High Pressure Hydraulic Diaphragm Pumps

Hydraulic Diaphragm Metering Pumps

Metering Pumps
It consists of three main devices: (1) driving device, (2) adjusting device, (3) liquid delivery device.

**Description**

High Pressure Hydraulic Diaphragm Pumps

JYSD Series Hydraulic Diaphragm Metering Pump

Capacity range 40-1800lph, 18-350bar

Power: 3w

Double diaphragm with diaphragm rupture detecting system is available to prevent accident caused by mixture of hydraulic oil and the liquid after diaphragm ruptures.

**Parameter Table**

<table>
<thead>
<tr>
<th>Model</th>
<th>Flow (lph)</th>
<th>Flow (gph)</th>
<th>Pressure</th>
<th>Plunger Dia. (mm)</th>
<th>Diaphragm Dia. (mm)</th>
<th>Stroke Length (mm)</th>
<th>Power kW(HP)</th>
<th>Inlet&amp;Outlet Size</th>
<th>Connection Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>JYSD40/3.5</td>
<td>40</td>
<td>11</td>
<td>100</td>
<td>13</td>
<td>48</td>
<td>120</td>
<td>350</td>
<td>50</td>
<td>DN10</td>
</tr>
<tr>
<td>JYSD63/3.5</td>
<td>63</td>
<td>17</td>
<td>40</td>
<td>20</td>
<td>70</td>
<td>160</td>
<td>350</td>
<td>50</td>
<td>DN10</td>
</tr>
<tr>
<td>JYSD80/3.5</td>
<td>80</td>
<td>21</td>
<td>25</td>
<td>25</td>
<td>96</td>
<td>120</td>
<td>350</td>
<td>50</td>
<td>DN10</td>
</tr>
<tr>
<td>JYSD100/26</td>
<td>100</td>
<td>26</td>
<td>32</td>
<td>32</td>
<td>120</td>
<td>260</td>
<td>370</td>
<td>20</td>
<td>DN10</td>
</tr>
</tbody>
</table>

**Features of Emoclew Hydraulic Diaphragm Pumps**

It consists of three main devices: (1) driving device, (2) adjusting device, (3) liquid delivery device. The crankshaft which reduces motor rotation speed by worm and worm gear makes the piston reciprocate in the hydraulic oil chamber. This reciprocating movements of the piston make the PTFE diaphragm and the liquid which is isolated by the diaphragm sucked and discharged. Each pump is with internal pressure relief valve protecting pump from over pressure conditions.

The flow rate can adjusted via uniqe adjusting mechanism from 0-100%. The adjustiment can be carried when pump is in operation or at stop. The steady sate accurancy is ±1% from 30%-100% of the maximum output. Automatic operation is achived by variable speed drive. Emoclew hydraulic diaphragm pumps are suitable for crossive,vaporising, flammable, explosive or toxic solutions. It can also transport suspended liquid or moderately viscous liquid.

Double diaphragm with diaphragm rupture detecting system is available to prevent accident caused by mixture of hydraulic oil and the liquid after diaphragm ruptures.

Emoclew America, as one of the leading such manufacturers and suppliers, is professional in manufacturing high pressure hydraulic diaphragm pumps. Don’t hesitate to buy advanced high pressure hydraulic diaphragm pumps with our factory. We will do our best to meet your requirement.