ATEX Centrifugal Fuel Pump Specifications

Standard
Based on DIN 24255

Pumps Models:
25

Discharge Range
Sizes:
32mm to 125mm

Pump/Motor
Combinations:
190

Temperature:
120°C maximum
-10°C minimum

Maximum Capacity:
100l/s

Maximum
Differential Head:
100mm

Electricity Supply:
50 and 60 Hz

Sealing Options:
Mechanical

Interchangeability

<table>
<thead>
<tr>
<th>Casing</th>
<th>26</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impellers</td>
<td>26</td>
</tr>
<tr>
<td>Mechanical Seal</td>
<td>2</td>
</tr>
<tr>
<td>Casing Cover</td>
<td>8</td>
</tr>
<tr>
<td>Stub Shaft</td>
<td>20</td>
</tr>
<tr>
<td>Support Frame</td>
<td>20</td>
</tr>
</tbody>
</table>

Materials of Construction

<table>
<thead>
<tr>
<th>Code</th>
<th>Standard</th>
<th>Bronze Fitted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing</td>
<td>Cast Iron</td>
<td>Cast Iron</td>
</tr>
<tr>
<td>Impeller</td>
<td>Cast Iron</td>
<td>Cast Iron</td>
</tr>
<tr>
<td>Wear Ring</td>
<td>Cast Iron</td>
<td>Cast Iron</td>
</tr>
<tr>
<td>Stub Shaft*</td>
<td>Solid stainless steel or high tensile steel with stainless steel sleeve</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Shaft Sleeves</th>
<th>Stainless steel</th>
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</thead>
<tbody>
<tr>
<td>Stainless steel</td>
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</tbody>
</table>

*Pumps fitted with stainless steel shafts as standard are 65/26-2 pole, 50/26-2pole, 80/20, 100/20, 65/26, 80/26, 100/26, 125/26, 65/32 and 100/32. Solid stainless steel shafts available for other models.

Design Features

1. Robust cast iron casing and support frames
2. Casing incorporates replaceable wear ring
3. All standard pumps are fitted with high efficiency shell moulded impellers
4. TEFV motors fitted as standard. Other motor options available
5. Foolproof EPS design taper locking system simplifies fitting stub shafts to standard motors
6. Incorporates mechanical seal to DIN 24960

Design Benefits

- Eurorange uses ‘off the shelf’ standard metric IEC TEFV Flameproof motors
- Stub shafts fit directly onto standard motor shaft – no drilling or priming required

Cost Effectiveness

- Space saving
- Eliminates the problems of baseplates and coupling alignment
- Lower installation and capital costs