Sea Water Injection - Case Study

Case Study Information

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<table>
<thead>
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<tbody>
<tr>
<td>Customer</td>
<td>Engineering Consultant</td>
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<td>Location</td>
<td>UK</td>
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<tr>
<td>Enquiry Received</td>
<td>27th April</td>
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<tr>
<td>Order Placed</td>
<td>20th June</td>
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<tr>
<td>Order Dispatched</td>
<td>19th September</td>
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Equipment Supplied:

4 x Azcue Long Coupled End Suction Self-Priming Centrifugal Pumps

- Model: CA 150-25
- Fluid: 1.1 kW 6 Pole 400/2/50 IP55 TEFC
- Casing: Stainless Steel
- Impeller: Stainless Steel
- Shaft: Stainless Steel
- Flow Rate: 200m³/hr at 14m head
- Suction Discharge Ø: 150/150
- +: 1450RPM
- 18.5kW
- 380V/3Ph/50Hz

Enquiry:
✓ The customer contacted us requiring 4 x self-priming sea water injection pumps in stainless steel 316. The customer could not accept bronze material for this application which is the recommended material.

Solution:
✓ We selected 4 of our CA 150-25 long coupled end suction self-priming centrifugal pumps in stainless steel 316. The long coupled design separates the pump from the motor allowing easier maintenance and also reducing the risk of any fluid entering the motor in the event of a mechanical seal failure. The pumps are fitted with 4 pole motors running at 1450RPM, the slower motor speed reduces the wear on the pump in the long term, making them perfect for 24/7 applications such as this. We also supplied a 2 year recommended spare parts package to further avoid any potential issues for the customer.