Thermoplastic Water Heaters & Storage Tanks
Available in 55, 80, and 119 Gallon Capacities

FEATURES

Resilient Construction
- Long-life, thermoplastic tank construction
- Seamless vessel construction
- Impervious to water quality variations

Easy to Install
- All plumbing connections are top-mount (on all models)
- Single bolt stainless steel collar streamlines coil/element access

Light weight

No required maintenance

No anode rod required

High Accuracy Temperature controls with Thermistors
- Adjustable setpoint & differentials

Warranty
- 10 year, non-prorated residential warranty
- Optional lifetime residential warranty
- 5 year non-prorated commercial warranty

Energy Kinetics Combines Exceptional Performance with High Efficiency

High Flow thermoplastic tanks by Energy Kinetics represent the latest in water heater and storage tank innovation, continuing Energy Kinetics reputation for dependability and longevity in a lightweight package. With standard top-mount connections and a single bolt stainless steel collar across all models, High Flow tanks ensure a streamlined installation process—whether an indirect water heater or storage tank—while the monolithic vessel construction provides years of worry-free service in residential and commercial applications.
Why High Flow Tanks?

The Energy Kinetics High Flow line of water heaters and storage tanks uses proprietary technology to fuse a polybutene inner liner with a polypropylene and fiberglass structural outer layer at the molecular level to create a lightweight, monolithic composite vessel with seamless construction.

How does the High Flow tank interact with water

The two bonded layers of the High Flow tank continuously replenish and rebalance antioxidant levels throughout the vessel over several decades of service.

Stainless Steel Tank

Stainless Steel Tanks

- Chlorides in domestic water can compromise construction
- Welds represent structural weak points
- Expensive to produce and replace

High Flow (thermoplastic)

- Seamless construction
- No anode rod needed
- No required maintenance
- Immune to water quality variations
- Tolerates higher temperatures and pressures

Thermoplastic Vessel

- Stainless steel flange reinforcements
- Fused, monolithic vessel
- Support stand

Available in 55, 80, and 119 gallon configurations.
Storage Tank

Piping Diagram

DIMENSIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Overall Dimensions (Inches)</th>
<th>Shipping Weight (Lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>P55FLEK</td>
<td>41&quot; 26&quot;</td>
<td>95</td>
</tr>
<tr>
<td>P80FLEK</td>
<td>53.5&quot; 26&quot;</td>
<td>125</td>
</tr>
<tr>
<td>P120FLEK</td>
<td>74&quot; 26&quot;</td>
<td>155</td>
</tr>
</tbody>
</table>

High Flow Controller (ETC101)

- Temperature accuracy within 2 degrees
- Eliminates temperature overshooting
- LED displays operating mode

2 Thermistors for Optimal Thermal Purge.
1) Uses BLACK Thermistor wire for boilers <150MBH
2) Use RED Thermistor wire for boiler >150MBH
**Indirect Tank**

**DIMENSIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Overall Dimensions (Inches)</th>
<th>Shipping Weight (Lbs)</th>
<th>Domestic Water Supply/Return (Indirect Tank Heating Coil)</th>
<th>T&amp;P Relief Valve</th>
</tr>
</thead>
<tbody>
<tr>
<td>P55FL</td>
<td>41” 26” 90</td>
<td>3/4” MNPT 3/4” FNPT</td>
<td>3/4” MNPT 3/4” FNPT</td>
<td>3/4” MNPT 3/4” FNPT</td>
</tr>
<tr>
<td>P80FL</td>
<td>53.5” 26” 118</td>
<td>3/4” MNPT 3/4” FNPT</td>
<td>3/4” MNPT 3/4” FNPT</td>
<td>3/4” MNPT 3/4” FNPT</td>
</tr>
<tr>
<td>P120FL</td>
<td>74” 26” 145</td>
<td>1 1/2” MNPT 1 1/2” FNPT</td>
<td>1” MNPT 3/4” FNPT</td>
<td></td>
</tr>
</tbody>
</table>

**INDIRECT TANK PERFORMANCE**

<table>
<thead>
<tr>
<th>Model</th>
<th>First Hour Rating</th>
<th>Boiler Output (6 GPM @ 200°F)</th>
<th>Boiler Water Continuous Flow</th>
<th>Head Loss (ft. w.c.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>P55FL</td>
<td>212</td>
<td>145,000</td>
<td>8 GPM</td>
<td>18.7</td>
</tr>
<tr>
<td>P80FL</td>
<td>300</td>
<td>128,000</td>
<td>8 GPM</td>
<td>18.7</td>
</tr>
<tr>
<td>P120FL</td>
<td>478</td>
<td>243,000</td>
<td>14 GPM</td>
<td>20</td>
</tr>
</tbody>
</table>

**Piping Diagram**

**High Flow Controller (ETC101)**

- Temperature accuracy within 2 degrees
- Eliminates temperature overshooting
- LED displays operating mode

**ETC101 Controller**

Temperature and Thermistor