ANNULAR INJECTION FLANGE
- For viscous oil pumping applications

PROVEN OIL SPILL TECHNOLOGY
ANNULAR INJECTION FLANGE

The INJECTION FLANGE is an ideal addition to the DOP range of vertical screw pumps if they are being used for pumping heavy viscous oils long distances.

The DOP pump range from DESMI Ro-Clean are able to generate high discharge pressures of up to 10 bar / 145 psi. This pressure enables the product to be pumped for considerable distance; however, as with all pumps, the friction caused by the oil travelling down the hose will reduce the flow.

This reduction in flow is known as pressure loss or backpressure. The amount of pressure loss depends on a number of factors including, the viscosity of the product being pumped, flow rate, etc.

Through extensive testing, DESMI Ro-Clean devised a way to combat this pressure loss, which involves surrounding the oil passing through the hose with a small layer of water or steam. This is created at the pump inlet or outlet using the INJECTION FLANGE. In tests, using a small amount of water or steam, the INJECTION FLANGE was able to reduce the pressure loss by more than 8 bar / 120 psi.

This allows a significant increase in the distance recovered oils are able to be pumped.

The INJECTION FLANGE allows the operator to surround the collected oil in a layer of water or steam to allow a significant increase in the distance recovered oils are able to be pumped by reducing the friction in the hose. We recommend this product to all customers pumping over long distances.

Advantages of DESMI INJECTION FLANGE:

- DESMI INJECTION FLANGES for the inlet or outlet side of the DOP range of heavy-duty vertical screw pumps
- Significant reductions in pressure loss (friction in the discharge line).
- Suitable for steam or water.
- Drastic improvements in pumping distances!
- Available with water and steam supply units.
- Compact size and lightweight
- Easily fitted to the DESMI DOP pump range

<table>
<thead>
<tr>
<th>TECHNICAL DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INLET INJECTION FLANGE</strong></td>
</tr>
<tr>
<td>Dimensions</td>
</tr>
<tr>
<td>Weight</td>
</tr>
<tr>
<td>Connections</td>
</tr>
<tr>
<td>Flow rate</td>
</tr>
<tr>
<td>Inlet pressure requirement</td>
</tr>
<tr>
<td>Maximum temperature steam/hot water</td>
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</tbody>
</table>

Outlet Injection Flange:
Available in the following sizes:
DOP-160: 3” and 4”
DOP-200 DUAL: 4", 5", and 6”
DOP-250 DUAL: 5" and 6”
Please contact us for more detailed specs on the specific sizes.

For more information on Oil Spill Response systems, please visit www.desmi.com