

# 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

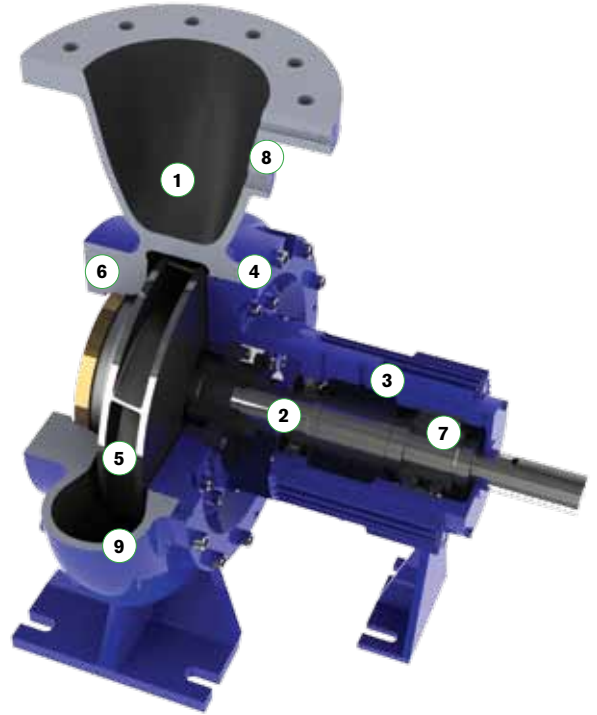
- Capacity:** up to 10,000 m<sup>3</sup>/hr / 44,000 USgpm
- Delivery head:** up to 120 m / 400 ft
- Temperature:** up to 80 °C / 180 °F
- Speeds:** up to 1,500 rpm
- Flange drilling:** ANSI or BS

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

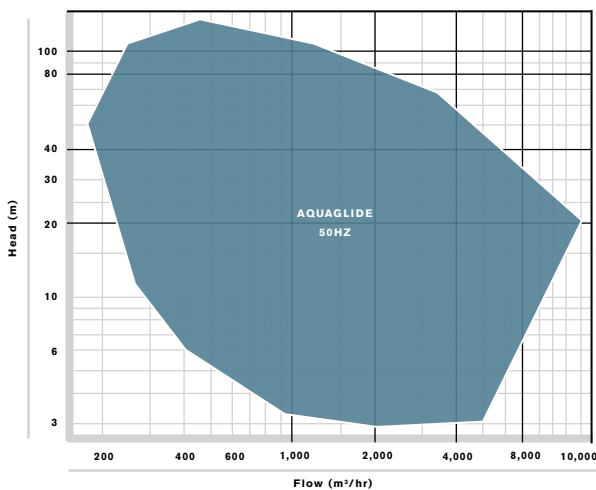
## FEATURES + BENEFITS

- 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**  
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

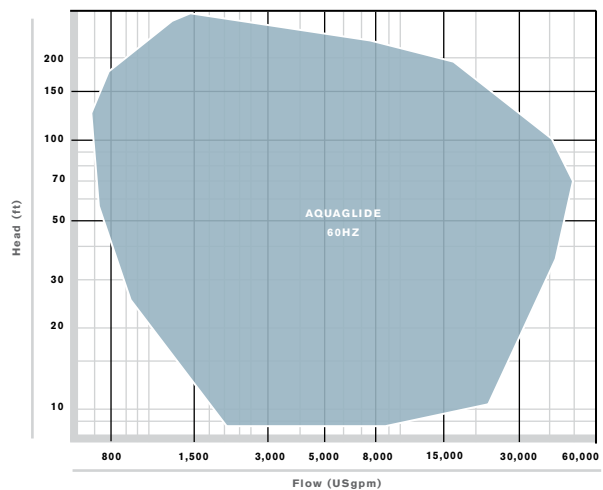


## RANGE COVERAGE CHARTS

50HZ RANGE CHART



60HZ RANGE CHART



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

# SPX

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

For more information about our worldwide locations, approvals, certifications, and local representatives, please visit [www.spx.com](http://www.spx.com).

SPX Corporation reserves the right to incorporate our latest design and material changes without notice or obligation. Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing.

CUP-04-AQUA-UK-02

COPYRIGHT © 2012 SPX Corporation