**Bronze Rubber Impeller Pump**

**RUBBER IMPELLER PUMP**

**MODEL**

- 202M
- 202M-03
- 202M-07
- 202M-15
- 202M-16

**Features**

- Rugged simplicity
- Corrosion Resistant
- Drain plug
- 2 bolt flange mounting
- Skidded shaft drive or male tang drive
- 2 separate seals: main pump and flange mounting
  - "Up" direction in & out ports
  - Large vent & drain openings
  - High chrome nickel stainless steel shaft
  - Impeller & cam easily replaced

**Rotation**

Direction of shaft rotation determines inlet and outlet ports (see line dimension drawing). Prior to installation, rotate the pump manually in direction of rotation to set flexible blades in direction desired.

**Do Not Run Dry**

Rubber impellers generate high rubbing friction unless lubricated by liquid pumped. Lack of liquid will cause impeller to burn up.

**Performance**

**Water at 60°F**

<table>
<thead>
<tr>
<th>RPM</th>
<th>PSI 0</th>
<th>PSI 13.8</th>
<th>PSI 27.6</th>
<th>PSI 41.5</th>
<th>PSI 55.4</th>
<th>PSI 69.3</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPM</td>
<td>6 1/2</td>
<td>17 1/4</td>
<td>26 1/4</td>
<td>35 1/2</td>
<td>45 1/2</td>
<td>54 1/2</td>
</tr>
<tr>
<td>HP 1/3</td>
<td>1/3</td>
<td>1/3</td>
<td>1/3</td>
<td>1/3</td>
<td>1/3</td>
<td>1/3</td>
</tr>
</tbody>
</table>

**Dimensions**

- STD. PORT SIZE FOR MODEL 202M is 1/2-14 NPT
- STD. PORT SIZE FOR MODEL 202M-03, 202M-07, 202M-15, 202M-16 is 3/4-18 NPT

<table>
<thead>
<tr>
<th>MODEL</th>
<th>RPM</th>
<th>PSI 0</th>
<th>PSI 13.8</th>
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<th>PSI 55.4</th>
<th>PSI 69.3</th>
</tr>
</thead>
<tbody>
<tr>
<td>202M-03</td>
<td>1750</td>
<td>6 1/2</td>
<td>17 1/4</td>
<td>26 1/4</td>
<td>35 1/2</td>
<td>45 1/2</td>
<td>54 1/2</td>
</tr>
<tr>
<td>202M-07</td>
<td>2500</td>
<td>6 1/2</td>
<td>17 1/4</td>
<td>26 1/4</td>
<td>35 1/2</td>
<td>45 1/2</td>
<td>54 1/2</td>
</tr>
<tr>
<td>202M-15</td>
<td>3500</td>
<td>6 1/2</td>
<td>17 1/4</td>
<td>26 1/4</td>
<td>35 1/2</td>
<td>45 1/2</td>
<td>54 1/2</td>
</tr>
</tbody>
</table>

For more details, visit [www.oberdorfer-pumps.com](http://www.oberdorfer-pumps.com) or call 800-448-1668, (315) 437-0361, or (315) 463-9561 fax.
BRONZE RUBBER IMPELLER PUMP
ENGINE MOUNT
MODEL 202M 202M-03 202M-07 202M-15 202M-16

DESIGN SPECS

<table>
<thead>
<tr>
<th>Model</th>
<th>Parts</th>
<th>Cam</th>
<th>Flange</th>
<th>Shaft</th>
<th>Designed for</th>
<th>Universal #</th>
</tr>
</thead>
<tbody>
<tr>
<td>202M-16</td>
<td>1/2 -14 NPTfl.</td>
<td>3 bolt</td>
<td>5 bolt with 7/32in slot</td>
<td>Universal Atomic-4 Series Gas and Diesel Marine Engine</td>
<td>299905</td>
<td></td>
</tr>
<tr>
<td>202M-03</td>
<td>3/8 -18 NPT half</td>
<td>2 bolt</td>
<td>5 bolt with 7/32in slot</td>
<td>Universal Atomic-4 Series Gas and Diesel Marine Engine</td>
<td>299905</td>
<td></td>
</tr>
<tr>
<td>202M-07</td>
<td>3/8 -18 NPT fl.</td>
<td>2 bolt</td>
<td>5 bolt with 7/32in slot</td>
<td>Universal Atomic-4 Series Gas and Diesel Marine Engine</td>
<td>299905</td>
<td></td>
</tr>
<tr>
<td>202M-15</td>
<td>3/8 -18 NPT fl.</td>
<td>5 bolt with main pilot main tang</td>
<td>Universal Series with Kohki Diesel</td>
<td>301337</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

LIQUIDS AND TEMPERATURE

Liquids compatible with neoprene can be pumped including fresh and salt water solutions and mild chemicals. Do not pump gasoline, severe solvents or acids. When possible flush pump with fresh water after each usage.

Buna (Nitrile) impellers can handle oil contaminated water and kerosene at reduced impeller service life.

Extremes of cold and heat will affect impeller life. Limits of 40°F to 140°F should be observed. Do not allow liquid in pump to freeze. Drain pump by removing drain plug provided. Located at bottom of pump body. Use methyl alcohol basis anti-freeze compounds.

SUCCESSION LIFT

On initial start-up pump must be primed to prevent dry-running of the impeller. Suction lift of 15 ft is possible when impeller is wet and pump fully primed. Suction lines must be air tight in order for pump to self prime.

Notes:
1. Neoprene impeller is standard, optional Buna impeller (8514) available
2. Brass case, buna elastomer
3. Pumps equipped with pre-filled grease cups from the factory, 202M, 202M-03, 202M-07
4. Kits contain items 3,4,5,10 and (when applicable) 14