NAT Series
Liquid Ring Vacuum Pumps

Description: Two-Stage Liquid Ring Vacuum Pump
Type: Conical, Dual Cone
Model: 1004, 2004, 3004
Power Range: 75 - 200 HP
Capacity Range: 1,000 - 3,000 CFM
Max Vacuum: 28.5" Hg

Overview:
Our NAT Series is the ideal choice for power plants and other customers needing to replace or upgrade their classic Nash* two stage AT liquid ring vacuum pump. These new pumps have been designed to be drop in replacements for the classic Nash* AT Series pumps. NES pumps are factory performance tested and include a 2-year warranty.

Features:
• Drop-in replacement for classic Nash* AT series.
• Standard construction is Cast Iron with Teflon Packing.
• Optional 304 or 316 Stainless Steel construction.
• Optional factory installed mechanical seals.
• Parts and repair kits available to fit Nash* AT Series.
• Available in bare pump.
• Direct drive or V-belt systems.
• 2-year factory warranty.

Materials of Construction:

<table>
<thead>
<tr>
<th>Part</th>
<th>Standard Material of Construction</th>
<th>Optional Material of Construction</th>
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</thead>
<tbody>
<tr>
<td>Body</td>
<td>Cast Iron</td>
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<tr>
<td>Housing &amp; Heads</td>
<td>Ductile Iron</td>
<td>304/316 Stainless Steel</td>
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<tr>
<td>Rotor</td>
<td>Cast Iron</td>
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<tr>
<td>Cones</td>
<td>Teflon Packing</td>
<td>Mechanical Seals</td>
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<td>Shaft</td>
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</tbody>
</table>

Applications:
• Power plants
• Exhausting
• Exhaust condensers
• Filtering
• Drying

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West Caldwell, NJ 07006
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## NAT Series Liquid Ring Vacuum Pumps

### Model Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Max Vacuum (&quot;Hg)</th>
<th>Speed (RPM)</th>
<th>Capacity (CFM)</th>
<th>Motor Power (HP)</th>
<th>Inlet (in)</th>
<th>Discharge (in)</th>
<th>Seal Water Usage (GPM)</th>
<th>Seal Water Size (in)</th>
<th>Pump Weight Dry (lbs.)</th>
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</thead>
<tbody>
<tr>
<td>NAT-1004</td>
<td>28.5</td>
<td>770</td>
<td>880</td>
<td>60</td>
<td>2 X 5 FL</td>
<td>2 X 4 FL</td>
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<td>880</td>
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<td>100</td>
<td>2 X 6 FL</td>
<td>2 X 5 FL</td>
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</table>

**TYPICAL NAT SERIES LAYOUT**

See pump drawing for more details & dimensions

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