Mono G Range Pumps

Features

- Progressing cavity principle – a helical rotor turning within a resilient stator
- Uniform positive displacement flow irrespective of pump speed
- Ideal for transfer of free-flowing substances from high viscosity glues to solids in suspension and water
- Abrasion-resistant
- Self-priming with good suction capabilities
- Can handle product temperatures up to 50°C
- Simple construction requiring very little routine maintenance that can easily be carried out in the field by unskilled labour.



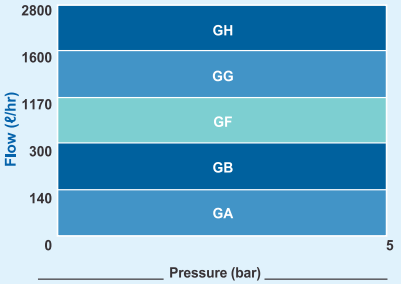


The versatile and rugged Mono G Range pumps have high suction capabilities and provide uniform flow with minimal pulsation. It is a range of pumps which is eminently suitable for general pumping and transfer duties in light industry and agriculture.

Options

- Pumps can be supplied as flange-mounted to four-pole or six-pole motors: 220, 380 or 525 volt
- Bareshaft option is suitable for V-drive or direct coupling to geared motor
- The pump body is manufactured from close-grain cast iron
- Rotors are machined from corrosion-resistant EN57
- Stators are moulded from a variety of rubbers that are resistant to damage from chemicals and abrasive wear
- Shaft sealing is provided by packed gland or mechanical seal.

Typical Performance Guide



MONO

THROUGH THICK AND THIN

WE'LL PUMP IT!



INDUSTRIAL PROGRESSING CAVITY PUMPS

A world class option for pumping viscous, abrasive and shear sensitive products

Capacities up to 70m^3/hr, pressures up to 30 bar.

Pumps On Line - www.pumps.co.za

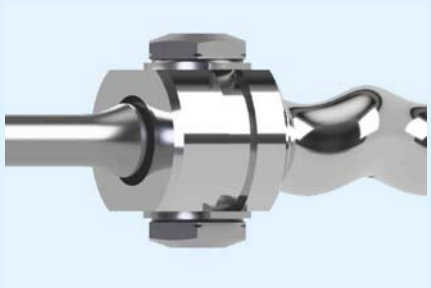
Mono Industrial Pump Range

Features

- Reversible, self-priming action with high suction capability
- Capacity proportional to speed and pressure independent of speed
- Uniform non-pulsating flow
- Ability to transfer, without damage, products containing hard or soft solids
- Ability to transfer highly viscous products
- Gentle, low-shear pumping action
- Available in cast iron or stainless steel
- Robust construction that is simple to maintain
- Stators come standard in a variety of chemical and abrasion-resistant rubber compounds
- Material of manufacture for rotors can be specified for maximum abrasion/corrosion resistance
- Rotor stator geometry optimised to perform under arduous conditions
- Improved hydraulic performance, efficiency and pressure breaks
- Higher flows at slower rotational speeds for low-shear applications.
- Excellent suction capabilities - inherently self-priming.

Standard sealed universal joint

Mono's traditional coupling rod/pin and bush design. The grease-lubricated joint is protected by a rubber seal ring and is simple and economical to maintain.



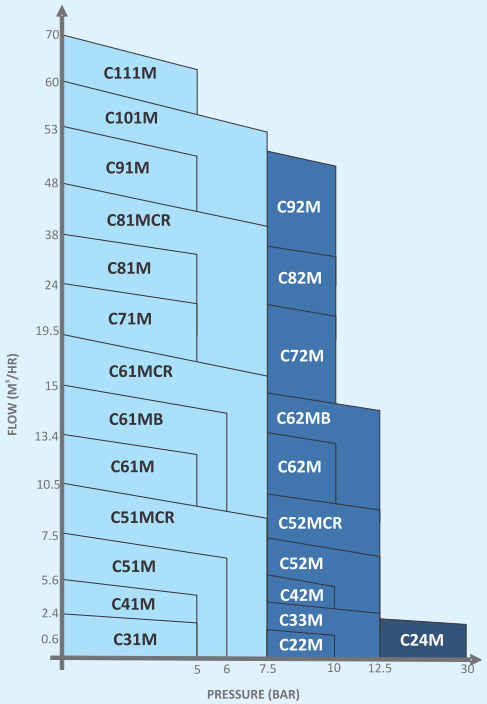
Drive

Electric motor, hydraulic motor, diesel engine, petrol engine or air motor. Speed reduction can be by V-drive, geared motor or variable speed gearbox.

Installation

Installed horizontally, vertically or in any other position, the pumps may also be skid-mounted or mounted on a portable trolley base.

Typical Performance Guide



		Cast Iron	Stainless Steel
Mining	Dewatering	✓	✓
	Coal Washing	✓	✓
	Gland Service	✓	✓
	Sludges	✓	✓
Water & Waste	Flocculants	✓	✓
	Lime Dosing	✓	✓
	Sludge Transfer	✓	
	Filter Press Feed	✓	✓
	Abattoir Waste	✓	✓
Pharmaceutical	Raw Materials	✓	✓
	Shampoos	✓	✓
	Lotions	✓	✓
	Soaps	✓	✓
	Detergents	✓	✓
Food	Fruit Pulp		✓
	Confectionery	✓	✓
	Edible Oils	✓	✓
Beverage	Kieselguhr		✓
	Spent Grains		✓
	Yeasts		✓
	Wines		✓
	Fruit Juices		✓
	Coffee		✓
Agriculture	Liquid Fertiliser	✓	✓
	Molasses	✓	✓
	Liquid Manure	✓	
	Produce Washing		✓
Petrochemical	Acids		✓
	Alkalis	✓	✓
	Polymers	✓	✓
	Adhesives	✓	✓
	Effluent Treatment	✓	✓
	Lubricants	✓	✓
General	Clay Slip	✓	✓
	Tannery Effluent	✓	✓
	Galvanising	✓	✓
	Construction	✓	✓
Pulp & Paper	Stock Transfer	✓	✓
	Starches	✓	✓
	Dyes	✓	✓
	Coatings	✓	✓
	Waste	✓	✓

Flanged Ports
Castings are machined to BS4504 as standard. Other options available on request.

Rotor
Hard chrome-plated rotors in either EN8 or heat-treated tool steel, as well as stainless steel plated or unplated.

Stator
Nitrile, natural, hypalon or viton rubber are the standard stator options.

Stator Housing
High pumping pressures are attainable from stators bonded to housings manufactured from thick-wall steel tubing.

Castings
Cast iron and 316 stainless steel are standard casting materials. High pressure units utilise cast steel.

Stuffing Box
These are manufactured as separate castings suitable for a variety of single or double mechanical seals or braided gland packing.

Bearings
High thrust taper-roller bearings result in high flow and high pressure capabilities.

Mainshaft
Manufactured from EN8 or 316 stainless steel, mainshafts are hard chrome-plated in the gland area for excellent wear resistance.

