CASTLE PUMPS LTD

Marine & Offshore Pump Solutions

Castle Pumps Ltd
the UK agent of Azcue
Azcue Pumps have over 100 years’ experience in the manufacturing and design of marine type approved pumping solutions.

With pumps installed in over 10,000 vessel builds, you have the confidence that your requirements are likely to have been solved before. Azcue Pumps offer a complete range of marine pump solutions; with pumps not just for sea water, but for fuel, lubricating oils, black/grey water and fish waste. Complete pump packages are available from one manufacturer fulfilling applications from engine cooling to bilge pumping to fuel transfer.

Why choose Azcue?

- Marine type approval – all pumps are verified for use on board vessels
- 100% pump testing regime and class certification available
- Own foundry in Spain for complete production control
- Guaranteed supply of spares for 15 years
- Complete pump packages from one manufacturer
- Interchangeable spares to reduce on board stock holding
- Built to match existing pump and pipework for easy replacement
- Fast track production on selected models
- Packed to ISPM15 as standard

Castle Pumps Ltd
Azcue UK agents

Azcue Pumps are distributed in the UK by agents Castle Pumps, who receive weekly shipments direct from the Azcue factory in Spain. As a single source supplier of all Azcue marine pumps and genuine spare parts, Castle Pumps have built over many years the technical expertise in specifying the best pump for the application at hand.

Your process delivered.
Options include; open impellers for handling soft particles; closed impellers for high efficiency and volatile fluids; vortex impellers for stringy solids and debris; cutter impellers for cutting up large amounts of solids; and mixed flow impellers.

Azcue offer pumps in a full range of materials. Typically, cast iron is used for fresh water and fuel oils and bronze/aluminium for seawater; however pumps are also available in stainless and duplex stainless steel.

As well as common electric motors, which we supply in various voltages and frequencies, Azcue also offer pumps with hydraulic and diesel engine driven motors.

### Impeller types

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<tr>
<th>Application</th>
<th>LN</th>
<th>VM</th>
<th>CM</th>
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Screw Pumps

BT-MB
Close Coupled
- Max Head: 500m
- Q Max: 10m³/h
- Max Temp: 100°c
- Ports: DN 1"- 1½"

BT-HM
Spacer Coupling
- Max Head: 160m
- Q Max: 10m³/h
- Max Temp: 160°c
- Ports: DN 1"- 1½"

BT-IL
Spacer Coupled, Flanged
- Max Head: 160m
- Q Max: 35m³/h
- Max Temp: 160°c
- Ports: DN 50-100

BT-LH
High Flow, Horizontal
- Max Head: 120m
- Q Max: 190m³/h
- Max Temp: 160°c
- Ports: DN 125-150

BT-HH
High Pressure, Horizontal
- Max Head: 500m
- Q Max: 30m³/h
- Max Temp: 100°c
- Ports: DN 25-65

BLOC
Pumping Module
- Max Head: 160m
- Q Max: 10m³/h
- Max Temp: 160°c
- Ports: DN 1"- 1½"

BT-LV
High Flow, Vertical
- Max Head: 120m
- Q Max: 190m³/h
- Max Temp: 160°c
- Ports: DN 125-150

BT-DG/DG
High Flow, Vertical
- Max Head: 120m
- Q Max: 450m³/h
- Max Temp: 100°c
- Ports: DN 200-250

BT-MG
Magnetic Coupling, Horizontal
- Max Head: 160m
- Q Max: 190m³/h
- Max Temp: 160°c
- Ports: DN 25-150

BT-MG
Magnetic Coupling, Vertical
- Max Head: 120m
- Q Max: 480m³/h
- Max Temp: 160°c
- Ports: DN 125-150

BT-LS
Low Sulphur, Horizontal
- Max Head: 160m
- Q Max: 190m³/h
- Max Temp: 160°c
- Ports: DN 25-150

BT-LS
Low Sulphur, Vertical
- Max Head: 120m
- Q Max: 450m³/h
- Max Temp: 100°c
- Ports: DN 200-250
Vertical Inline Centrifugal

**LN** Close Coupled, based on DIN 24255
- Max Head: 100m
- Q Max: 700m³/h
- Max Temp: 120°c
- Ports: DN 50-250

**VM** Close Coupled
- Max Head: 130m
- Q Max: 1000m³/h
- Max Temp: 120°c
- Ports: DN 50-150

**CM** Close Coupled, Spacer
- Max Head: 130m
- Q Max: 1500m³/h
- Max Temp: 120°c
- Ports: DN 50-250

**LD** Double Suction Impeller
- Max Head: 60m
- Q Max: 5000m³/h
- Max Temp: 120°c
- Ports: DN 300-400

**VR** Close Coupled, Ball Bearing
- Max Head: 130m
- Q Max: 1500m³/h
- Max Temp: 120°c
- Ports: DN 80-250

**VB** Long coupled
- Max Head: 190m
- Q Max: 2000m³/h
- Max Temp: 120°c
- Ports: DN 150-250

**VA** Long Coupled, Axial Suction
- Max Head: 190m
- Q Max: 2000m³/h
- Max Temp: 120°c
- Ports: DN 150-250

**SPECIAL EXECUTIONS**
- Max Head: 190m
- Q Max: 2000m³/h
- Max Temp: 120°c
- Ports: DN 150-250

**VRX** Vortex Impeller
- Max Head: 30m
- Q Max: 500m³/h
- Max Temp: 100°c
- Ports: DN 50-200

**BTR** Cutting Impeller
- Max Head: 10m
- Q Max: 80m³/h
- Max Temp: 80°c
- Ports: DN 125

**VSS** Based on DIN 24255
- Max Head: 100m
- Q Max: 700m³/h
- Max Temp: 100°c
- Ports: DN 32-150

**VST** Based on DIN 24255, for Lube Oil
- Max Head: 80m
- Q Max: 2000m³/h
- Max Temp: 100°c
- Ports: DN 250-350

Immersed
**Horizontal Centrifugal**

<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Max Head</th>
<th>Q Max</th>
<th>Max Temp</th>
<th>Ports</th>
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<tbody>
<tr>
<td>CP</td>
<td>Close Coupled</td>
<td>50m</td>
<td>75m³/h</td>
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<td>DN 1”- 3”</td>
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<td>Long Coupled, DIN 24255</td>
<td>100m</td>
<td>700m³/h</td>
<td>120(190)°c</td>
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<td>2000m³/h</td>
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**Self Priming Centrifugal**

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<th>Ports</th>
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<td>CA</td>
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<td>100m³/h</td>
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<td>CA</td>
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<td>100m³/h</td>
<td>90°c</td>
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<td>CA</td>
<td>Monobloc, Close Coupled</td>
<td>105m</td>
<td>200m³/h</td>
<td>90°c</td>
<td>DN 1¼”- 125</td>
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<td>CA</td>
<td>Bareshaft</td>
<td>105m</td>
<td>300m³/h</td>
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**Side Channel**

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<td>9m³/h</td>
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<td>BR</td>
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<td>45m³/h</td>
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<td>BR-RR</td>
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<td>45m³/h</td>
<td>90°c</td>
<td>DN 25-65</td>
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Other Rotodynamic Pumps

**VRX Monobloc, Vortex Impeller**
- Max Head: 30m
- Q Max: 500m³/h
- Max Temp: 100°c
- Ports: DN 50-200

**SUBMERSIBLE**
- Max Head: 30m
- Q Max: 400m³/h
- Max Temp: 100°c
- Ports: DN 1"- 1½"

**RA Reversible, Side Channel**
- Max Head: 60m
- Q Max: 18m³/h
- Max Temp: 90°c
- Ports: DN 1"- 1½"

**C Multistage, Vortex Impeller**
- Max Head: 200m
- Q Max: 40m³/h
- Max Temp: 120°c
- Ports: DN 1"- 3"

Other Positive Displacement Pumps

**BS-S Horizontal, Piston**
- Max Head: 100m
- Q Max: 45m³/h
- Max Temp: 80°c
- Ports: DN 1"- 3"

**RKZ Vertical, Piston**
- Max Head: 100m
- Q Max: 300m³/h
- Max Temp: 80°c
- Ports: DN 80-200

**KL-KB Eccentric Screw**
- Max Head: 40m (80m)
- Q Max: 120m³/h
- Max Temp: 80°c
- Ports: DN 80-200

**B Diaphragm**
- Max Head: 70m
- Q Max: 70m³/h
- Max Temp: 90°c
- Ports: DN 1"- 3"

Special Applications

**MUD PUMP Mud Driller, Centrifugal**
- Max Head: 165m
- Q Max: 1100m³/h
- Max Temp: 100°c
- Ports: DN 2"- 8"

**HYDROPHORE PRESSURE SETS**
- Max Head: 100m
- Q Max: 25/150m³/h
- Max Temp: 90°c
- Ports: DN 1"- 50(80)

**BULKHEAD PENETRATIONS**
- RPM: Variable
- Max Temp: 120°c
- Ports: DN 25-250

**HYDRAULIC DRIVEN PUMPS**
- RPM: Variable
- Q Max: 1900m³/h
- Max Temp: 120°c
- Ports: DN 25-250
Accredited to enable you to buy with confidence.

Why choose Castle Pumps?
✓ Long standing technical expertise in the marine and offshore pump market.
✓ Single source supplier for all pumping solutions and genuine replacement parts.
✓ Customised packaged pump sets – more than just off the shelf products.
✓ Multi-lingual technical sales engineers, fluent in French and Spanish.
✓ Worldwide shipping via air, sea or road using IATA, BIFA and RHA members.

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