Scienco™ AP-30
Air Piston Pump

High capacity, low maintenance

The high-capacity 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.

The 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.

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
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.

© Buna is a registered trademark of the DuPont Company.
© Nylon is a registered trademark of the DuPont Company.

Pump dimensions

<table>
<thead>
<tr>
<th>Component</th>
<th>Measurements</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: ½ to 1

Performance curve

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