



SUBMERSIBLE PUMP & MOTOR SUPPLY, SERVICE & REPAIR



ENGINEERED SUBMERSIBLE PUMPSETS

Pump & motor supply & service
www.flowdirectpumps.com



ENGINEERED SUBMERSIBLE PUMPSETS

Flowdirect UK Ltd are a dedicated Submersible Pumps Supply and Service business. Our products have a great pedigree and heritage and are renowned for durability and reliability. We have an extensive range of hydraulic selections and motor sizes. Our pumps can be configured for standard well applications or for ultra-reliability in offshore environments.

OFFSHORE SUBMERSIBLE PUMP

Using 100 year of pumping experience and the latest computational techniques the team at Flowdirect have engineered a submersible pump-set to suit the more arduous conditions.

PUMP

| | |
|------------------------------|--|
| Sizes: | 4" to 12" bowls |
| Max Capacity: | 575m ³ /hr <i>(Higher flows available on request)</i> |
| Max Static Flow Temp: | 55°C |
| Max Head: | 400 m |
| Speeds: | 50 Hz & 60 Hz available |

- Continuously rising head curves
- Non overloading power curves
- Suitable for horizontal or vertical installations
- Non-return valves available to prevent reverse rotation

MOTOR

- Specially designed for offshore applications
- Filled with Glycol / water
- Sized for 120% of maximum pump power
- Re-windable PE2 motor
- Robust bearing construction to absorb hydraulic thrust loads and provide rotor dynamic stability

CONSTRUCTION

- Ni-Al Bronze available as standard for hydraulic components
- Duplex and Super Duplex available when requested

TYPICAL APPLICATIONS

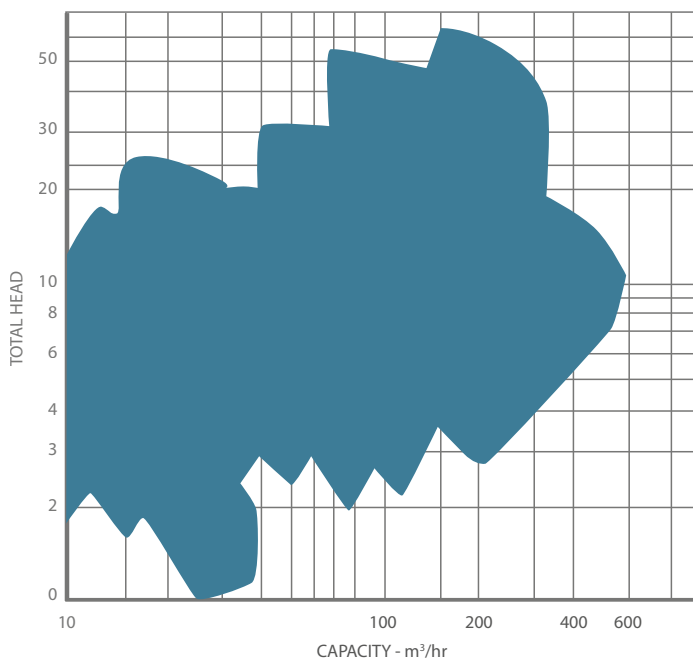
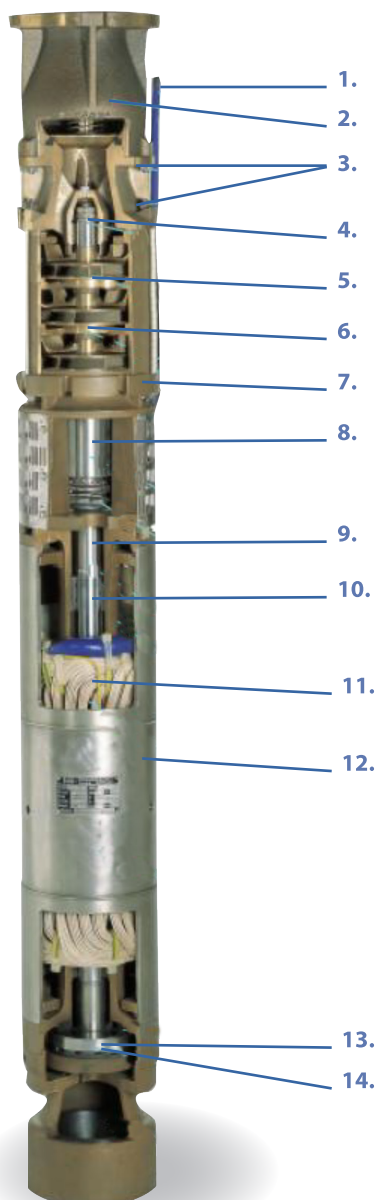
- Pre-fill water
- Mud mixing water
- Ballast water
- Drill water
- Wash down water
- Water curtains
- Cooling water
- Fire water
- Potable + sanitary water



OVER 100 YEARS
PUMP ENGINEERING EXPERIENCE

OFFSHORE SUBMERSIBLE PUMP FEATURES

- 1. Power supply cable:** Flowdirect hold popular cable sizes in stock
- 2. Non-return valve:** Spring loaded or gravity, non-clogging and canting. Short closing time avoids water hammer
- 3. Threaded stud connections:** Rapid and low cost dismantling with stainless steel studded connections
- 4. Bearing:** Water resistant bearings. High resistance against sand and vibration
- 5. Impellers:** Wear resistant impellers of high quality bronze or stainless steel. Exact pump duties can be achieved through hydraulic modifications
- 6. Stationary & rotating wear rings:** Wear resistant, replaceable stationary and rotating rings
- 7. Pump casing:** Materials available for all applications
- 8. Engineered coupling:** Simple connection between pump and motor
- 9. Mechanical shaft seal and double lip seal system:** highly wear resistant seal for a long life and integrity
- 10. Pump & motor shaft:** High grade stainless steel of robust construction
- 11. Bearing sleeve:** Double bearing sleeve made of synthetic carbon with spiral groove for cooling and lubrication of the motor
- 12. Motor cooling:** Motor sized for pump max power. Option of temperature control in the motor by internal cooling circuit
- 13. Motor shroud:** Stainless steel
- 14. Counter axial thrust bearing:** Resists axial up-thrust





ENGINEERED SUBMERSIBLE PUMPSETS

CONTACT

Flowdirect have a dedicated engineering team that can assist in selecting your equipment. We can also provide reliability and pump/system advice to keep your equipment in service for longer.

For new equipment enquiries or for spares and service please contact our sales team on +44 (0)1484 483183 or email sales@flowdirectpumps.com



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SERVICE & REPAIR

CUSTOMER SERVICE & REPAIR

At flowdirect we have highly skilled and experienced engineers ready to provide your pumping equipment with complete life cycle care. We recognise the need to maintain and optimise production and the criticality of pumping equipment to the success of your business.

We offer the following Products & Services:

- Fault Finding
- Failure Analysis
- System Analysis
- Field Service
- Workshop Repair
- Motor Re-winding
- Cable Replacement
- Electrical Testing
- Hydraulic Re-rate
- Materials Upgrade
- Mechanical Upgrade
- Inventory Management
- Parts Supply including Rapid Response in emergency situations
- Commonality Assessment
- Product Training
- Maintenance Programs

We are available to react to your needs 24/7 and are committed to the highest standards of safety and quality. We will be ISO Certified by June 2014 to support our ambition to provide world class service to our customers.