

# Aquaglide

## SINGLE STAGE, LARGE END SUCTION PUMP

### PUMP OVERVIEW

The ClydeUnion Pumps Aquaglide range of horizontal and vertical pumps is an established large end suction range suitable for high capacity applications:

- 26 individual pump frame sizes divided into 5 modular shaft groupings
- Horizontal and vertical configurations available
- Numerous sealing options available
- Material options available for non-corrosive and corrosive applications including seawater
- Back pull-out design allows for easy removal of the pump rotating element without disturbing the pipework 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 + distribution
- Desalination
- District heating + district cooling
- Irrigation
- De-watering
- Power auxiliaries
- Paper manufacturing
- Mining
- Metal manufacturing
- Chemical + petrochemical industries
- General industrial applications
- Building services



### TECHNICAL DATA

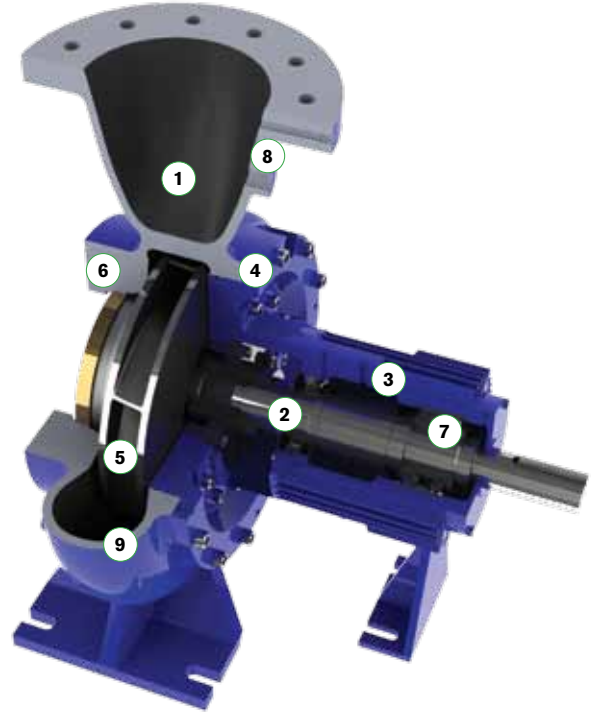
- Capacity:** up to 44,000 USgpm / 10,000 m<sup>3</sup>/hr
- Delivery head:** up to 400 ft / 120 m
- Temperature:** up to 180 °F / 80 °C
- Speeds:** up to 1,500 rpm
- Flange drilling:** ANSI or BS

MATERIAL SPECIFICATION	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
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

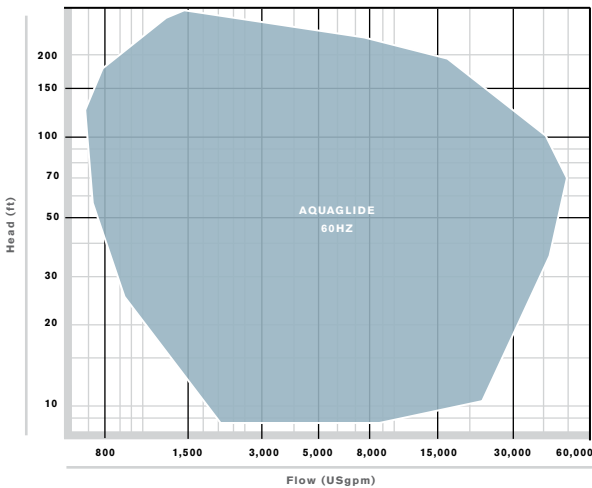
## FEATURES + BENEFITS

- 1 **Low energy costs**  
Hydraulic design provides high efficiency, low NPSH and stable characteristics
- 2 **Optimum seal performance**  
Single, double and cartridge options. Packed gland available on request
- 3 **Extended bearing life**  
Grease lubricated. Oil lubricated as a non-standard option
- 4 **Ease of maintenance**  
Back pull-out design allows full access without disturbing site pipework 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**  
Minimizes spares holding of back pull-out components
- 8 **Center 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

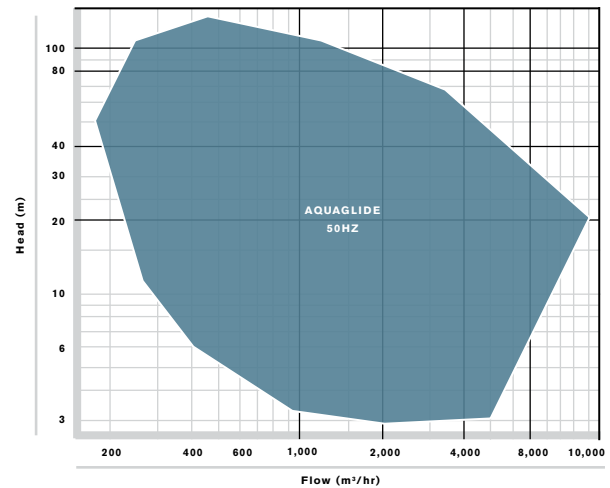


## RANGE COVERAGE CHARTS

60HZ RANGE CHART



50HZ RANGE CHART



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