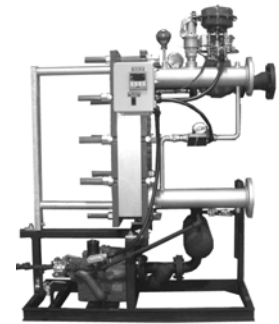
| TYPICAL SPECIFICATIONS    |                                    |
|---------------------------|------------------------------------|
| Steam Pressure            | 5 to 125 psig                      |
| Hot Water Temperature     | 50 to 200 deg F                    |
| Standard System Flow Rate | 5 to 500 GPM (0.3 to 30 LPS)       |
| Standard Power            | 110 V (Other Voltages Available)   |
| Dimensions                | Based Upon Customer Requirements   |
| Working Pressure          | 100 to 150 psig (6.8 to 10.2 barg) |
| Working Temperature       | < 300 deg F (< 149 deg C)          |



*EnviroSep IWH-PF*, Instantaneous Water Heaters are specifically designed and manufactured for Hot Water Systems with continuous loading. The system is designed to heat water, on-demand; without the need for storage of Hot Water, resulting in less square footage required for mechanical equipment. An internal Circulation Pump is provided to obtain an even temperature profile throughout the heater. The *EnviroSep IWH-PF*, Instantaneous Water Heater—Plate & Frame design, may be manufactured to include a System Recirculation Pump, which is recommended for maintaining Hot Water Loop Temperature. Electrical controls may be provided with PLC programmable controllers or simple, relay logic.

### Standard Features:

- ASME, Plate & Frame Heat Exchanger - Stainless Steel Water Side, with U-stamp
- Self-contained, Pilot-operated or Pneumatic Modulating Steam Control Valves
- High Temperature Cut-off Switch, for Independent Source Steam Isolation
- Secondary High Temperature Purge System, with Blowdown Controls
- Internal Circulation Pump
- Space saving Design
- Float & Thermostatic Steam Trap
- Outlet Temperature Indication
- Safety Relief Valves



### Options:

- PLC System Controller w/ Touch Screen
- NEMA 7/9 Explosion-proof Rating
- Inlet Steam Condensate Removal
- System Recirculation Pumps
- Carbon Steel Main Headers
- Auto System Flow Activation
- Steam-powered or Electric Condensate Pumps

