

# PUMP OVERVIEW

YOUR ULTIMATE GUIDE TO OUR CUTTING-  
EDGE PUMP SOLUTIONS FOR THE FLOW  
CONTROL INDUSTRY

CLYDEUNION® PUMPS

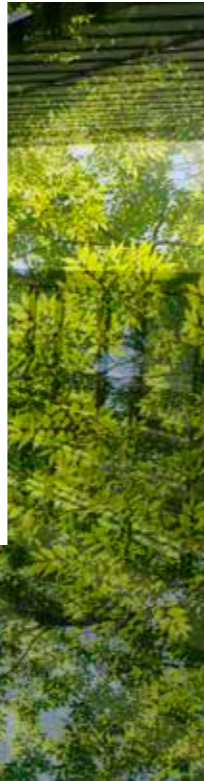
PLENTY®

S&N PUMPS®



## ABOUT CELEROS FLOW TECHNOLOGY

Celeros Flow Technology are a full-lifecycle optimisation partner and advisor for the world's critical flow systems. Leveraging our renowned brands in pumps, valves and pipeline access solutions, we manufacture and market products, components, services and technologies that play an integral role in addressing today's challenges and tomorrow's needs. Our focus is in serving key customer sectors where our solutions can have the maximum impact. These sectors include Oil & Gas, Power (including nuclear, conventional and renewable energy), Chemical Processing, Energy Transition and Marine/Defence. Through continued engineering investment and an innovative approach to the challenges we encounter, our solutions consistently set industry benchmarks in terms of performance and reliability.



## YOUR SUSTAINABLE LIFECYCLE PARTNER

The energy sector has a pivotal role to play in the fight against climate change. The transition and improvement of the existing energy structure, alongside the development of new applications and resources are critical in this fight. Celeros FT is committed to forging a more sustainable future by creating products for emerging energy needs, including carbon capture and storage, new nuclear technologies and renewable energy. Simultaneously, we remain dedicated to supporting our existing customers on their journey toward decarbonising their operations.

Celeros FT's full lifecycle solutions are designed to minimise emissions, optimise operational efficiency and deliver sustainable results. Together, we can create a safer, more resilient and cleaner energy future.



## PUMPING SOLUTIONS

With over 150 years of pump experience, Celeros FT's pumping technology is designed to enhance environmental performance, reduce energy consumption and optimise uptime. Our pumps offer exceptional return on investment and lower the total cost of ownership. Continuous innovation is evident throughout our pump portfolio, which includes centrifugal, reciprocating and vane pumps, plus specialist units for specific applications.

### OUR PUMP BRANDS

#### CLYDEUNION® PUMPS



**ClydeUnion Pumps** is one of the world's leading pump companies and a Centre of Excellence in pump technology, including hydraulic design and engineering. The company specifically focuses on each of its customer's key markets and provides comprehensive global aftermarket support.

#### PLENTY®



**Plenty Pumps** produce a comprehensive range of positive displacement, variable flow and fixed rotary vane pumps, plus a multitude of triple and twin screw pumps; ideal for applications including forced oil lubrication and bulk liquid transfer, such as tank to tank ship bunkering.

#### S&N PUMPS®



**S&N Pumps** provide packaged seawater lift pump systems and related accessories for offshore applications. Their E-Z Lift automated reel system and bio-fouling prevention systems are finding new applications in offshore wind installation.

# CENTRIFUGAL PUMPS

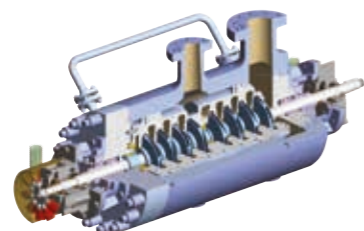
## BETWEEN BEARINGS

**CUP-BB5HP:** Multi-stage, API, barrel radially split pump



Capacities to:  
220, USgpm / 2,800 m3/hr  
Delivery:  
13,450 ft / 4,100 m

**CUP-BB5V:** Multi-stage, API, barrel radially split pump



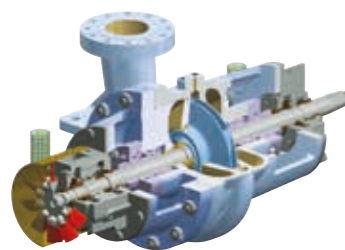
Capacities to:  
12,350 USgpm / 2,800 m3/hr  
Delivery:  
13,600 ft / 4,100 m

**CUP-BB3:** Multi-stage, API, axially split



Capacities to:  
11,000 USgpm / 2,500 m3/hr  
Delivery:  
11,000 ft / 3,350 m

**CUP-BB2:** Single/ two stage, API, radially split pump



Capacities to:  
18,000 USgpm / 4,090 m3/hr  
Delivery:  
2,300 ft / 700 m

**CUP-BB1:** Single stage, API, axially split pump



Capacities to:  
88,000 USgpm / 20,000 m3/hr  
Delivery:  
3,300 ft / 1,000 m

**Uniglide-E:** Single stage, double entry, axially split casing pump



Capacities to:  
17,600 USgpm / 4,000 m3/hr  
Delivery:  
650 ft / 200 m

**Uniglide:** Single stage, double entry, axially split casing pump



Capacities to:  
88,000 USgpm / 20,000 m3/hr  
Delivery:  
1,148 ft / 350 m

**Duoglide:** Two stage, axially split, casing pump



Capacities to:  
11,000 USgpm / 2,500 m3/hr  
Delivery:  
1,050 ft / 320 m

**Duoglide-E:** Two stage, axially split, casing pump



Capacities to:  
5,950 USgpm / 1,350 m3/hr  
Delivery:  
910 ft / 275 m

CLYDEUNION® PUMPS



## OVERHUNG PUMPS

CLYDEUNION® PUMPS

**CUP-OH4:** Single stage, API, vertical in-line pump



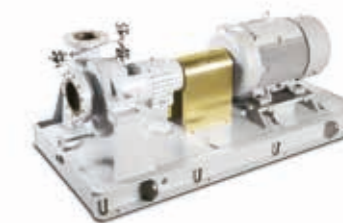
Capacities to:  
6,000 USgpm / 1,365 m3/hr  
Delivery:  
1,200 psi / 82 bar

**CUP-OH3:** Single stage, API, vertical in-line pump



Capacities to:  
6,000 USgpm / 1,365 m3/hr  
Delivery:  
735 psi / 50 bar

**CUP-OH2:** Single stage, API end suction pump



Capacities to:  
7,200 USgpm / 1,635 m3/hr  
Delivery:  
735 psi / 50 bar

**Swallowglide:** Single stage, end suction pump



Capacities to:  
130,000 USgpm / 30,000 m3/hr  
Delivery:  
430 ft / 130 m

**Isoglide:** Single stage, end suction pump



Capacities to:  
4,400 USgpm / 1,000 m3/hr  
Delivery:  
670 ft / 200 m

**Aquaglide:** Single stage, large end suction pump



Capacities to:  
44,000 USgpm / 10,000 m3/hr  
Delivery:  
1,099 ft / 335 m

# CENTRIFUGAL PUMPS



## VERTICAL

**CUP-VS6:** Multi-stage, API, vertical diffuser, turbine double



Capacities to:  
31,000 USgpm / 7,000 m3/hr  
Delivery:  
1,900 ft / 600 m

**CUP-VS4:** Single stage sump pump



Capacities to:  
2,000 USgpm / 450 m3/hr  
Delivery:  
520 ft / 160 m

**CUP-VS1:** Multi-stage, API, vertical diffuser / turbine single case pump (VS1)



Capacities to:  
31,000 USgpm / 7,000 m3/hr  
Delivery:  
1,900 ft / 600 m

**CUP-VCM:** Vertical, single / multistage pump



Capacities to:  
530,000 USgpm / 4120,000 m3/hr  
Delivery:  
984 ft / 300 m

**CUP-VCM:** Vertical, single stage, inline, radially split pump



Capacities to:  
1,800 USgpm / 410 m3/hr  
Delivery:  
500 ft / 150 m

**DB62c:** Cryogenic multi-stage, vertical pump



Capacities to:  
11,000 USgpm / 2,500 m3/hr  
Delivery:  
1,310 ft / 400 m

**CUP-CEP:** Multi-stage, vertical, double entry, canister pump



Capacities to:  
176,000 USgpm / 40,000 m3/hr  
Delivery:  
164 ft / 50 m

**CUP-CW:** Single / two stage vertical bowl / turbine pump



Capacities to:  
176,000 USgpm / 40,000 m3/hr  
Delivery:  
1,480 ft / 450 m

# RECIPROCATING PUMPS



## HEAVY DUTY HORIZONTAL PUMPS



ClydeUnion Pumps specialises in designing and manufacturing API 674 reciprocating pumps and pumping packages. The streamlined reciprocating pump portfolio reduces complexity and enhances parts interchangeability, making product selection easier and turnaround faster.



**Simplex Direct Acting:**  
Steam driven simplex



**Duplex Direct Acting:**  
Steam driven duplex



# SPECIALISED PUMPS

## NUCLEAR PUMPS

Our involvement in the nuclear power market began with the first ever industrial scale nuclear power plant. Since then we have been central to all major nuclear power programs globally. Our ability to design many reliable solutions for the specific needs of the overall nuclear plant, allied to our comprehensive service provision means there are ClydeUnion Pumps nuclear installations in over 65% of operational nuclear power plants worldwide across many technologies.

CLYDEUNION® PUMPS



TWL™

Integral steam turbine, water lubricated pump



Residual Heat Removal Pump



Single Stage Feed Water Pump



Charging Pump



Concrete Volute Cooling Water Pump



Medium Head Safety Injection Pump



Motor Driven Auxiliary Feedwater Pump



Medium Head Safety Injection Pump



Nuclear Booster Pump



# S&N PUMPS

S&N PUMPS®

## SUBMERSIBLE PUMPS



Specialised Offshore Pumps



Specialised Offshore Pumps



Vertical Submersible Turbine Pumps

# PLENTY PUMPS

## VANE PUMPS



**Rotary Vane Pump:**  
U2000 Series



Capacities to:  
1100 USgpm / 250 m3/hr  
Pressure to:  
20 Bar / 290 Psi

**Fixed Flow Belt Driven Rotary Vane Pump:** P2000 Series



Capacities to:  
1100 USgpm / 250 M3/hr  
Pressure to:  
20 Bar / 290 Psi

**Fixed Flow Rotary Vane Pump:**  
G2000 Series



Capacities to:  
220 USgpm / 50 m3/hr  
Delivery:  
12 Bar / 175 Psi

## THREE SCREW PUMPS

**TRIRO Three Screw Pump:**  
C-Range



Capacities to:  
300 USgpm / 68m3/hr  
Discharge Pressure:  
50 Bar / 725 Psi

**TRIRO Three Screw Pump:**  
T-Range



Capacities to:  
300 USgpm / 68.0 M3/hr  
Discharge Pressure to:  
20 Bar / 290 Psi

**TRIRO Three Screw Pump:**  
E-Range



Capacities to:  
3300 USgpm / 750.0 m3/hr  
Discharge Pressure  
50 bar / 725 Psi

**TRIRO Three Screw Pump:** H-Range



Capacities to: 380 USgpm / 87.0 M3/hr  
Discharge Pressure: 138 Bar /2000 Psi



## TWO SCREW PUMPS



**Twinro Two Screw Pump:**  
Positive displacement rotary twin screw pump

## MAGMO PUMPS



**Sugar Pump - Magmo Series:**  
designed principally to handle high viscosity abrasive sugar products.

## LIFETIME WORLDWIDE SUPPORT

Every product Celeros FT supplies is supported by a full lifetime commitment. Celeros FT provides a full aftermarket service, drawing on either its own engineers or fully trained and highly experienced service partners, depending on the location of the installation. We have service facilities located to support the majority of our customers globally.

Celeros FT's aftermarket support extends across all of its legacy brands as well as for new equipment, providing full backup for obsolete products and for third party equipment. The parts Celeros FT supply meet the original specification, or are upgraded where appropriate, and many components can be covered by a Rapid Response option which can have parts on site within 24 hours.

Celeros FT's aftermarket support is subject to the same supply chain management as the pump manufacturing. This provides customers with the lowest lead times and costs whilst meeting the highest standards of quality assurance. In addition to spare parts, routine servicing, overhauls and inventory control, the aftermarket support covers upgrades and comprehensive technical advice about the potential refitting of existing installations for greater efficiency and reliability. Celeros FT can work with your own engineers to carry out meticulous inspections and advise on maintenance schedules, carry out full vibration analysis, pressure and

pulsation testing, and train your service personnel. Celeros FT's history and breadth of experience, as well as its geographical coverage and expertise, make it the natural first choice for any pump related problem or inquiry, no matter what the location, the scale of the task or the original manufacturer.

We guarantee supply of parts for all Celeros FT heritage brands and/or obsolete products, including:

- Weir Pumps
- Clyde Pumps
- Union Pump
- Girdlestone
- Mather & Platt
- Harland
- Drysdale
- WH Allen
- Allen Gwynnes
- David Brown Pumps
- DB Guinard Pumps
- American Pump
- Pumpline



INSTALLATION & COMMISSIONING: TROUBLE FREE COMMISSIONING ANYWHERE IN THE WORLD



PARTS: ANY BRAND, ANY MATERIAL, ANYTIME



- | SPEED
- | EXCELLENCE
- | PARTNERSHIP

 **CLYDEUNION® PUMPS**

 **PLENTY®**

 **S&N PUMPS®**

## OUR CELEROS FLOW TECHNOLOGY SITES

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*Celeros Flow Technology 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. Please contact your local sales representative for product availability in your region. For more information, visit [www.celerosft.com](http://www.celerosft.com).*

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