

UNIGLIDE

SINGLE STAGE, DOUBLE ENTRY, AXIALLY SPLIT CASING PUMP

PUMP OVERVIEW

The ClydeUnion Pumps Uniglide range consists of both configured and engineered-to-order axially split double suction pumps:

- Over 150 frame sizes to perform all duties at optimal efficiency
- Horizontal and vertical configurations available
- Various sealing arrangements available
- Material options available for non-corrosive and corrosive applications including seawater
- Radial and thrust bearings available with either grease or oil lubrication
- WRAS and NSF coatings suitable for potable water available
- Designed for both 50Hz and 60Hz markets
- Clockwise and anti-clockwise rotation available

TYPICAL APPLICATIONS

- Desalination
- Water treatment, supply & distribution
- District heating & district cooling
- Power auxiliaries
- Mining
- Metal manufacturing
- Chemical & petrochemical industries
- General industrial applications
- Building services
- Irrigation
- Cooling water



TECHNICAL DATA

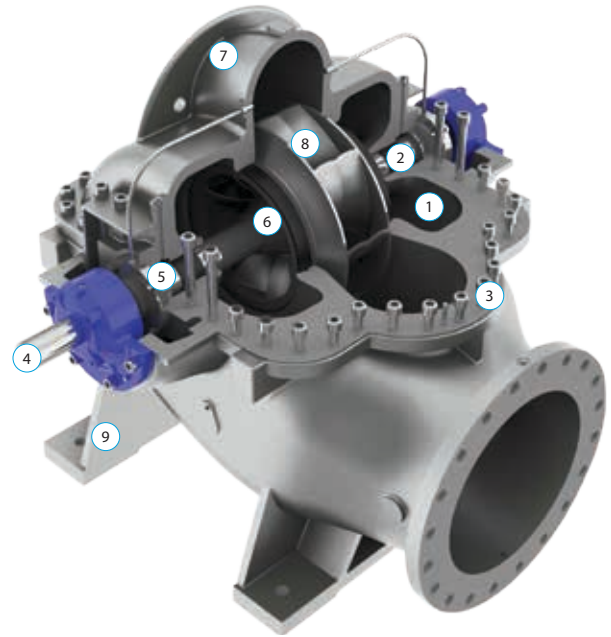
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|-------------------------|---|
| Capacity: | up to 20,000 m ³ /hr / 88,000 USgpm |
| Delivery head: | up to 350 m / 1,100 ft |
| Temperature: | up to 80 °C / 180 °F |
| Speeds: | up to 3,600 rpm |
| Flange drilling: | ANSI or BS |

| MATERIAL SPECIFICATION | CASING | IMPELLER | SHAFT |
|------------------------|-----------------|-----------------|-----------------|
| SPEC I2 | Cast Iron | Bronze | Stainless Steel |
| SPEC J | Cast Iron | Stainless Steel | Stainless Steel |
| SPEC A8 | Stainless Steel | Stainless Steel | Super Duplex |
| SPEC D1 | Duplex | Duplex | Super Duplex |
| SPEC D2 | Super Duplex | Super Duplex | Super Duplex |

Please Note: A wide range of additional materials are available on request

FEATURES + BENEFITS

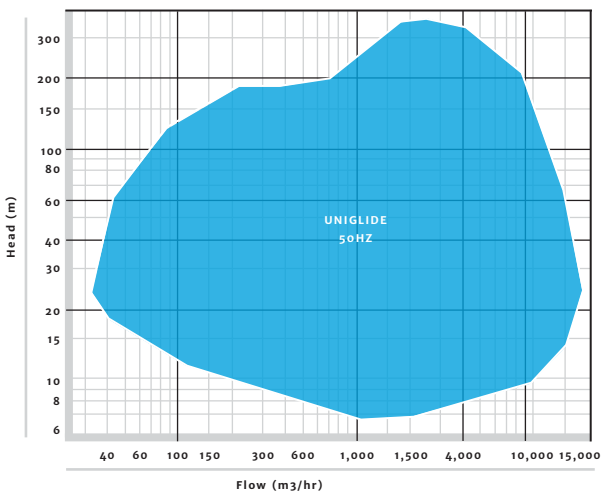
- 1 **Low energy costs**
Hydraulic design provides low NPSH, stable characteristics and high efficiency further enhanced with internal coating on cast iron casings and polished internals for steel alloy applications
- 2 **Sealing arrangement**
Single, double and cartridge options. Packed gland available on request
- 3 **Ease of maintenance**
Split casing design simplifies maintenance by allowing access to pump rotor without disturbing pipework or driver
- 4 **Extended shaft life**
Shaft designed to minimise dynamic shaft deflection and provide ample safety factor in rotation speed, ensuring an extended shaft life
- 5 **Shaft sleeves**
Renewable shaft sleeves are available in a variety of materials offering shaft protection against stuffing box wear
- 6 **Wear options**
For economical renewal of operational clearances, replaceable metallic wear rings are fitted as standard, which reduces pressure leakage and improves the overall efficiency. Impeller and composite wear rings are available as a standard option
- 7 **Casing design**
Robust casing designed to reduce external forces and vibration incorporating integral bearing support. Double volute design utilised on appropriate frames



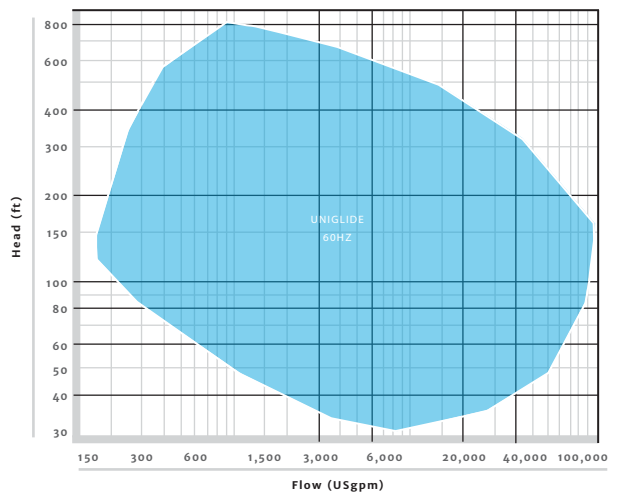
- 8 **Double entry impeller**
Hydraulically balanced impeller designed with optimised geometry provides high efficiency and low NPSH whilst minimising axial thrust for extended bearing and seal life
- 9 **Horizontal / vertical arrangement**
Rigid integrally cast feet allows mounting arrangement to be horizontal or vertical. Vertical pumps are fitted with a product lubricated bottom bearing as standard

RANGE COVERAGE CHARTS

50HZ RANGE CHART



60HZ RANGE CHART



These charts cover the standard pump range. Other engineering designs exist for extreme applications

P: +44 (0)141 637 7141
F: +44 (0)141 633 2399
E: cu.sales@celerosft.com

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