DuraMAC™ - Residential Booster

Not all boosting applications require complicated boosting systems. The DuraMAC™ Boosting system is simple, versatile, sophisticated, and reliable. Quite simply, it is the world's most versatile boosting system for residential use.

Features:
- Easy set-up installation
- Digital control for three modes of operation
- Durable stainless steel and no-lead brass connections
- Two gallon pressure tank included
- TEFC single phase motor for quiet operation
- Electronics separated and sealed from waterway
- Pressure gauge included
- No-Lead brass check valve included
- Dry-Run protection

See Pumps & Accessories Price List for Limited Warranty details.

<table>
<thead>
<tr>
<th>DuraMAC™ Model</th>
<th>Pump Boost</th>
<th>Amps</th>
<th>Length “L”</th>
<th>Voltage</th>
<th>Power</th>
<th>*Pressure Reducing Valve Recommended for installation with incoming pressure greater than: Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>17035R020PC1</td>
<td>35 PSI</td>
<td>5.5</td>
<td>15.26”</td>
<td>120 - 60 Hz</td>
<td>1/2 HP</td>
<td>45 PSI</td>
</tr>
<tr>
<td>17052R020PC1</td>
<td>52 PSI</td>
<td>7.0</td>
<td>15.97”</td>
<td>120 - 60 Hz</td>
<td>3/4 HP</td>
<td>28 PSI</td>
</tr>
<tr>
<td>17070R020PC2</td>
<td>70 PSI</td>
<td>4.0</td>
<td>16.68”</td>
<td>230 - 60 Hz</td>
<td>1 HP</td>
<td>10 PSI (for use with holding tank)</td>
</tr>
</tbody>
</table>

*Many plumbing codes do not recommend system pressure exceeding 80 PSI. Refer to local plumbing codes for maximum boosted pressure.
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Sizing Information
DuraMAC™ Booster Systems are designed to shut off when no flow is detected. Pump pressure boost should be added to current system pressure to determine total system pressure when boosted.

Example:
Household system pressure before boost = 30 PSI

\[
\begin{array}{c|c|c}
\text{Household Pressure} & \text{Total Pump Pressure} & \text{Total Pressure After Boost} \\
30 & 35 & 65
\end{array}
\]

Models Available: Boost
17035R020PC1  +35
17052R020PC1  +52
17070R020PC2  +70

Based on this example, the recommended model for this application is the 17035R020PC1.

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

Typical Installation

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 / NBR
- Diffuser 304 Stainless Steel
- Check Valve No-Lead Brass
- Pump Controller Cross No-Lead Brass

Sizing Chart
Total static pressure DuraMAC™ pump

<table>
<thead>
<tr>
<th>Incoming Pressure (PSI)</th>
<th>17035R020PC1</th>
<th>17052R020PC1</th>
<th>17070R020PC2</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>90</td>
<td>85</td>
<td>75</td>
</tr>
<tr>
<td>55</td>
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<tr>
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<td>35</td>
</tr>
</tbody>
</table>

Contact Factory

ADD AND MEASURE AIR PRESSURE HERE
NOTE: WATER PRESSURE MUST BE 0 PSI WHEN ADJUSTING AIR PRESSURE

Add and measure air pressure here

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