The CAHR pump range has been designed for high flow and low head pumping applications. With its heavy-duty construction and flexible design, it is suitable for all kinds of industrial schemes and various types of liquids for both highly corrosive and slurry applications.

**Main applications**

Low-pressure, horizontal and vertical axial flow pumps to meet the process requirements in versatile general and industrial applications:
- corrosive liquids
- abrasive liquids
- solid-contaminated liquids

**Design**

- Cast design or fabricated design
- Cast impeller with replaceable wear ring
- Available in top or end suction configurations
- No bearing in the pumped liquid
- Cartridge seal is standard with gland packing, single or double mechanical seal
- Strong shaft reduces deflection and ensures long-term reliability of shaft seal
- Heavy duty bearing frame with high radial and axial load roller bearing to ensure optimal rigidity of the pump

**Materials**

- Standard materials: cast iron, carbon steel, austenitic stainless steel, duplex alloys
- Other materials upon request: titanium, monel, nickel, etc.

**Vertical design CAHR-V available**

Mainly used as forced feed circulation pump:
- low-level flash cooler pump
- phosphoric acid slurry circulation pump

**Advantages**

- Heavy duty construction
- Maximum reliability
- Low maintenance costs
Axial flow pump type Ensival Moret CAHR

Oil and gas
Hydrocarbon processing
Power generation
Pulp, paper and board
General industry
Chemical process industry
Water and wastewater

Operating data

<table>
<thead>
<tr>
<th>50 Hz</th>
<th>60 Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacities</td>
<td>up to 176'000 USgpm</td>
</tr>
<tr>
<td>up to 40'000 m³/h</td>
<td>up to 26 ft</td>
</tr>
<tr>
<td>up to 8 m</td>
<td>up to 10 bar</td>
</tr>
<tr>
<td>up to 10 bar</td>
<td>up to 26 ft</td>
</tr>
<tr>
<td>from -40°C to 180°C</td>
<td>from -202°F to 356°F</td>
</tr>
</tbody>
</table>

Performance range

Hydrocarbon processing
Oil and gas
Pulp, paper and board
General industry
Chemical process industry
Water and wastewater

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