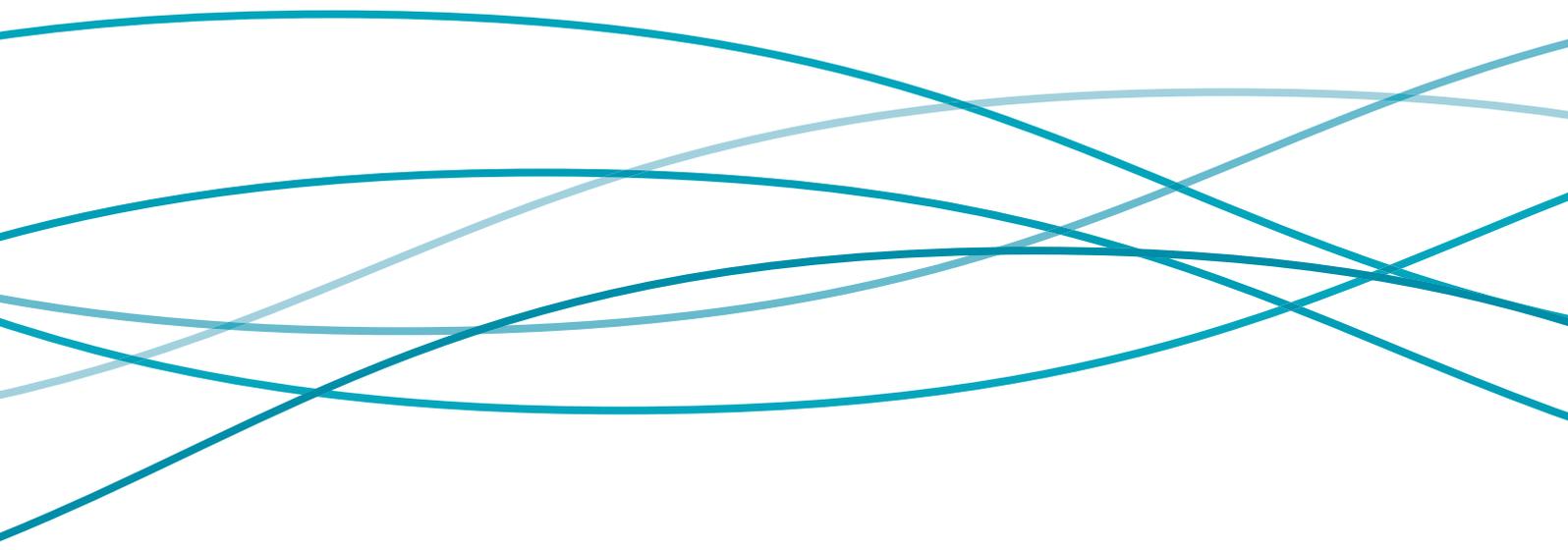


# Agricultural Water Pumping Systems





## CP Pump

- Ideal for drawing water from wells, dams, creeks or shallow bores
- The materials of construction provide a high resistance to alkalis, organic chemicals, oils, septic effluents and domestic or industrial waste.
- The CP Brine Injection unit for meat curing can be found in nearly every butchers shop in the country.
- The gentle pumping action makes the CP range a favourite in wineries for wine transfer duties.

## Features & Benefits

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**Capacity** up to 2.08 lps

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**Heads** up to 28m

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**Motor Options** 240v and 415v

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**Maximum Speed** 1450 rpm

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Typical applications include:

- Milk
  - Honey
  - Food colour
  - Fruit juice
  - Wine
  - Detergents
  - Mustard
  - Domestic water supply
  - Septic effluent
  - Brine injection for meat curing
  - Oily water
  - Molasses transfer stock feed
- 

Feature	Benefit
Single mechanical seal	Low maintenance
Self priming up to 6m	High suction lifts
Tough engineered grade acetal co-polymer plastic housing	Long lasting, low replacement costs
Stainless steel internal rotating parts	Corrosion free, long life
Close coupled drive arrangement	Compact in size
Simple and easy to maintain	Low maintenance
Integral mounting bracket	Ease of installation
Tropical proof motor as standard	Can be installed outside
BSP threaded port connections	Ease of installation
Stainless steel fasteners	Long Life
Bareshaft options	Optional drive selections

## The Great Little All Rounder



Close Coupled Pump



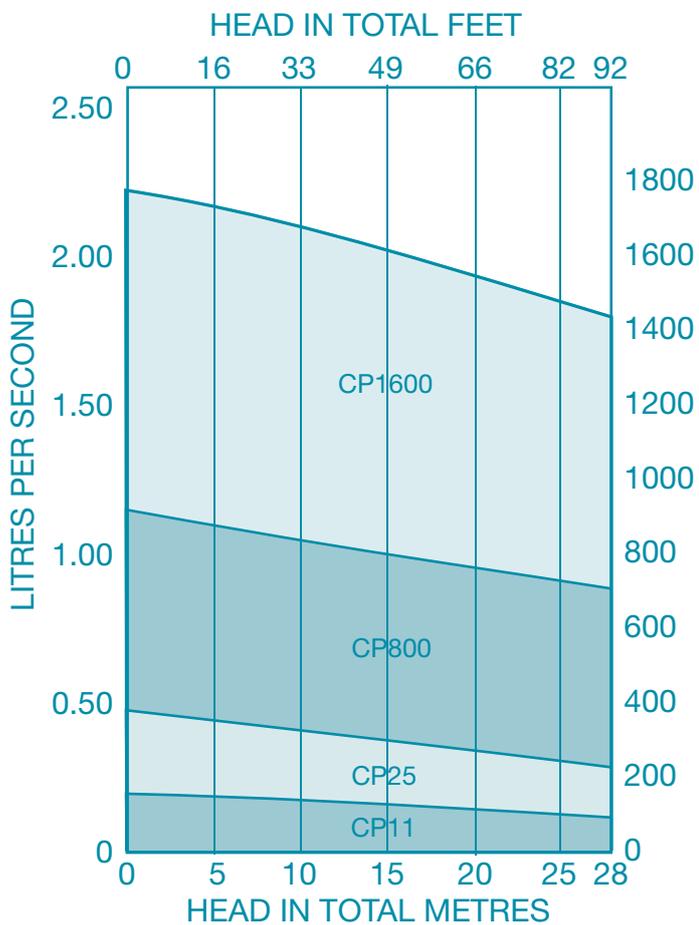
Molasses Feed Pump



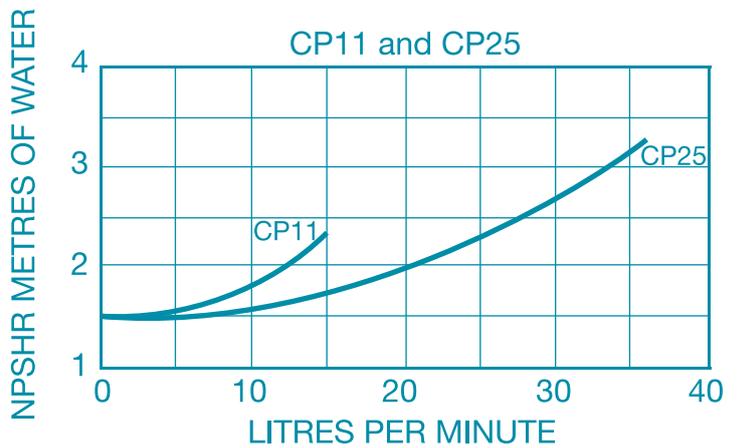
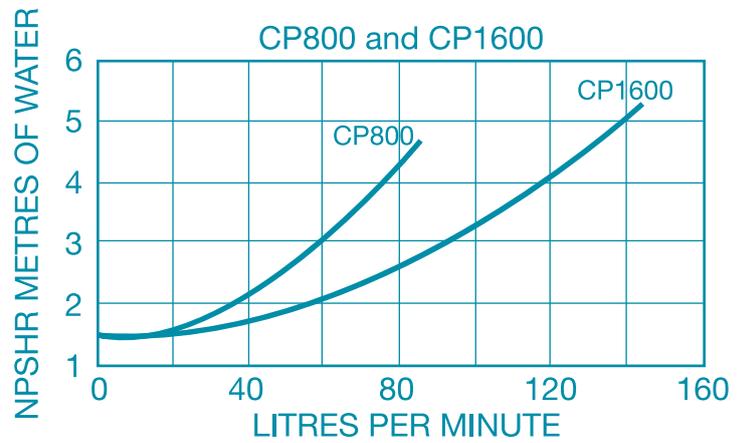
Brine Injection Unit



Shallow Bore



\*For pressures above 28 metres contact Mono Pumps Technical.





## ASP Range Surface Pump

- Stainless steel wear resistant rotor with hard chrome plating and stainless steel shaft for corrosion-free long life
- Titanium Tuff Flexishaft® for improved strength, corrosion resistance and a shorter pump
- The Mono ASP has excellent self priming and suction capabilities
- Energy saving efficient pump design. The Mono ASP Motorotor® gets the most out of any power bill

## Features

- Sand, Silt Tolerant
- Easy Priming
- Long Delivery
- Consistent Flow vs Head
- Shallow Wells

## Applications include:

- Tank Filling
- Stock Watering
- Dam Water
- Creek Water
- Shallow Wells

## Complete Packaged Systems:

### Diesel:

Available with either Yanmar or Kubota diesel motors.

### Petrol:

Honda petrol motor.

### Electric:

240V / 480V - 1 phase  
415V - 3 Phase

### Package Includes:

- Pump
- Motor
- Clutch
- Belt & Pulleys
- Galvanised Base
- Safety Guard

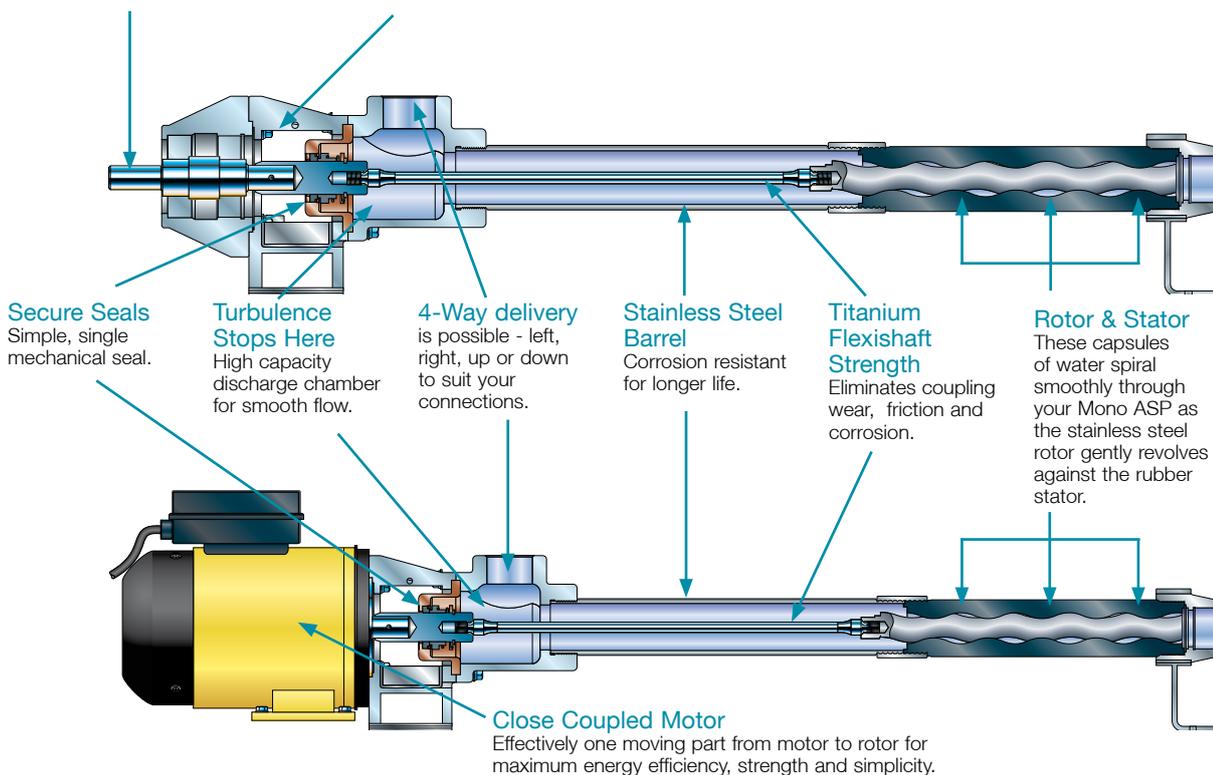


### Positive Drive Shaft

High quality, robust, keyed drive for positive power transmission.

### Bearing Housing

Industrial strength bearings are easy to get at and maintain.



**Secure Seals**  
Simple, single mechanical seal.

**Turbulence Stops Here**  
High capacity discharge chamber for smooth flow.

**4-Way delivery**  
is possible - left, right, up or down to suit your connections.

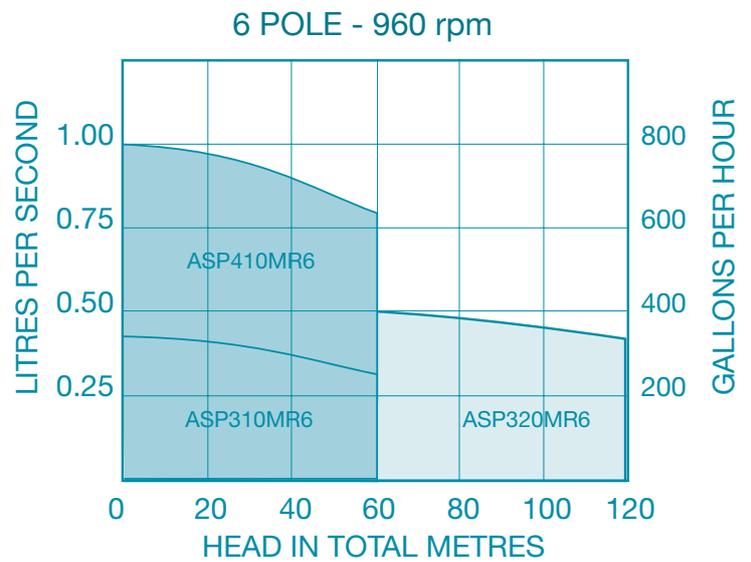
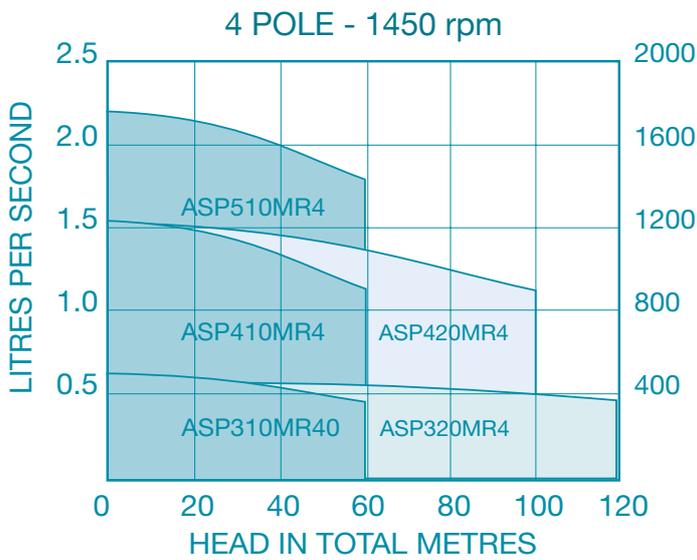
**Stainless Steel Barrel**  
Corrosion resistant for longer life.

**Titanium Flexishaft Strength**  
Eliminates coupling wear, friction and corrosion.

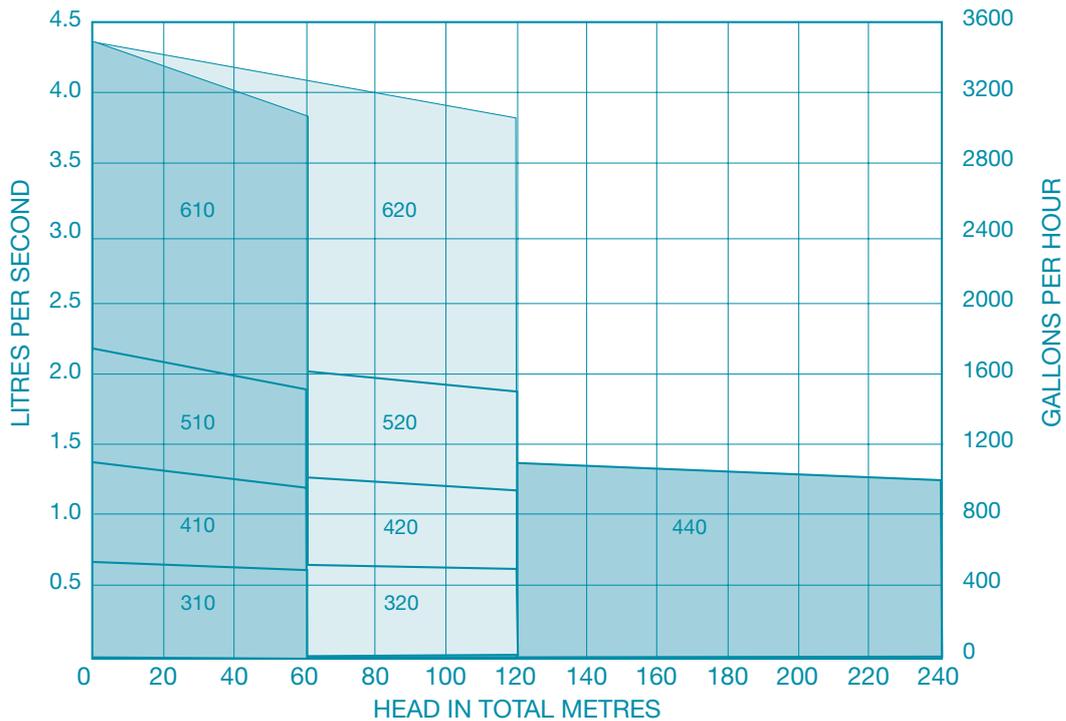
**Rotor & Stator**  
These capsules of water spiral smoothly through your Mono ASP as the stainless steel rotor gently revolves against the rubber stator.

**Close Coupled Motor**  
Effectively one moving part from motor to rotor for maximum energy efficiency, strength and simplicity.

## Performance Data



### BARESHAF T PUMP



**TITANIUM TUFF**

**2**  
Year  
Flexishaft  
Warranty



## AGM Range Longhaul Surface Pumps

- Rugged, high capacity pumps with heavy duty bearing housings
- Stainless steel wear resistant rotor with hard chrome plating and stainless steel shaft for corrosion-free long life
- The Longhaul's high efficiency means low running costs
- Simple construction works within a forgiving range of tolerances, maintaining reliability, performance and efficiency
- Strength to withstand high heads and long pumping hours decade after decade
- Control the flow and speed of your pump by simply changing the pulley size

## Choose your drive:

### Diesel:

The low-revs pumping capacity of the Longhaul will deliver maximum water for least fuel

### Petrol:

Throttle out for more water. Throttle in for lower speed and lower volume. It is that simple

### Bareshaft:

The straightforward pulley drive lets you attach to whatever drive you have available

### Electric:

Value out of your power bill. Longhaul will push water even when turning slowly - an advantage for those with fluctuating power supply

## Features & Benefits

Capacity	0.33 to 14 lps
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Heads	up to 300 m
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### Typical applications include:

- Tank filling
- Stock watering
- Sprinklers
- Long distance water transfer



### Positive Drive Shaft

High quality, robust, keyed drive for positive power transmission.

### Easy Bearing Maintenance

Industrial strength bearings are easy to get at and maintain.

### Stainless Steel Flexishaft

Forms one moving part with the rotor to eliminate coupling wear, friction and corrosion.

### Gland Packing

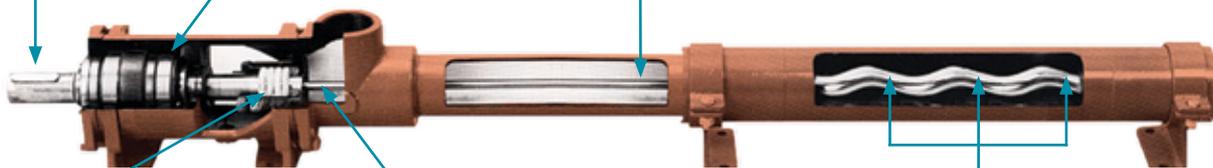
AGM models have robust gland packing rings.

### 4-Way delivery

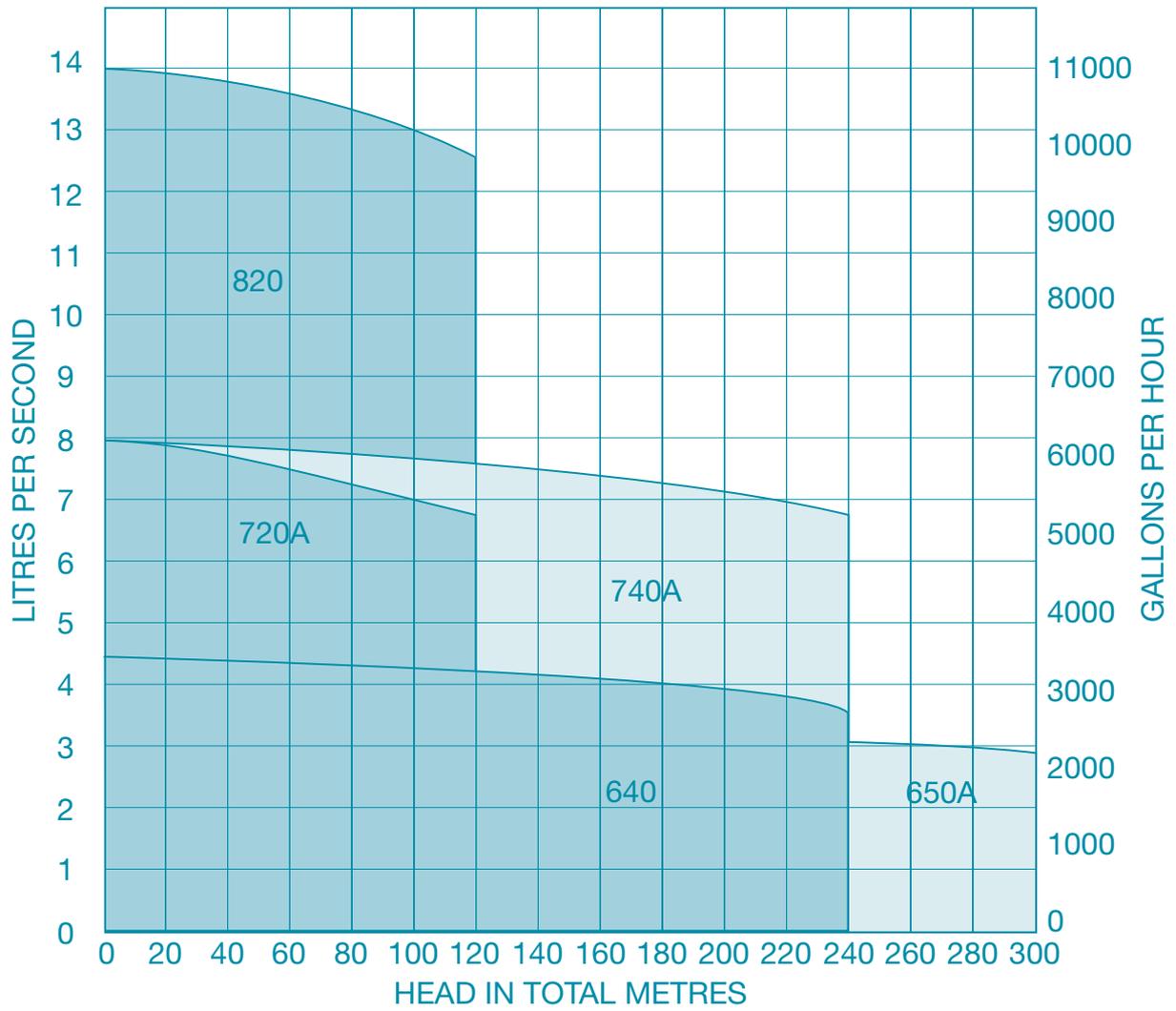
Is possible - left, right, up or down to suit your connections.

### Rotor & Stator

These capsules of water spiral smoothly through your Mono Longhaul as the stainless steel rotor gently revolves against the rubber stator.



## Performance Data



Petrol



Diesel



Electric

## Subrotor® Submersible Pump

- Ideal for pumping from bores containing iron oxides
- Cheaper to run
- High head ... Less horsepower
- Stainless steel
- Abrasion resistance
- Simple construction
- Just one moving part does all the pumping
- Easy to repair
- Rotor / stator self cleaning and ensures no algae or oxide deposits ... No clogged pump impellers
- More pump for your money

### More Flow at Higher Heads

The Mono system doesn't just spin water along. It pushes encapsulated water with positive force, so that ample volume is maintained at high heads.

### More Water, Lower Energy Bills

Mono Subrotor pumps waste the least possible energy on internal friction, especially compared to multi-stage and jet pumps.

### Easy Maintenance

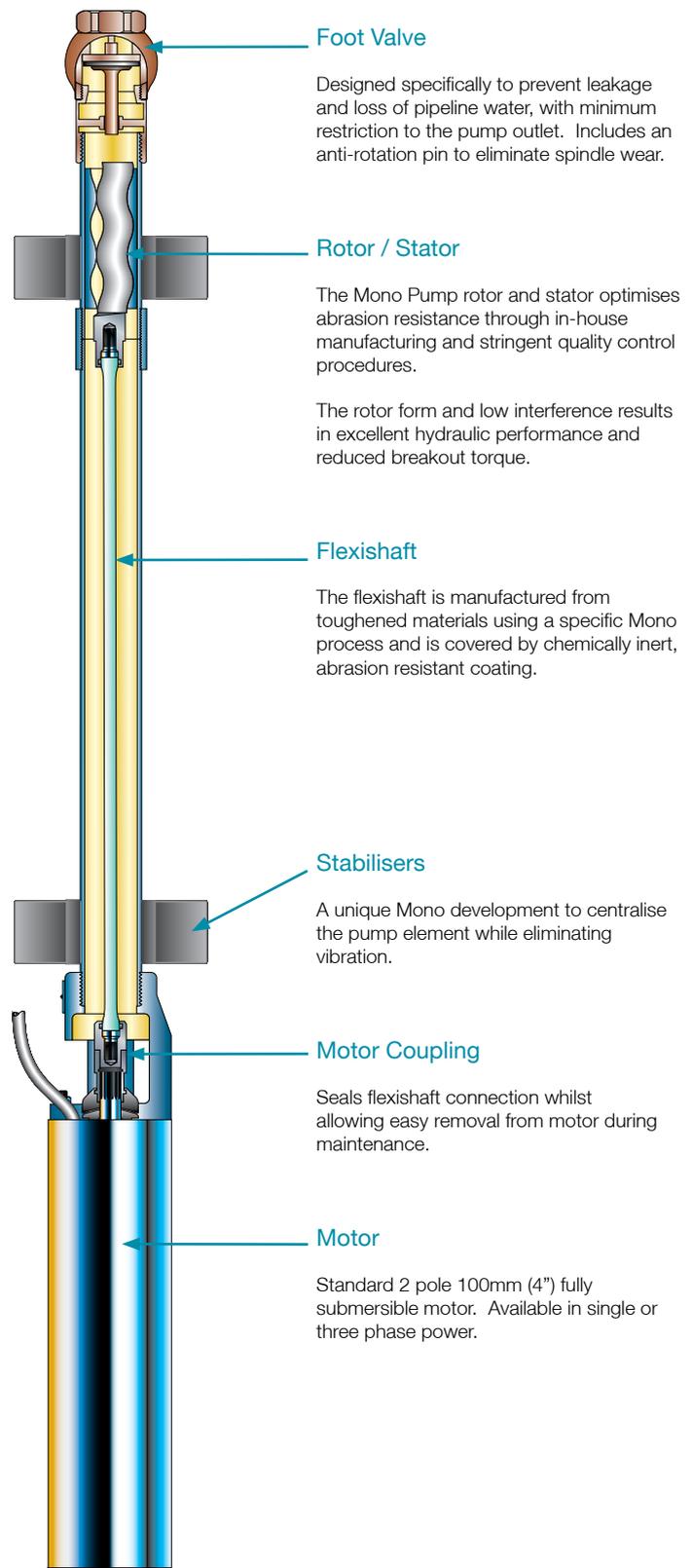
Unlike centrifugal pumps, the Subrotor has only one moving pump part - the rotor. Its companion, the rubber stator is also very resistant to wear and can easily be replaced with just a wrench.

### Self Cleaning

The rotor sweeps the full surface of the rubber stator every turn. It is impossible for growth or iron oxide deposits etc. to develop on the surface. "No clogged pump impellers".

### Chrome Plated Rotor

Mono chrome plated, stainless rotors are up to 4 times harder than the stainless you find in centrifugal pumps.



The Mono® Subrotor pump offers the first real alternative to multi-stage centrifugal borehole pumps.

Unlike the conventional borehole pump which uses centrifugal force as the energy to move the water, the Mono Subrotor uses the progressing cavity rotor/stator principle to draw water up through it.

When the hard chrome plated rotor fits inside the rubber stator the two components touch and form a seal bead, behind which a sealed capsule is formed, which moves from the suction side to the discharge of the pump as the rotor rotates inside the stator. The liquid within the capsule is delivered so positively that the pump is capable of very high pressure.

The Mono pumping principle was invented in the 1930's, and has continued to be developed and refined to meet the increasing needs of the world's pumping industries.

The progressing cavity principle is one of the most efficient and reliable methods of pumping water ever. The design principle ensures that the pumps are also extremely reliable, particularly on borehole water with a silt or iron oxide content.



## Subrotor Pumping System Controller

### Diagnostic indicator lights:

- Power
- Running
- Timer
- Cool down
- Low voltage
- Float switch

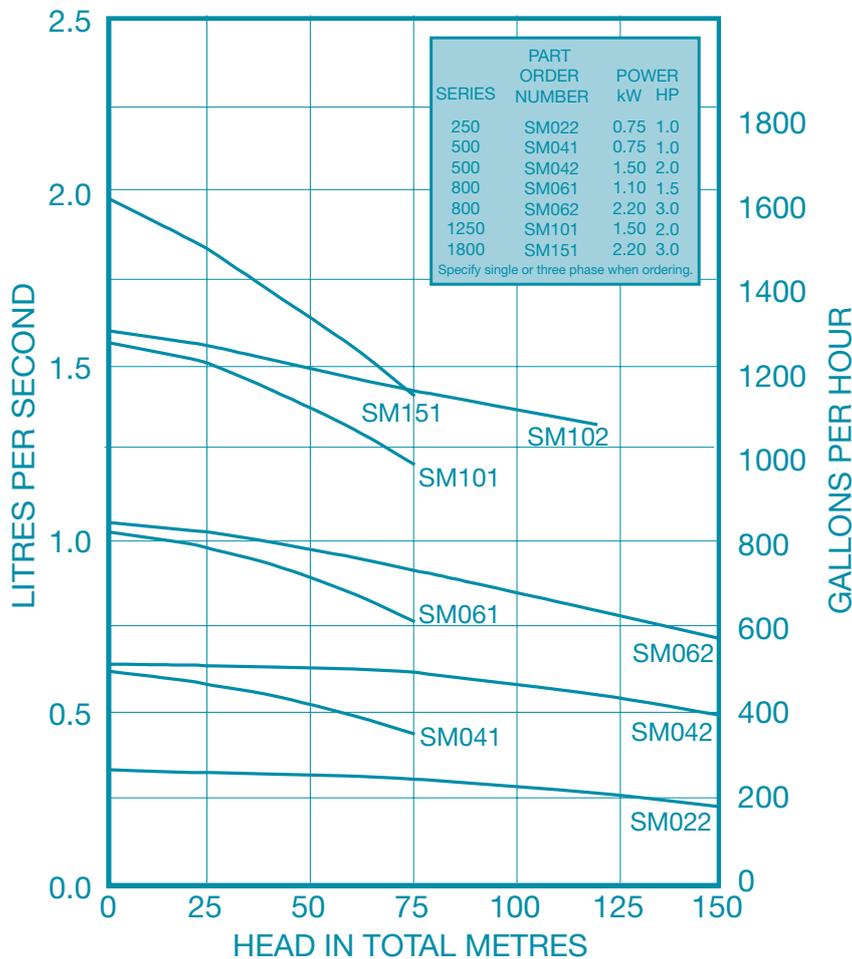
### Increased protection:

- Under voltage
- Over current
- IP66 enclosure

### Increased functionality:

- Float switch input - bore probe
- Run timer
- Count down timer

## SUBROTOR PRESELECTION CURVE





## Lineshaft Borehole Pump

The Mono Borehole pump is the essence of simplicity in design.

- The simple positive displacement, Mono designed rotor and stator are immersed below draw-down level in the bore or well. The motor and drive head are located at ground level for easy inspection, maintenance and installation. Suitable for all types of underground waters - whether sand or silt, brackish or corrosive
- Stainless steel shafting and column is available for brackish applications
- Special purpose corrosive water pumps are available for special applications
- Available with a quarter twist drive head or where space is an issue, right angle drive head

## Features & Benefits

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**Capacity** 14 lps

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**Heads** up to 300 m

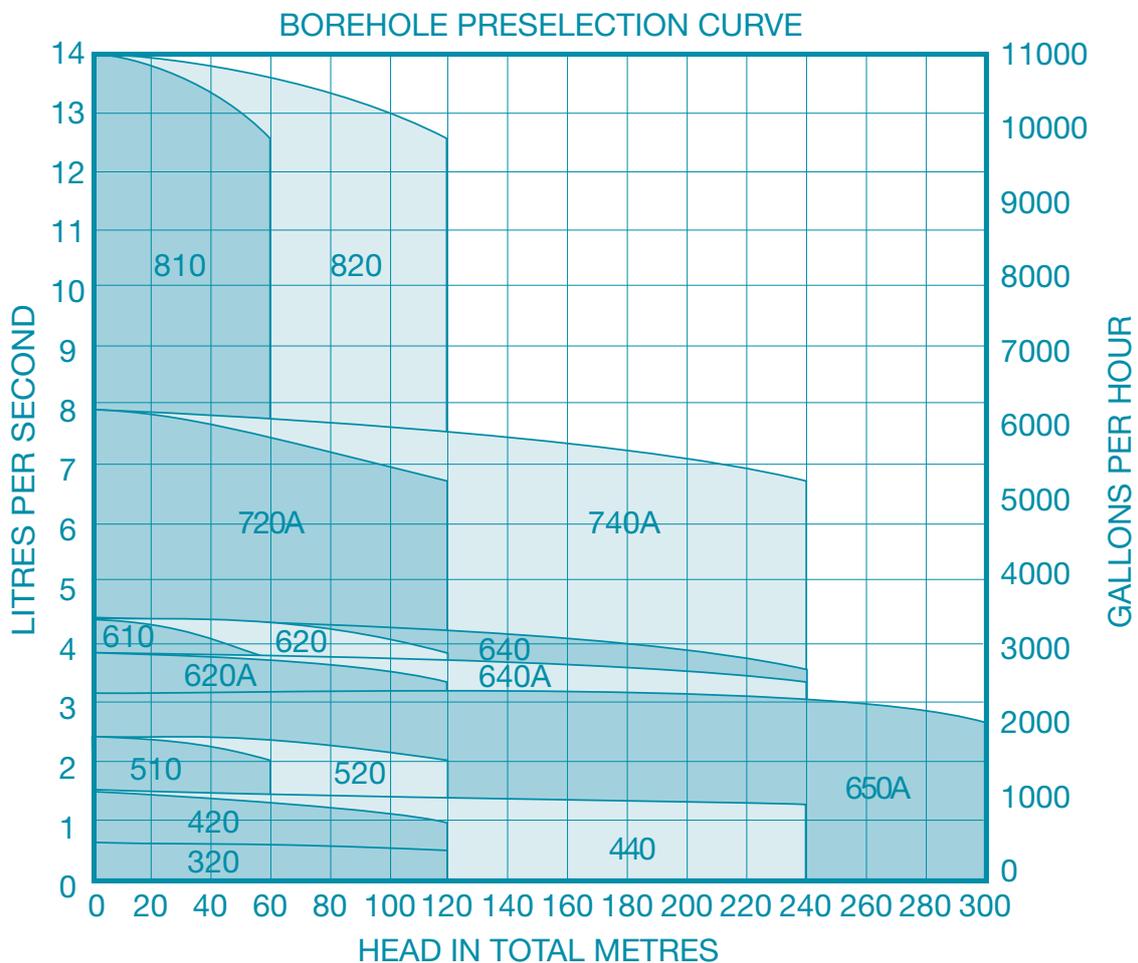
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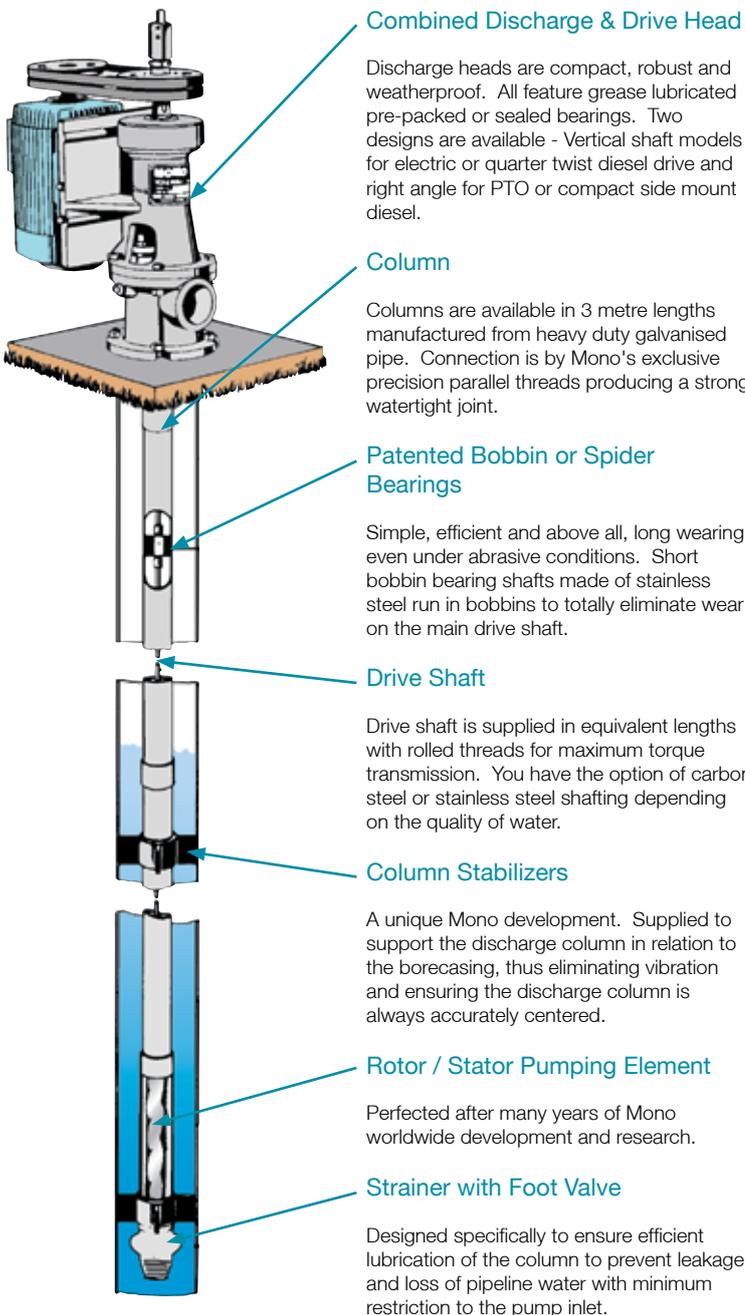
**Motor Options** Petrol, Diesel, Electric or PTO

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Typical applications include:

- Stock watering
  - Village water supply
  - Irrigation
  - Tank / Dam filling
- 





### Mono Heavy Duty Column



Mono Heavy

Mono Heavy Duty Column is thick enough for parallel threads. We carefully machine the ends for a face to face connection. When you screw these faces together, you keep water out and many more threads working for you.



Medium Wall

Ordinary column in medium weights pipe required taper threads. These may seal well when new, but vibration can cause water and corrosion to enter. If these few turns of thread give way, what happens to your pump?

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Adelaide	T.	08 8447 8333	F.	08 8447 8373
Perth	T.	08 9303 0444	F.	08 9303 0400
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