DuraMAC™ - Light Commercial & Irrigation

Not all boosting applications require complicated boosting systems. The DuraMAC™ Boosting system is simple, versatile, sophisticated, and reliable. With an easy set-up installation and a versatile control with three modes of operation, this pump is flexible enough to meet your commercial or irrigation needs.

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

T3 YEAR LIMITED WARRANTY
See Pumps & Accessories Price List for Limited Warranty details.

### DuraMAC™ Model

<table>
<thead>
<tr>
<th>Model</th>
<th>Pump Boost</th>
<th>Length “L”</th>
<th>Voltage</th>
<th>Power</th>
<th>Pressure Reducing Valve Recommended for installation with incoming pressure greater than:</th>
</tr>
</thead>
<tbody>
<tr>
<td>17040C035PC2</td>
<td>40 PSI</td>
<td>5.0</td>
<td>230 - 60 Hz</td>
<td>1 HP</td>
<td>40 PSI</td>
</tr>
<tr>
<td>17062C035PC2</td>
<td>62 PSI</td>
<td>6.3</td>
<td>230 - 60 Hz</td>
<td>1 HP</td>
<td>18 PSI</td>
</tr>
<tr>
<td>17078C035PC2</td>
<td>78 PSI</td>
<td>6.8</td>
<td>230 - 60 Hz</td>
<td>1 1/2 HP</td>
<td>2 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

\[
\begin{array}{c|c|c|c}
& \text{Household Pressure} & \text{Total Pump Pressure} & \text{Total Pressure After Boost} \\
\hline
17040C035PC2 & +40 & 70 & \text{Not Recommended to Exceed 80 PSI} \\
17062C035PC2 & +62 & & \\
17078C035PC2 & +78 & & \\
\hline
\end{array}
\]

Models Available: Boost

Based on this example, the recommended model for this application is the 17040C035PC2.

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

Typical Installation

ADD AND MEASURE AIR PRESSURE HERE

NOTE: WATER PRESSURE MUST BE 0 PSI WHEN ADJUSTING AIR PRESSURE.

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

<table>
<thead>
<tr>
<th>Incoming Pressure (PSI)</th>
<th>17040C035PC2 (+40 PSI)</th>
<th>17062C035PC2 (+62 PSI)</th>
<th>17078C035PC2 (+78 PSI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>55</td>
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<td></td>
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<tr>
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<td>72</td>
<td>88</td>
</tr>
</tbody>
</table>

CONTACT FACTORY

ADD AND MEASURE AIR PRESSURE HERE

NOTE: WATER PRESSURE MUST BE 0 PSI WHEN ADJUSTING AIR PRESSURE.