

Yellowpumps offer a comprehensive range of high quality heavy duty slurry, sludge and water pumps. Available for immediate sale, with sizes available from a stock range from 25mm up to 200mm.

The Yellowpump range provides total versatility when it comes to materials of selection,

interchangeability of components and variations to extend the life of components. Wear and overall reliability will be limited to the weakest part of the pump. The flexible design of these pump units combined with the appropriate selection of material of construction ensure the lowest operating costs.

A wide range of high quality Pumps and

Standard Slurry pump



Designed for the continuous pumping of highly abrasive, high density slurries with minimal maintenance requirements, the Yellowpump horizontal centrifugal pumps maintains high efficiencies over the wear life of its components.

All Yellowpumps offered come with Timken bearings fitted as standard. We offer a choice of either high chrome metal or durable rubber pump liners; we also offer full spare sets backup to support everything that we sell.

Yellowpump rubber and metal lined pumps feature casings which are radially split into two halves with minimum casing bolts reducing maintenance and minimise downtime.

Benefits and options include:

- Yellow pumps are simple to maintain
- Yellow pumps are simple to strip and rebuild
- Yellow pumps require a flooded section to WORK EFFICIENTLY, they are not self priming.
- Yellow pumps offer a number of impeller options.
- Removable cartridge type grease lubricated bearing assembly can be replaced with the pump base in-situ, facilitating easy maintenance.
- Optional centrifugal shaft seal eliminates the need for gland sealing water.
- Configurations of metal and rubber lined pumps of the same frame size use the same base, bearing assembly, stuffing box and shaft sleeve, reducing stockholding to a minimum.



Typical Applications:

- Process Plant Transfers
- Wet Waste Processes
- Recycling - Washing Plants
- Sand Plant Duties
- Heavy Minerals (Processing)
- Mineral Recovery Applications
- Chemical Process Plant Duties.

Gravel pump

The Yellowpump range of gravel pumps is designed specifically for continuous pumping of extremely aggressive slurries, with a wide particle size distribution. Capable of handling large particles at consistently high efficiencies results in low cost of ownership. The large volume internal profile of the casing reduces associated velocities further increasing component life.



Typical Applications:

- Cyclone Feed
- Suction Hopper Dredging
- Dredging
- Barge Loading
- Mill Discharge
- Sand Reclamation
- Sugar Beet

Design and Unique Features

- The unique segmented clamp ring on larger size units and a solid ring on smaller pumps facilitates casing rotation to any angle.
- Impeller expulsion vanes reduce gland pressure and intrusion of high concentrations of solids in the gland area.
- Specially designed and shaped impeller vanes allow the handling of extraordinarily large particles.
- Designed to reduce internal velocities the large, robust casing facilitates minimum efficiency loss and improved casing wear life.
- Yellowpumps heavy-duty grease lubricated taper roller bearing assemblies are fitted as standard.
- A standard unique end cover assembly comprising of V-seals, double piston rings and an external flinger with grease lubricated labyrinths.



Pumpsets available from Yellowpumps

Ground Sump pump



Typical Applications:

- Ground Sump Drainage/Washdown
- Floor Drainage
- Mill Sumps
- Carbon Transfer
- Level Monitoring
- Magnetite Mixing

The Yellow ground sump pump type SP-metal lined and SPR - Rubber lined are manufactured in popular metric sizes, they provide a simple yet rugged range of sump pumps specially devised for:

- Abrasive and/or corrosive slurries
- Large particle size
- High slurry densities
- Continuous or "snore" operations
- Heavy duties demanding cantilevered shafts

Offering many features and benefits:

- Bearings, shaft and housing are generously proportioned.
- Grease lubricated and sealed by labyrinths; the upper bearing is grease purged and the lower bearing protected by a special flinger.
- The upper or drive end bearing is a parallel roller type whilst the lower bearing is a double taper roller with preset end float.
- Mild steel column assembly the Yellowpump type SPR model is

elastomer covered.

- A simple bolt-on casing attachment to the base of the column is manufactured from a wear resistant alloy for the Yellowpump type SP and from moulded elastomer for the type SPR.
- Double suction impellers (top and bottom entry-interchangeable) induce low axial bearing loads incorporating heavy deep vanes for maximum wear resistance and for handling large solids.
- Drop-in metal mesh upper strainer; snap-on elastomer or polyurethane for type SP and type SPR pumps with strainers fitting in column openings.
- Bolted metal or polyurethane lower strainers for type SP and moulded snap-on elastomer for type SPR.

High Head pump

The Yellowpump range of Type HH (High Head) pumps was designed specifically for continuous use in slurry type applications where a high head per stage is required. The range is capable of handling medium size particles and pumping at heads in excess of 90 metres per stage. The small eye to impeller diameter ratio provides a combination that yields excellent wear performance. The pumps were also designed for higher pressure applications typically associated with series pumping.

Design and Unique Features

- Heavy duty encapsulated design, with an all metal design of the wet-end components.
- The unique impeller eye to vane diameter ratio design allows the pump to develop significant amounts of head per stage.
- The wet-end fits onto the standard Yellowpump mechanical end without the need for any adaptor plates.
- Robust heavy duty bearing assemblies consisting of heavy duty taper rollers, minimum shaft overhang and large diameter rigid shafts, all contributing to trouble free operation.
- The Yellowpump type HH pumps are fitted to a size up bearing assembly to cater for the increased absorbed power requirements from the higher head per stage duties.
- A unique end cover assembly comprising V-Seals, double piston rings and an external flinger with grease lubricated labyrinths is standard.
- Available in either a centrifugal or stuffing box sealing arrangement.



Typical Applications:

- Tailings Pumping
- Cyclone Feed
- Press Feed Pump
- High Pressure Water Pump
- Stage Pumping Duties
- Heavy Minerals
- Shaft/Pit Dewatering



Pump Sets

Each pump set is designed specifically to meet the requirements and individual needs of our customers on each and every project. We offer the unique benefits of providing individual designs for individual customers without the long lead times or teething problems usually associated with one off solutions. If other manufacturer's standard products will not fit or do not meet your requirements then speak to Yellowpumps and we will design a purpose built variable speed pump set to meet your individual needs.

Technical advice and design assistance is available upon request; our team has over 100 years of working knowledge and process experience.

We offer a range of pumpsets that can be supplied in a range of formats:

- Stacked format.
- Side by side format.
- Direct coupled format.



Replacement Spares

We are an alternative European supplier of high quality replacement wear parts to suit your 'Warman' pump. We can offer interchangeable wear parts at realistic and fair prices to help you maintain your position as a competitive pump operator.

New replacement wear parts from stock to suit most common models of 'Warman' pumps. (Our parts are not supplied or manufactured by the OEM).

Reconditioned Warman Pumps

We offer refurbished/overhauled, service exchange Warman slurry pumps from stock + 6 months warranty. Also new low voltage ABB industrial electric motors from stock with a full UK warranty.

Burrows pump sales buy & sell new and used or stock surplus Warman pumps and associated spare parts and equipment.



All our pumpsets utilize the following components sourced from leading manufacturers:

ABB ABB - High efficiency motors

TIMKEN Timken - high quality pump bearings
Where You Turn

Fenner Fenner - drive belts and pulleys

KLINGER Klinger - pump packing

FUCHS Fuchs Lubricants - Renolit EP 2 extreme pressure grease