



# CASTLE PUMPS LTD

---

## Industrial Pump Solutions



**azcue**pumps

Castle Pumps Ltd  
the UK agent of Azcue



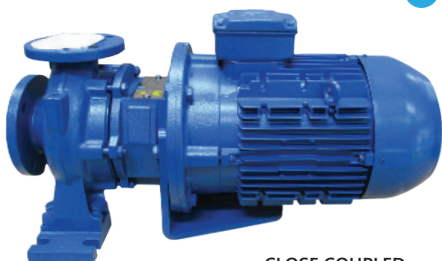
# azcuepumps

Azcue Pumps have over 100 years' experience in the manufacturing of pumping solutions for applications involving water, chemicals, fuels and lubricants.

We know how important it is when sourcing a pump for an industrial process that you can be confident in its operation, that you won't be impacted by costly downtime and repairs, and that you have a robust proven solution right for your application. Azcue pumps are third party approved by Lloyds ensuring a quality level that you can rely on.

## Why choose Azcue?

- ✓ Own foundry ensures complete production control
- ✓ Fast track production available on selected models
- ✓ Assured quality through 100% pump testing regime
- ✓ Type approved and available with third party witness certification by Lloyds, ABS or Bureau Veritas. Others available on request
- ✓ Complete pump packages from one manufacturer with a single warranty
- ✓ Guaranteed supply of spares for any model for a minimum of 15 years from discontinuation
- ✓ Interchangeable spares reduces stock holding
- ✓ ATEX approved models for hazardous applications
- ✓ Pumps to DIN24255 for retrofitting into existing pipework



CLOSE COUPLED  
CENTRIFUGAL












## Castle Pumps Ltd Azcue UK agents

Castle Pumps Ltd are the UK agent for Azcue Pumps, carrying over 90 pumps in stock, with associated spares.

We assist with specification and design for both new and replacement pumps. Due to the vast range of pump technologies, performance ranges and applications, selecting a pump can be complex. With 10 years' specialist experience we have the technical knowledge to specify a proven solution. This combined with our maintenance facilities ensures we are your dependable partner.





| Application       |  |  |  |  |  |  |  |  |  |     |              |        |                   |      |             |        |             |      |
|-------------------|---|---|---|---|---|---|---|---|--|-----|--------------|--------|-------------------|------|-------------|--------|-------------|------|
|                   | Centrifugal   | Self Priming  | Vertical Inline   | Side Channel  | Screw   | Vertical Immersion  | Progressive Cavity  | Gear  | Multistage   | AOD | Air Operated | Barrel | Flexible Impeller | Hand | Peristaltic | Piston | Submersible | Vane |
| Boiler Feed       | •   | •   |   | •   |   |   |   |   | •  |     |              |        |                   |      |             |        |             |      |
| Chemicals         |   | •   |   | •   |   | •   | •   | •   | •  | •   | •            | •      | •                 | •    | •           |        |             |      |
| Condensate        |   |   |   | •   |   |   |   |   | •  |     |              |        |                   |      |             |        |             |      |
| Cooling           | •   | •   | •   | •   |   |   |   |   | •  |     |              |        |                   |      |             |        |             |      |
| Dosing            |   |   |   |   |   |   | •   |   |  |     |              |        |                   |      | •           |        |             |      |
| Food              |   |   |   |   |   |   | •   |   |  | •   | •            | •      | •                 | •    | •           | •      |             |      |
| Fuel Transfer     | •   | •   |   | •   | •   |   |   | •   |  | •   | •            | •      |                   | •    |             |        |             | •    |
| Grease            |   |   |   |   |   |   |   |   |  | •   | •            | •      |                   |      | •           |        |             |      |
| Hygienic          |   |   |   |   |   |   |   |   |  | •   | •            | •      | •                 |      | •           |        |             |      |
| Lubricants        | •   |   |   | •   | •   | •   |   | •   |  | •   | •            | •      | •                 | •    | •           | •      |             | •    |
| Pressure Booster  | •   | •   | •   | •   |   |   |   |   | •  |     |              |        |                   |      |             | •      |             |      |
| Sewage            |   |   |   |   |   | •   | •   |   |  | •   | •            |        |                   |      | •           |        | •           |      |
| Sludge            |   |   |   |   |   | •   | •   |   |  | •   | •            |        |                   |      | •           |        | •           |      |
| Thermal Oil       | •   |   |   |   | •   |   |   | •   |  |     |              |        |                   |      |             | •      |             |      |
| Waste Water       | •   | •   |   |   |   | •   |   |   |  | •   | •            |        | •                 |      | •           |        | •           |      |
| Water Circulating | •   | •   | •   | •   |   | •   |   |   | •  |     |              |        |                   |      |             |        |             |      |

## Impeller types

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.

## Material choices

We offer pumps in a full range of materials, selected in accordance with the duty and liquid being pumped. Azcue's own foundry ensures the ability to cast in Cast Iron GG25, Ductile Iron GGG40, Bronze, Aluminium Bronze, Stainless 316 and Duplex.

## Drive options

We can supply electric motors in a multitude of voltages such as single, three phase and high voltage, in both 50 and 60hz. We can also offer hydraulic, air or engine driven pumps.



SCREW PUMP

## Technical considerations

### Spacer coupling

Can be fitted to vertical pumps to ensure that wearing parts can be replaced without having to remove the motor.

### Back pull out design

Enables the motor to be removed without disconnecting the pump from the pipework.

### Magnetic coupling

Removes the need for a mechanical seal eliminating the chance of leakage and reducing service intervals.

### Priming options

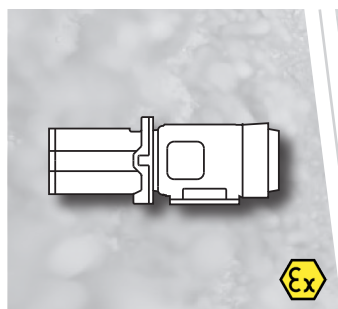
Azcue offer both air ejectors and electric priming pumps for applications where a short priming time is required, or where it is not possible to keep the suction flooded.

**For quick lead times and to help you out in emergency situations, we offer a range of pump models and spares from stock.**





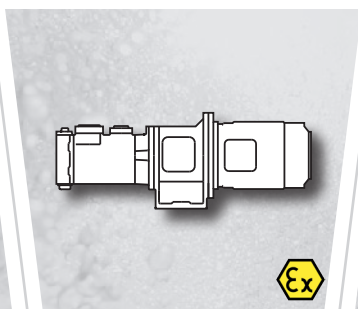
## Screw Pumps



### BT-MB

#### Close Coupled

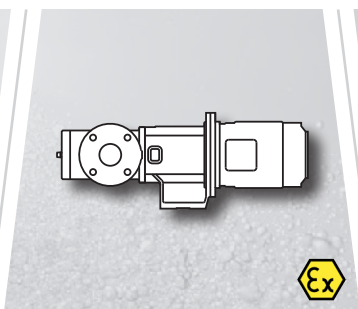
|           |                          |
|-----------|--------------------------|
| Max Head: | <b>50m</b>               |
| Q Max:    | <b>10m<sup>3</sup>/h</b> |
| Max Temp: | <b>100°C</b>             |
| Ports:    | <b>DN 1"-1½"</b>         |



### BT-HM

#### Spacer Coupling

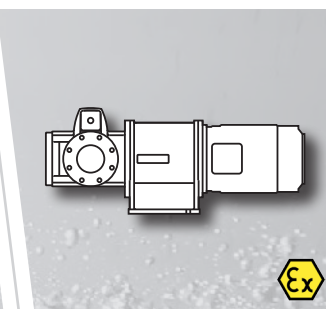
|           |                          |
|-----------|--------------------------|
| Max Head: | <b>160m</b>              |
| Q Max:    | <b>10m<sup>3</sup>/h</b> |
| Max Temp: | <b>160°C</b>             |
| Ports:    | <b>DN 1"-1½"</b>         |



### BT-IL

#### Spacer Coupled, Flanged

|           |                          |
|-----------|--------------------------|
| Max Head: | <b>160m</b>              |
| Q Max:    | <b>35m<sup>3</sup>/h</b> |
| Max Temp: | <b>160°C</b>             |
| Ports:    | <b>DN 50-100</b>         |

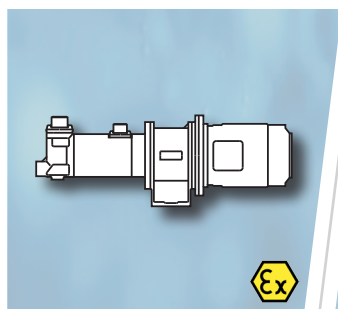


### BT-LH

#### High Flow, Horizontal

|           |                           |
|-----------|---------------------------|
| Max Head: | <b>120m</b>               |
| Q Max:    | <b>190m<sup>3</sup>/h</b> |
| Max Temp: | <b>160°C</b>              |
| Ports:    | <b>DN 125-150</b>         |

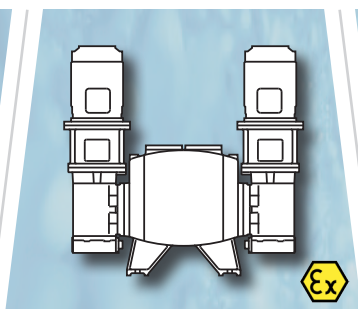
## Screw Pumps



### BT-HH

#### High Pressure, Horizontal

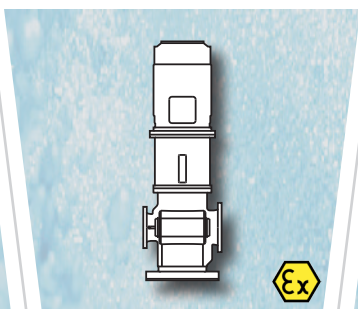
|           |                          |
|-----------|--------------------------|
| Max Head: | <b>500m</b>              |
| Q Max:    | <b>30m<sup>3</sup>/h</b> |
| Max Temp: | <b>100°C</b>             |
| Ports:    | <b>DN 25-65</b>          |



### BLOC

#### Pumping Module

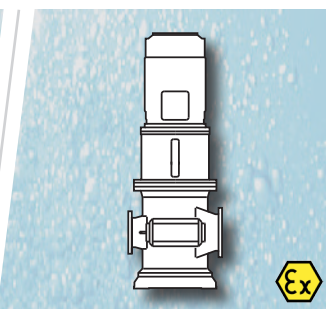
|           |                          |
|-----------|--------------------------|
| Max Head: | <b>160m</b>              |
| Q Max:    | <b>10m<sup>3</sup>/h</b> |
| Max Temp: | <b>160°C</b>             |
| Ports:    | <b>DN 1"-1½"</b>         |



### BT-LV

#### High Flow, Vertical

|           |                           |
|-----------|---------------------------|
| Max Head: | <b>120m</b>               |
| Q Max:    | <b>190m<sup>3</sup>/h</b> |
| Max Temp: | <b>160°C</b>              |
| Ports:    | <b>DN 125-150</b>         |

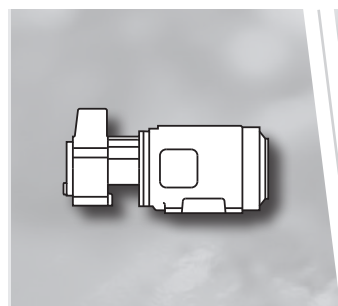


### BT-DF/DG

#### High Flow, Vertical

|           |                           |
|-----------|---------------------------|
| Max Head: | <b>120m</b>               |
| Q Max:    | <b>450m<sup>3</sup>/h</b> |
| Max Temp: | <b>100°C</b>              |
| Ports:    | <b>DN 200-250</b>         |

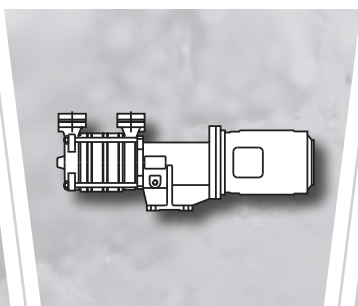
## Side Channel



### MA

#### Close Coupled

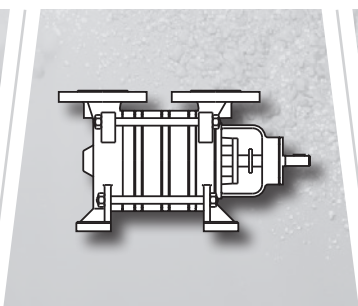
|           |                         |
|-----------|-------------------------|
| Max Head: | <b>60m</b>              |
| Q Max:    | <b>3m<sup>3</sup>/h</b> |
| Max Temp: | <b>90°C</b>             |
| Ports:    | <b>DN 1"</b>            |



### MO

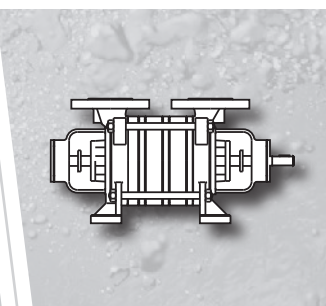
#### Monobloc, Multistage

|           |                         |
|-----------|-------------------------|
| Max Head: | <b>225m</b>             |
| Q Max:    | <b>9m<sup>3</sup>/h</b> |
| Max Temp: | <b>90°C</b>             |
| Ports:    | <b>DN 1"-1½"</b>        |



### BR Long Coupled, Multistage

|           |                          |
|-----------|--------------------------|
| Max Head: | <b>225m</b>              |
| Q Max:    | <b>45m<sup>3</sup>/h</b> |
| Max Temp: | <b>90°C</b>              |
| Ports:    | <b>DN 25-65</b>          |



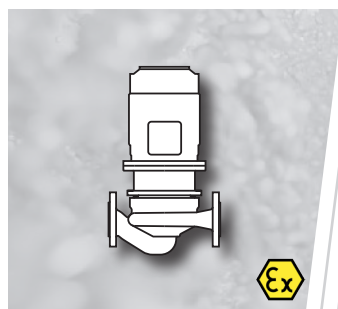
### BR-RR Reinforced Long Coupled, Multistage

|           |                          |
|-----------|--------------------------|
| Max Head: | <b>225m</b>              |
| Q Max:    | <b>45m<sup>3</sup>/h</b> |
| Max Temp: | <b>90°C</b>              |
| Ports:    | <b>DN 25-65</b>          |



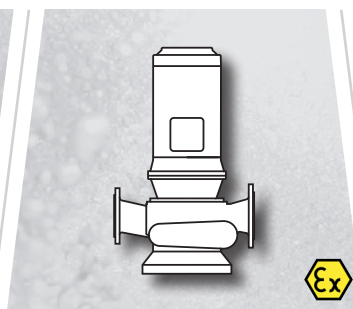


## Vertical Inline Centrifugal



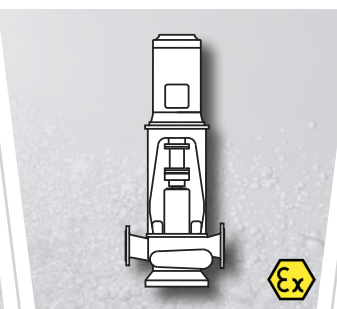
### LN Close Coupled, based on DIN 24255

|           |                  |
|-----------|------------------|
| Max Head: | <b>100m</b>      |
| Q Max:    | <b>700m³/h</b>   |
| Max Temp: | <b>120°C</b>     |
| Ports:    | <b>DN 50-250</b> |



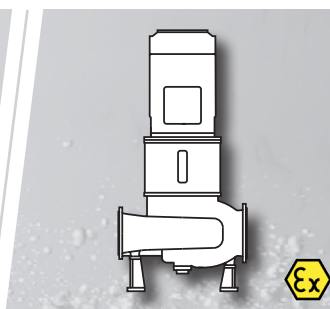
### VM Close Coupled

|           |                  |
|-----------|------------------|
| Max Head: | <b>130m</b>      |
| Q Max:    | <b>1000m³/h</b>  |
| Max Temp: | <b>120°C</b>     |
| Ports:    | <b>DN 50-150</b> |



### CM Close Coupled, Spacer

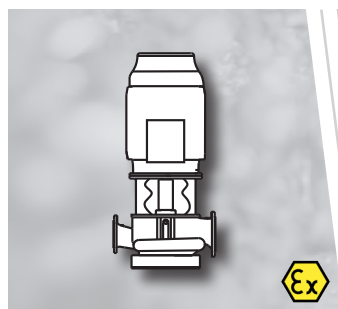
|           |                  |
|-----------|------------------|
| Max Head: | <b>130m</b>      |
| Q Max:    | <b>1500m³/h</b>  |
| Max Temp: | <b>120°C</b>     |
| Ports:    | <b>DN 50-250</b> |



### LD Long Coupled, Split Casing/Double Suction

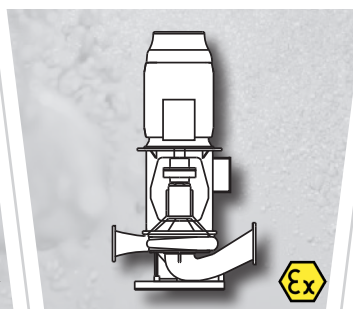
|           |                   |
|-----------|-------------------|
| Max Head: | <b>60m</b>        |
| Q Max:    | <b>5000m³/h</b>   |
| Max Temp: | <b>120°C</b>      |
| Ports:    | <b>DN 300-400</b> |

## Vertical Inline Centrifugal



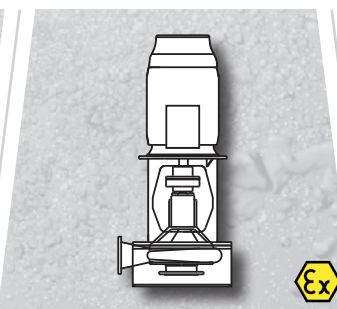
### VR Close Coupled, Ball Bearing

|           |                  |
|-----------|------------------|
| Max Head: | <b>130m</b>      |
| Q Max:    | <b>1500m³/h</b>  |
| Max Temp: | <b>120°C</b>     |
| Ports:    | <b>DN 80-250</b> |



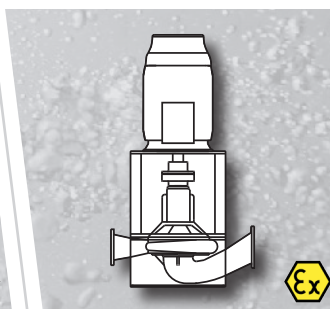
### VB Long coupled

|           |                   |
|-----------|-------------------|
| Max Head: | <b>190m</b>       |
| Q Max:    | <b>2000m³/h</b>   |
| Max Temp: | <b>120°C</b>      |
| Ports:    | <b>DN 150-250</b> |



### VA Long Coupled, Axial Suction

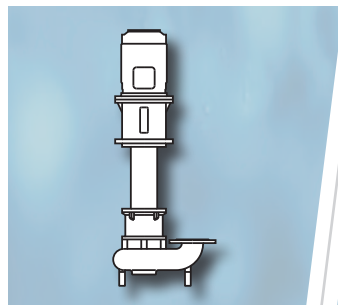
|           |                   |
|-----------|-------------------|
| Max Head: | <b>190m</b>       |
| Q Max:    | <b>2000m³/h</b>   |
| Max Temp: | <b>120°C</b>      |
| Ports:    | <b>DN 150-250</b> |



### SPECIAL EXECUTIONS

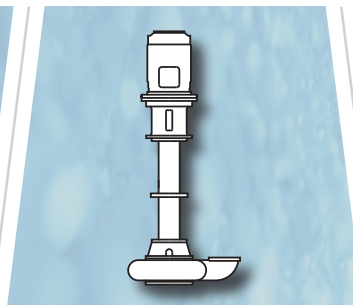
|           |                   |
|-----------|-------------------|
| Max Head: | <b>190m</b>       |
| Q Max:    | <b>2000m³/h</b>   |
| Max Temp: | <b>120°C</b>      |
| Ports:    | <b>DN 150-250</b> |

## Immersed



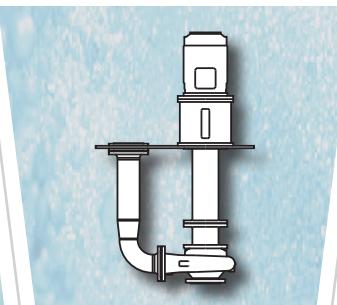
### VRX Vortex Impeller

|           |                  |
|-----------|------------------|
| Max Head: | <b>30m</b>       |
| Q Max:    | <b>500m³/h</b>   |
| Max Temp: | <b>100°C</b>     |
| Ports:    | <b>DN 50-200</b> |



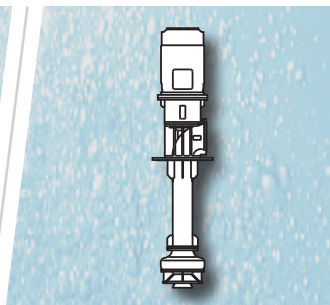
### BTR Cutting Impeller

|           |               |
|-----------|---------------|
| Max Head: | <b>10m</b>    |
| Q Max:    | <b>80m³/h</b> |
| Max Temp: | <b>80°C</b>   |
| Ports:    | <b>DN 125</b> |



### VSS Based on DIN 24255

|           |                  |
|-----------|------------------|
| Max Head: | <b>100m</b>      |
| Q Max:    | <b>700m³/h</b>   |
| Max Temp: | <b>100°C</b>     |
| Ports:    | <b>DN 32-150</b> |



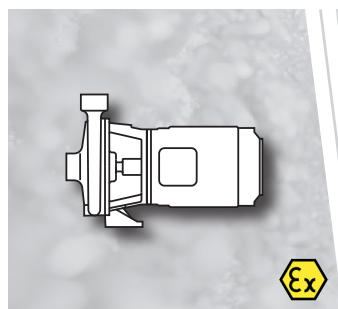
### VST Based on DIN 24255, for Lube Oil

|           |                   |
|-----------|-------------------|
| Max Head: | <b>80m</b>        |
| Q Max:    | <b>2000m³/h</b>   |
| Max Temp: | <b>100°C</b>      |
| Ports:    | <b>DN 250-350</b> |



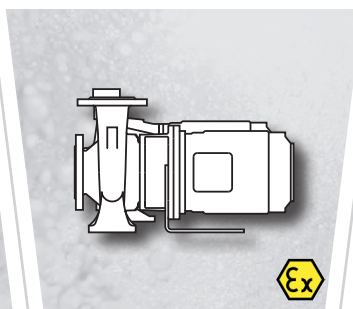


## Centrifugal



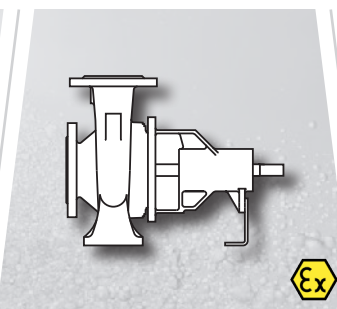
### CP Close Coupled

|           |                          |
|-----------|--------------------------|
| Max Head: | <b>50m</b>               |
| Q Max:    | <b>75m<sup>3</sup>/h</b> |
| Max Temp: | <b>80°C</b>              |
| Ports:    | <b>DN 1"-3"</b>          |



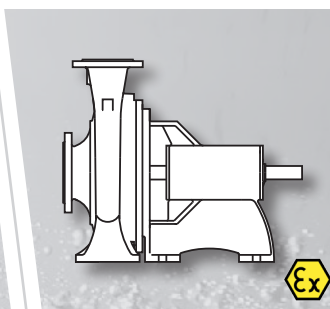
### MN Close Coupled, DIN 24255

|           |                           |
|-----------|---------------------------|
| Max Head: | <b>100m</b>               |
| Q Max:    | <b>500m<sup>3</sup>/h</b> |
| Max Temp: | <b>120°C</b>              |
| Ports:    | <b>DN 32-150</b>          |



### AN Long Coupled, DIN 24255

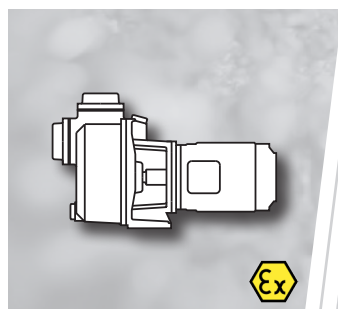
|           |                           |
|-----------|---------------------------|
| Max Head: | <b>100m</b>               |
| Q Max:    | <b>700m<sup>3</sup>/h</b> |
| Max Temp: | <b>120(190)°C</b>         |
| Ports:    | <b>DN 32-150</b>          |



### BOB Long Coupled, Flexible Coupling

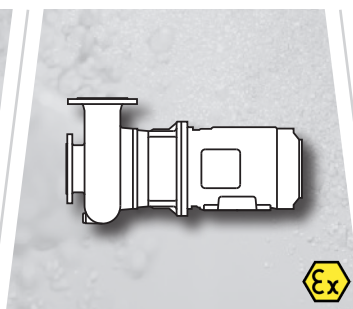
|           |                            |
|-----------|----------------------------|
| Max Head: | <b>30-150m</b>             |
| Q Max:    | <b>2000m<sup>3</sup>/h</b> |
| Max Temp: | <b>120°C</b>               |
| Ports:    | <b>DN 100-250</b>          |

## Centrifugal



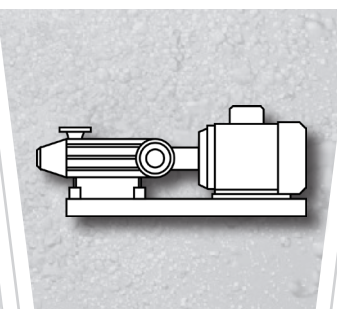
### CA Self Priming, Close Coupled

|           |                           |
|-----------|---------------------------|
| Max Head: | <b>105m</b>               |
| Q Max:    | <b>200m<sup>3</sup>/h</b> |
| Max Temp: | <b>90°C</b>               |
| Ports:    | <b>DN 1¼"-125</b>         |



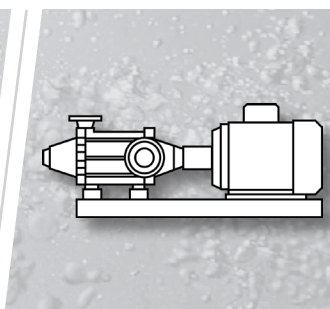
### VRX Monobloc, Vortex Impeller

|           |                           |
|-----------|---------------------------|
| Max Head: | <b>30m</b>                |
| Q Max:    | <b>500m<sup>3</sup>/h</b> |
| Max Temp: | <b>100°C</b>              |
| Ports:    | <b>DN 50-200</b>          |



### TKR Horizontal Multistage

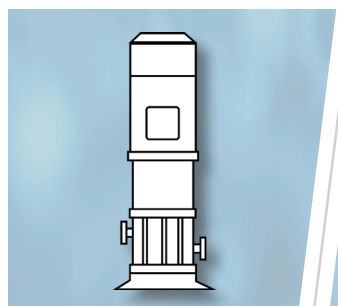
|           |                           |
|-----------|---------------------------|
| Max Head: | <b>600m</b>               |
| Q Max:    | <b>500m<sup>3</sup>/h</b> |
| Max Temp: | <b>140°C</b>              |
| Ports:    | <b>DN 32-150</b>          |



### TKK Horizontal Multistage

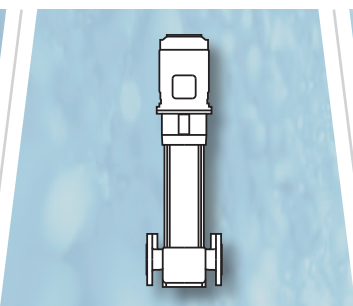
|           |                           |
|-----------|---------------------------|
| Max Head: | <b>900m</b>               |
| Q Max:    | <b>900m<sup>3</sup>/h</b> |
| Max Temp: | <b>160°C</b>              |
| Ports:    | <b>DN 40-250</b>          |

## Other Pumps



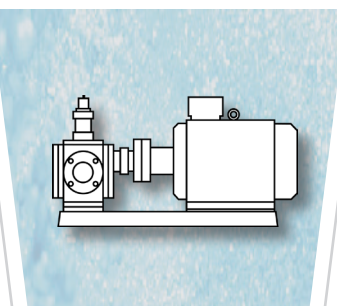
### VTK Vertical Multistage

|           |                           |
|-----------|---------------------------|
| Max Head: | <b>400m</b>               |
| Q Max:    | <b>300m<sup>3</sup>/h</b> |
| Max Temp: | <b>120°C</b>              |
| Ports:    | <b>DN 20-150</b>          |



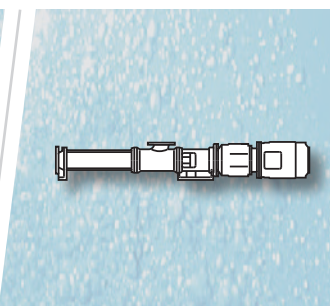
### C Multistage, Vortex Impeller

|           |                          |
|-----------|--------------------------|
| Max Head: | <b>200m</b>              |
| Q Max:    | <b>40m<sup>3</sup>/h</b> |
| Max Temp: | <b>120°C</b>             |
| Ports:    | <b>DN 1"-3"</b>          |



### YCB Horizontal Gear Pump

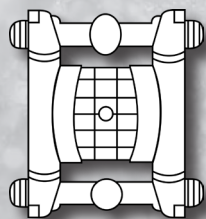
|           |                          |
|-----------|--------------------------|
| Max Head: | <b>160m</b>              |
| Q Max:    | <b>97m<sup>3</sup>/h</b> |
| Max Temp: | <b>80°C</b>              |
| Ports:    | <b>DN 25-125</b>         |



### KL-KB Eccentric Screw

|           |                           |
|-----------|---------------------------|
| Max Head: | <b>40m (80m)</b>          |
| Q Max:    | <b>120m<sup>3</sup>/h</b> |
| Max Temp: | <b>80°C</b>               |
| Ports:    | <b>DN 80-200</b>          |

## Other Pumps



### AOD

|           |                     |
|-----------|---------------------|
| Max Head: | 80m                 |
| Q Max:    | 70m <sup>3</sup> /h |
| Max Temp: | 95°C                |
| Ports:    | DN ¼"-3"            |



### AIR OPERATED

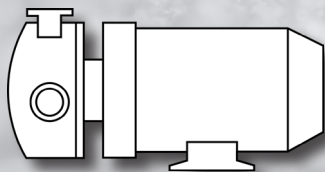
|           |                     |
|-----------|---------------------|
| Max Head: | 5500m               |
| Q Max:    | 54m <sup>3</sup> /h |
| Max Temp: | 95°C                |
| Ports:    | DN ¾"-3"            |



### BARREL

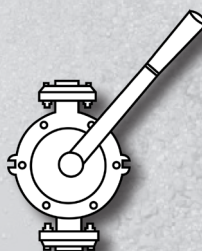
|           |                     |
|-----------|---------------------|
| Max Head: | 5500m               |
| Q Max:    | 14m <sup>3</sup> /h |
| Max Temp: | 150°C               |
| Lengths:  | DN 500-3000         |

## Other Pumps



### FLEXIBLE IMPELLER

|           |                     |
|-----------|---------------------|
| Max Head: | 40m                 |
| Q Max:    | 72m <sup>3</sup> /h |
| Max Temp: | 100°C               |
| Ports:    | DN 19-100mm         |



### HAND

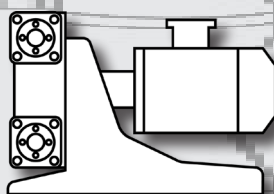
|           |                    |
|-----------|--------------------|
| Max Head: | 25m                |
| Q Max:    | 8m <sup>3</sup> /h |
| Max Temp: | 80°C               |
| Ports:    | DN ¾"-2"           |



### VANE

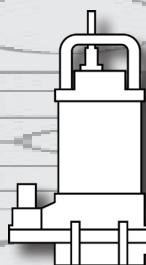
|           |                      |
|-----------|----------------------|
| Max Head: | 130m                 |
| Q Max:    | 110m <sup>3</sup> /h |
| Max Temp: | 250°C                |
| Ports:    | DN ¾"-4"             |

## Other Pumps



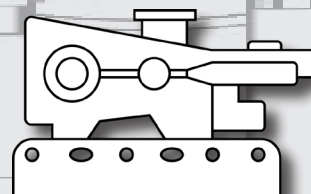
### PERISTALTIC

|                 |                     |
|-----------------|---------------------|
| Max Head:       | 150m                |
| Q Max:          | 44m <sup>3</sup> /h |
| Solid Handling: | Up to 25mm          |
| Ports:          | DN ¾"-4"            |



### SUBMERSIBLE

|           |                       |
|-----------|-----------------------|
| Max Head: | 178m                  |
| Q Max:    | 4800m <sup>3</sup> /h |
| Max Temp: | 95°C                  |
| Ports:    | DN 15-610mm           |



### PISTON

|           |                      |
|-----------|----------------------|
| Max Head: | 6900m                |
| Q Max:    | 300m <sup>3</sup> /h |
| Max Temp: | 115°C                |
| Ports:    | DN ¼"-3"             |



Accredited to  
enable you to buy  
with confidence.



### Why choose Castle Pumps?

- ✓ Over 10 years of technical expertise and application experience.
- ✓ Single source supplier for all pumping solutions and genuine replacement parts.
- ✓ More than just pumps - we offer valves, meters, control panels & bespoke pump kits
- ✓ We can provide 3.1 Material Certification, Certificate of Conformity, 2.1/2.2 Declaration of Compliance/Statement of Compliance and Certificate of Origin; and for export, EUR1's and attested invoices.
- ✓ Pumps are packed to ISPM15 as standard.



## CASTLE PUMPS LTD

**T** +44 (0)1773 533 283

**E** [sales@castlepumps.com](mailto:sales@castlepumps.com)

**W** [castlepumps.com](http://castlepumps.com)

**Castle Pumps Ltd** 16 Farrington Way  
Eastwood, Nottingham, NG16 3BF