



## Sea Water Injection - Case Study



### Case Study Information

Customer	Engineering Consultant
Location	UK
Enquiry Received	27th April
Order Placed	20th June
Order Dispatched	19th September

### 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	200m <sup>3</sup> /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.