E-Series

DuraMAC™ Water Pressure Booster System

- Water pressure boosting system for residential, irrigation, or light commercial use
- Easy set-up installation
- All metal connections - no plastic threads
- Half-gallon pressure tank included
- TEFC single phase motor for quiet operation
- Electronics separated and sealed from waterway
- Check valve included
- Dry-run protection
- 1 year warranty

Materials of Construction

- Impellers: 304 Stainless Steel
- Pump Casing Inlet: 301 Stainless Steel
- Pump Casing Outlet: 301 Stainless Steel
- Pump Seal (stationary): Silicon Carbide
- Pump Seal (rotating): Carbon
- Diffuser: 304 Stainless Steel
- Check Valve: No-Lead Brass
- Pump Controller Cross: No-Lead Brass

Specifications

<table>
<thead>
<tr>
<th>DuraMAC™ Model</th>
<th>Pump Boost</th>
<th>Amps</th>
<th>Voltage</th>
<th>Power</th>
<th>Ctn Qty</th>
<th>Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>18035R020PC1</td>
<td>35 PSI</td>
<td>5.5</td>
<td>120 - 60 Hz</td>
<td>1/2 HP</td>
<td>1</td>
<td>27.1</td>
<td>$1,097.00</td>
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<tr>
<td>18052R020PC1</td>
<td>52 PSI</td>
<td>7.0</td>
<td>120 - 60 Hz</td>
<td>3/4 HP</td>
<td>1</td>
<td>27.7</td>
<td>$1,217.00</td>
</tr>
</tbody>
</table>
**Sizing Information**

E-Series DuraMAC™ Booster Systems are designed to shut off when no flow is detected. Pump total pressure boost should be added to current household system pressure to determine total system pressure when boosted. Note: It is not recommended to exceed 80 PSI total boosted household pressure.

**Example:**

Household system pressure before boost = 30 PSI

\[
\begin{array}{ccc}
\text{Household Pressure} & \text{Total Pump Pressure} & \text{Total Pressure After Boost} \\
30 & +35 & = 65 \\
30 & +52 & = 82
\end{array}
\]

Based on this example, the recommended model for this application is the 18035R020PC1.

For systems with fluctuating pressure, a pressure reducing valve is recommended to assure system pressure stays below 80 PSI.