The Axial Flow pumphead is the pumphead of choice when pumping large volumes of “clear” water at maximum heads of 25 feet. Whether your needs are flood control, field irrigation, or moving large volumes of water, rely on D & D Axial Flow pumpheads for maximum performance.

The Axial Flow (propeller) pumphead moves water in a straight line with the axis of the pumphead casing. Liquid is drawn into the suction bell and pushed out the discharge with minimal friction and no change of direction. Axial pumpheads can be mounted either vertically, horizontally, or adapted to discharge at various angles.

The advantage of D & D designed Axial Flow pumpheads is infinite water flow, which is not possible when using conventional systems. In addition, the hydraulic motor and piping are incorporated into the suction bell resulting in an uninterrupted discharge flow.

Complete Axial Flow systems are available with heavy duty hydraulic power units manufactured exclusively by D & D. Available in either trailer or skid mount, D & D power units can be custom designed to fit any application.
### AXIAL FLOW PUMPHEAD SPECIFICATIONS

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight lbs. / kg.</th>
<th>Volume ft³ / m³</th>
<th>Capacity @ 5/1.5 m g.p.m / m³s</th>
<th>Hydraulic Oil GPM Required</th>
<th>Power Unit Series</th>
<th>B.H.P. @1800 rpm</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot; AX</td>
<td>95 / 43</td>
<td>6.3 / .178</td>
<td>1,500 / .095</td>
<td>10</td>
<td>60</td>
<td>18</td>
</tr>
<tr>
<td>10&quot; AX</td>
<td>164 / 74</td>
<td>8.4 / .238</td>
<td>3,000 / .189</td>
<td>12</td>
<td>100</td>
<td>22</td>
</tr>
<tr>
<td>12&quot; AX</td>
<td>285 / 129</td>
<td>12 / .34</td>
<td>5,300 / .334</td>
<td>22</td>
<td>250</td>
<td>40</td>
</tr>
<tr>
<td>14&quot; AX</td>
<td>345 / 156</td>
<td>18.8 / .532</td>
<td>7,750 / .489</td>
<td>44</td>
<td>400</td>
<td>60</td>
</tr>
<tr>
<td>16&quot; AX</td>
<td>528 / 240</td>
<td>26.7 / .756</td>
<td>10,250 / .647</td>
<td>44</td>
<td>400</td>
<td>60</td>
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<tr>
<td>20&quot; AX</td>
<td>775 / 352</td>
<td>44.5 / 1.26</td>
<td>15,750 / .994</td>
<td>61</td>
<td>600</td>
<td>100</td>
</tr>
<tr>
<td>24&quot; AX</td>
<td>925 / 420</td>
<td>62.8 / 1.78</td>
<td>18,500 / 1.17</td>
<td>96</td>
<td>800</td>
<td>192</td>
</tr>
<tr>
<td>30&quot; AX</td>
<td>1,500 / 680</td>
<td>77.8 / 2.2</td>
<td>25,500 / 1.61</td>
<td>115</td>
<td>900</td>
<td>228</td>
</tr>
<tr>
<td>42&quot; AX</td>
<td>1,750 / 794</td>
<td>192.7 / 204.4</td>
<td>57,000 / 3.6</td>
<td>237</td>
<td>1,500</td>
<td>475</td>
</tr>
</tbody>
</table>

**Consult factory for specific applications.**

### WHY HYDRAULIC AXIAL FLOW PUMPHEADS??

- Easy to Use
- No Belts or Pulleys
- Can Run Dry
- No Priming Required
- Easy to Setup
- Remote Power Source
- Self-Monitoring Safety Shutdowns
- Will Pump Extreme Volumes of Water

### STANDARD FEATURES AND BENEFITS

- **Special Hydraulic Motor**  
  Provides Bearing Lubrication

- **Cast Steel Carrier Tube**  
  Oil Bath Bearing Lubrication

- **316 Stainless Steel Pumpshaft**  
  Longer Pumphead Life

- **Two Sets of Tapered Roller Bearings**  
  Handles Thrust Loads

- **Replaceable Stainless Steel Wear Ring**  
  Field Replaceable

- **Cast Bronze Propeller (Stainless Steel optional)**  
  Uniform Performance

- **Lifting Eye**  
  Easily Setup or Moved

- **Self-Cleaning Inlet Screen**  
  Keeps Out Debris

- **Spin-on Hydraulic Connections**  
  Fast Setup

- **Motor in Suction Bell**  
  No Wasted Horsepower

### APPLICATIONS

- Flood Control
- Boat Locks
- Shrimp Farms
- Stock Watering
- Water Treatment
- Field Flooding
- River Bypass
- Field Drying
- Dry Docks
- Irrigation
- Coffer Dams
- Cooling Ponds
- Fish Pumping
- Lake Drainage

Axial Flow Pumpheads are available in sizes 12” through 144” diameter.

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**D & D MACHINE & HYDRAULICS, INC.**

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