High capacity, low maintenance

The high-capacity AP-30 air piston pump is ideal for agricultural and industrial uses, such as transferring motor oil, gear oil, hydraulic oil, waste oil or antifreeze. It offers users a high degree of reliability, versatility and long life.

The AP-30 air piston pump is ruggedly and smartly constructed. With no motor to burn out and minimal moving parts, the AP-30 is extremely reliable and requires little maintenance. Its materials of construction are aluminum, stainless steel and non-metallic elastomers, resisting corrosion from most agricultural and industrial chemicals. The pump is built with no metal-to-metal contact to reduce wear.

Features and benefits

**Versatile air piston design** accepts stationary and portable auxiliary air compressors as well as portable carbon dioxide cylinders.

**Ruggedly constructed** with minimal moving parts and no metal-to-metal contact.

**Includes** 50 mm (2 in) NPT bung adapter and high-density polyethylene dip tube.

**Undamaged** by dead heading.

Applications

- Motor oil
- Gear oil
- Hydraulic oil
- Transmission fluid
- Diesel fuel
- Cutting oil
- Waste oil
- Antifreeze
- Water
Flowserve Corporation has established industry leadership in the design and manufacture of its products. When properly selected, this Flowserve product is designed to perform its intended function safely during its useful life. However, the purchaser or user of Flowserve products should be aware that Flowserve products might be used in numerous applications under a wide variety of industrial service conditions. Although Flowserve can provide general guidelines, it cannot provide specific data and warnings for all possible applications. The purchaser/user must therefore assume the ultimate responsibility for the proper sizing and selection, installation, operation, and maintenance of Flowserve products. The purchaser/user should read and understand the Installation Instructions included with the product, and train its employees and contractors in the safe use of Flowserve products in connection with the specific application.

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Scienco AP-30

Materials of construction

<table>
<thead>
<tr>
<th>Component</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing, piston</td>
<td>Aluminum</td>
</tr>
<tr>
<td>Piston liners, valve springs, shaft</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>Piston ring</td>
<td>PTFE with Buna® O-ring backup</td>
</tr>
<tr>
<td>Packing</td>
<td>PTFE</td>
</tr>
<tr>
<td>Valves</td>
<td>Nylon®</td>
</tr>
</tbody>
</table>

Note: Ensure chemical compatibility between liquid pumped and the wetted pump components prior to use.

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© Nylon is a registered trademark of the DuPont Company.

Pump dimensions

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>400 mm (16 in)</td>
</tr>
<tr>
<td>Width</td>
<td>175 mm (7.5 in)</td>
</tr>
<tr>
<td>Air inlet</td>
<td>6 mm (0.25 in) female NPT</td>
</tr>
<tr>
<td>Suction port</td>
<td>25 mm (1 in) female NPT</td>
</tr>
<tr>
<td>Discharge port</td>
<td>25 mm (1 in) female NPT</td>
</tr>
<tr>
<td>Weight</td>
<td>7 kg (15 lb)</td>
</tr>
</tbody>
</table>

Versatility of air sources

- Stationary air compressor
- Portable air compressor
- Auxiliary air
- Portable CO₂
- Truck compressor attachments

Operating parameters

- Flows to 10 m³/h (30 gpm)
- Maximum air pressure: 8.6 bar (125 psi)
- 15 m³/h (9 ft³/m) compressed air
- Pressure rating: ¼ to 1

Performance curve

At 80 psi air pressure and 15 psi fluid pressure, an AP-30 pump operates at 20 gpm.

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