Self Priming Pumps

PEERLESS SERIES 8796

The Peerless 8796 Series self priming pumps are manufactured for a wide range of flow and head requirements and meet the latest ASME specifications.

Key Features and Benefits

- Designed to handle acids, chemicals, or volatile liquids, and will lift such liquids from a depth of up to 20 ft without the aid of foot valves, check valves or auxiliary pumps
- Self-priming casing design permits the pump to maintain a prime, as well as to expel any air in the suctioned liquid via the self-venting top centerline discharge
- Unique two piece pull-apart casing allows for quick replacement of the inner volute; the inner volute itself can be provided in a variety of wear-resistant materials, such as CD4MCu
- Impellers are a fully open design that resist clogging and shear is reduced, resulting in lower losses when pumping viscous fluids; impellers are optionally available in keyed and bolted design
- Bearing frame is coated internally to ensure zero contamination of the oil or bearings from the inside, providing both static and dynamic sealing to protect bearings from environmental contamination
- The shaft is available in both solid shaft construction or with a sleeve, and features a threaded area that is protected against corrosion with an O-ring seal on the impeller
- Integral back pump out vanes reduce stuffing box pressure, prolonging mechanical seal or packing life

APPLICATIONS

- Industrial process
- Volatile liquid handling
- Chemical transfer
## Series 8796 Technical Data

### Series 8796 Information

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Flow, Q:</td>
<td>max. 700 gpm (159 m³/h)</td>
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<tr>
<td>Head, H:</td>
<td>max. 420 ft. (128 m.)</td>
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<tr>
<td>Liquid temp.:</td>
<td>max. 500°F (260°C)</td>
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<tr>
<td>Operating pressure:</td>
<td>max. 375 psi (2586 kPa)</td>
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<tr>
<td>Horsepower:</td>
<td>max. 40 hp (30 kW)</td>
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### Diagrams

- **Series 8796 1750 RPM**
- **Series 8796 2550 RPM**

The data in the diagrams represent the performance characteristics of the Series 8796 pumps. The curves illustrate the relationship between flow (Q) and head (H) at different speeds (1750 RPM and 2550 RPM).

**Legend:**
- S: Standard
- M: Medium
- H: Heavy

**Units:**
- **H [ft]**
- **Q [GPM]**

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