

# Aquaglide



## Single Stage Large End Suction Pump

### CAST IRON ARRANGEMENT

The CLYDEUNION Pumps Aquaglide range of horizontal long coupled or vertical long coupled pumps is an established large end suction range suitable for high capacity applications.

- 26 individual pump frames sizes divided into 5 modular shaft groupings
- Horizontal and vertical configurations available
- Numerous sealing options available
- Material options also available for corrosive applications including seawater (refer to 'Aquaglide Steel Alloy' datasheet)
- Back pull out design allows for easy removal of the pump rotating element without disturbing the pipe work ensuring ease of maintenance
- WRAS and NSF coatings suitable for potable water available
- Designed for both 50Hz and 60Hz markets

### TYPICAL APPLICATIONS

- Water Treatment, Supply and Distribution
- District Heating and District Cooling
- Irrigation
- De-watering
- Power Auxiliaries
- Paper Manufacturing
- Mining
- Metal Manufacturing
- Chemical and Petrochemical Industries
- General Industrial Applications
- Building Services

### TECHNICAL DATA

Capacity: up to 10,000 m<sup>3</sup>/hr/44,000 USGPM  
Delivery head: up to 120 m /400 feet  
Temperature: up to 120 °C /250 °F  
Speeds: up to 1,500 rpm  
Flange drilling: BS or ANSI

### MATERIALS OF CONSTRUCTION & COMPONENTS:

| Material Spec | Casing    | Impeller        | Shaft           |
|---------------|-----------|-----------------|-----------------|
| Spec I1       | Cast Iron | Cast Iron       | Stainless Steel |
| Spec I2       | Cast Iron | Bronze          | Stainless Steel |
| Spec J        | Cast Iron | Stainless Steel | Stainless Steel |

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

Technical Data



Pictured main & inset: Aquaglide vertical & horizontal arrangements

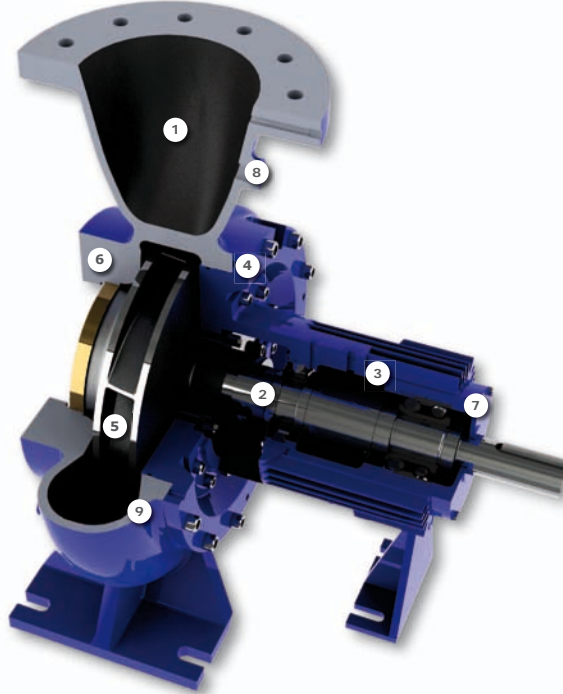


# Aquaglide



## Single Stage Large End Suction Pump

### CAST IRON ARRANGEMENT



**1 LOW ENERGY COSTS**

Hydraulic design provides high efficiency, low NPSH and stable characteristics

**2 OPTIMUM SEAL PERFORMANCE**

Choice of seal - packed gland, single, double and cartridge options available

**3 EXTENDED BEARING LIFE**

Choice of bearing - single or double, oil or grease lubricated

**4 EASE OF MAINTENANCE**

Back pull out design allows full access without disturbing site pipe work or driver

**5 LOW POWER CONSUMPTION**

Shrouded impeller design provides high efficiency and low hydraulic thrust

**6 WEAR OPTIONS**

Casing wear rings fitted as standard, impeller wear ring option available

**7 MODULAR DESIGN**

Minimises spares holding of back pull out components

**8 CENTRE LINE DISCHARGE**

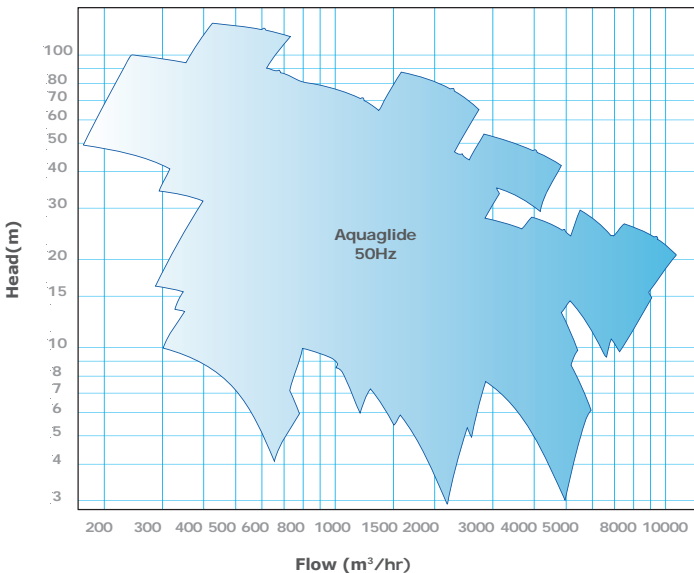
Self venting casing design prevents air entrapment in the top of the casing

**9 SIMPLIFIED BUILD PROCEDURES**

Spigot design facilitates self setting axial clearance

Features & Benefits

**RANGE COVERAGE CHART: Aquaglide 50Hz 2 & 4 Pole**



**RANGE COVERAGE CHART: Aquaglide 60Hz 2 & 4 Pole**

