



GILKES

INDUSTRIAL PUMPING SYSTEMS



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OVER 160 YEARS OF FLUID HANDLING EXPERIENCE HAS MADE GILKES A WORLD LEADER IN ENGINEERING SOLUTIONS WITHIN THE PUMP INDUSTRY. WORLD WIDE TECHNICAL SUPPORT, SPARES AND REFURBISHMENT FACILITIES, TOGETHER WITH A COMPREHENSIVE RANGE OF BOTH DESIGNED AND FACTORED EQUIPMENT, ENABLES GILKES TO OFFER THE RIGHT PUMPING SOLUTION.

Our extensive Industrial Pump range offers solutions for the movement of fluids from clean water to effluent, sludges, waste, drainage, abrasive liquids, and acids for virtually any application.

Our quality standards, ISO 9001/2008 and ISO/TS16949 (for Engine Cooling Pumps) and our policy of continuous improvement, technical support, stocks, experience and customer focus allow us to offer the highest standards of service at the lowest cost.



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VARISCO SELF PRIMING SERIES



VARISCO J SERIES

Self priming pumps for handling a wide range of liquids containing solids and abrasives.

FEATURES

- Cast iron, stainless steel, bronze materials
- Simple construction
- Easy inspection of impeller
- Quick self priming without foot valves
- Large diameter solids handled
- High resistance to abrasive liquids
- Externally lubricated mechanical seal
- Easy to install
- ATEX certified pumps available
- Drives 50/60 Hz electric motor, diesel engines
- Available in magnetically driven option

APPLICATIONS

- Drainage
- Drilling plants
- Emergency duty
- Mining
- Naval
- Transfer and agriculture
- Effluent plants



VARISCO ST SERIES

Heavy duty self priming utility pumps for handling sewage and liquids containing solids in suspension, up to 76mm.

FEATURES

- Heavy duty ductile iron casing
- Front and rear wear plate with rubber facing
- Easily replaced check valve
- Easy inspection of impeller and casing
- Fast priming
- Oil bath self-aligning mechanical seal
- High tensile alloy steel shaft
- Oversized bearings
- Brass wrenches for easy removal
- Pressure relief valve
- Mechanical seal and bearing oil sight gauge
- Two bladed open impeller giving solids clearance of up to 76mm
- Connection for casing heater
- Pusher bolts on impeller inspection cover
- Drive options include 50/60Hz electric, diesel, belt and hydraulic

APPLICATIONS

- Sewage lift stations
- Sewer by-pass
- Sewage treatment
- Pumping water with high concentrations of solids in suspension
- Industrial waste water treatment



VACUUM PRIME ENGINE DRIVEN PUMPS – Models include Simple/Ecomatic/Duo

FEATURES

- Automatic dry priming
- Large solids handling capability
- Easy inspection
- High air capacity
- Depending on the model port sizes range from 1 1/2" to 12"
- Vacuum prime centrifugal pumps. Highly dependable pumps suitable for wellpoint systems and construction site dewatering

APPLICATIONS

- Drainage
- Emergency duty
- Ground water dewatering
- Naval



SILENCED PUMPS – Range includes Silent, Muteline, Melody, Albatross

They consist of a self priming unit coupled to a silenced diesel engine. Each model within the range operates at different noise levels from 55 to 73 dB(A) and offer a range of performance criteria to meet all conditions, from weatherproof to extended running hours or higher efficiency. Port ranges from 4" to 6" on all models.

APPLICATIONS

- Construction industry
- Quarry / mining
- Dewatering
- Military

CENTRIFUGAL AND SUBMERSIBLE PUMPS



T SERIES

The modular T series is a highly versatile range of horizontal and vertical, single stage, centrifugal pumps available both long and close coupled.

FEATURES

- Heavy duty pump case
- Materials: cast iron, ductile iron, bronze, stainless steel, Hastelloy
- Standard ISO Metric pump
- In-line, horizontal, vertical and multistage options
- ATEX certified pumps available
- Electrically driven motors in 50Hz or 60Hz
- Single, double, cartridge and packed gland seal options available.

APPLICATIONS

- Agriculture
- Water companies
- Construction
- Mining
- Marine
- MOD
- General industry
- Automotive industry
- Chemical
- Petrochemical



TITAN SERIES

Submersible pumps in the TITAN series, designed to pump water containing mud, sand, clay and other abrasive materials.

FEATURES

- Dual external chamber for optimal motor cooling
- Pump body and impeller - cast iron
- Motor with IP68 protection rating
- Double mechanical seal in oil bath.
- Primary seal in silicon carbide, secondary seal in ceramic graphite.
- Bearings prelubricated with grease

APPLICATIONS

- Civil Engineering
- Industrial
- Agricultural
- Naval / Marine Waste
- Treatment Emergency



BLACK SERIES

Black pumps are ideal for pumping liquids with solids in suspension and in civil and industrial sewage plants.

FEATURES

- Materials: cast iron, 304 stainless steel and 316 stainless steel
- Impellers: single channel, multi channel, vortex, grinder
- Sizes from 1.1/4" to 4"
- Maximum flow 80m³/hr
- Maximum head 26m

APPLICATIONS

- Liquids with solids in suspension
- Pumping out settled sludge
- Sewage treatment
- Agricultural waste
- Domestic and industrial sewage treatment plants



WALLWIN JW SERIES SUBMERSIBLE

A family of sewage-handling submersibles available with 50Hz motors in 2, 4 or 6 pole speeds, with discharge sizes ranging from 80mm to 300mm.

FEATURES

- Long life bearings
- Robust drive shaft
- Cost saving couplings
- Cast iron pump casing
- High security seals
- Convenient lifting handle
- Fully protected cable and motor
- Heat dissipating motor housing
- Moisture detection probe
- Efficient durable impellers

APPLICATIONS

- Raw sewage
- Storm water
- Primary treated sewage
- Final effluent
- Primary sludge
- Humus sludge
- Digested sludge
- Activated sludge
- Supernatant liquid
- Grit removal

POSITIVE DISPLACEMENT PUMPS



MARATHON/SANDPIPER

Sandpiper pumps are air-driven, double diaphragm pumps. The simple design and operation offer many advantages over other types of pumps.

FEATURES

- Self priming
- Variable flow
- No seals or motors
- Pumps viscous materials
- ATEX Certified pumps in all materials available
- Runs dry without damage
- Optional porting
- Pumps abrasive and sheer-sensitive materials
- Deadheads against closed discharge

APPLICATIONS

- Chemical handling
- Process industries
- Automotive
- Sludge and slurries
- Paint, coatings
- Ceramic glaze and slip
- Industrial waste
- Municipal waste
- Food processing
- Marine
- Construction / utilities
- Mining



VARISCO V SERIES

V pumps are internal gear positive-displacement rotary pumps and produce a smooth flow of liquid and a flow rate that is proportionally high for the units small size.

FEATURES

- Ductile iron, steel and stainless steel options with flanged ports
- Simple and versatile in operation
- Low rate of wear
- Anti-galling surface treatment available
- Large bearings absorb radial and axial thrust
- Fully reversible, constant flowrate
- Available in magnetically driven option
- ATEX certified pumps available
- API676 approved on some models
- Packed gland, single, double, heated and flushed seal options"

APPLICATIONS

- Water and waste water
- Sewage and sludge
- Chemical
- Marine
- Oil and gas
- Food and beverage
- Paper and pulp
- Pharmaceutical
- Paints and coatings



PROGRESSIVE CAVITY PUMP

Gilkes offer a full range of Progressive Cavity pumps for all applications including general industry to food and pharmaceutical.

FEATURES

- Available in cast iron, stainless steel, carbon steel, DUPLEX, food grade materials
- Low NPSH required
- Low shear pumping
- Handles liquids with coarse or fine particles
- Versatility on viscosity range
- Constant pulse free flow
- Wide temperature range
- High suction lift capabilities
- Ideal for metering applications
- ATEX and food grade approved pumps available
- Full range of sealing technology for all applications

APPLICATIONS

- Water and waste water
- Sewage and sludge
- Chemical
- Marine
- Oil and gas
- Food and beverage
- Paper and pulp
- Pharmaceutical
- Paints and coatings



ROPER

Roper specialised flow dividers and fuel system pumps set the standard in power generation. Also a leader in the Downhole Process market, Roper's unique rotor and stator design combinations meet a wide range of drilling applications from oil drilling to gold mining.

FEATURES

- Heavy duty cast iron helical gear pumps
- Bi-directional, self priming
- Differential pressures to 125 psi
- Up to 340 gpm
- Standard operation up to 212.F.
- Can be built to operate up to 500 F.
- Maintenance free durability

APPLICATIONS

- Mixing, blending, recirculating and transferring heavy, viscous material in either a fixed or mobile transfer application
- Ideal for gasoline, asphalt, molasses, ink, roofing compound and oils

POSITIVE DISPLACEMENT PUMPS



GILKES LB

LB pumps are diaphragm pumps with a coupling rod driven by a gear box speed reducer.

FEATURES

- Quick, dry self priming up to 6m in a few seconds
- Excellent dry running capability
- No rotating part in contact with the liquid
- No shaft seal required
- High abrasion resistance
- Large size solids handled
- Liquids containing fibres or rags pumped
- Capacity is proportional to speed
- Simple construction

APPLICATIONS

- Construction industry
- Marble industry
- Water treatment
- Food industry
- Textile industry
- Paper industry
- Shipbuilding industry
- Mechanical industry
- Chemical industry
- Agriculture / livestock rearing



PERISTALTIC

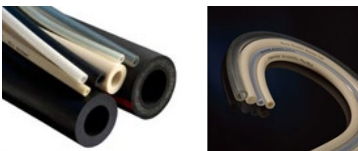
The pump can handle your toughest pumping needs from abrasive and aggressive fluids to sheer sensitive and viscous materials.

FEATURES

- Seal free design
- Fluids contained within the hose
- Self priming to 25.5ft (9 meters)
- Ability to run dry continuously
- Bi-directional
- Ductile iron and steel construction
- Sizes from 1/2" to 8"
- Low energy consumption
- Extended hose life

APPLICATIONS

- Chemical process industry
- Food & beverage
- Industrial & municipal water treatment
- Paints and coatings
- Ceramics
- Mining
- Filter press equipment
- Pulp and paper
- Water and waste water
- Biomass



PERISTALTIC HOSES

These hoses are manufactured in many sizes and are compatible with all brands and makes of peristaltic pumps. The technology used to manufacture the hoses has helped increase life and enabled these hoses to be used in higher pressure applications.

FEATURES

- Many sizes compatible with Abaque, Bredel, Elro, Envirotech, King Cobra, LSM, PCM, RealAx, Verderflex, Watson Marlow and all other manufacturers
- Hoses can be used in higher-pressure applications
- Material options include: Natural Rubber, Nitrile, EPDM, Hypalon, Neoprene
- Food Grade Options - natural rubber with a food grade liner, either in white natural rubber or white nitrile

PERISTALTIC DOSING PUMPS

We offer a full range of dosing pumps using hose technology with a wide variety of control and performance options.

FEATURES

- Single pump head to multi pump heads
- Fully controllable
- Accurate and repeatable flows
- Option for manual or external control

APPLICATIONS

- Biopharmaceutical
- Food and beverage
- Water and waste
- Chemical
- Print and packaging
- Paint and pigments

VARIABLE INVERTER CONTROLS



VARIABLE INVERTER CONTROLS

Variable speed inverter control panels for pumps which can offer significant cost saving on a variety of applications.

FEATURES

- Reduces power consumption - saving energy costs.
- Reduces wear on pumps and motors - cuts cost of spares and repairs
- Cuts downtime due to pump failures
- Simple controllability - for pump performance requirement changes
- Configurable dry-running protection
- The Inverter includes a host of useful maintenance functions adding to class-leading reliability
- Motor life is increased due to low starting current and built-in protection features
- Smooth pump operation minimises water hammer and noise
- Inverters can control of up to four pumps without the need of a separate controller
- No need for wasteful “throttling” valves or by-pass systems to reduce flow rates on oversized pumps.
- Inverters can be retro-fitted to existing pumps.
- Pumps can maintain a constant pressure, irrespective of demand, for example in a factory ring main
- Pumps can maintain a constant flow rate, irrespective of pressure changes, for example in a heating circuit

APPLICATIONS

- Wastewater treatment
- Building water management
- Irrigation
- Household water management
- Renewable energy



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