

# Industrial and Domestic Transfer Pumps



**Mono**<sup>®</sup> **NOV**

One Company, Unlimited Solutions

# Transfer Pumps

## Accuracy, reliability, simplicity.

### The Mono Pedigree

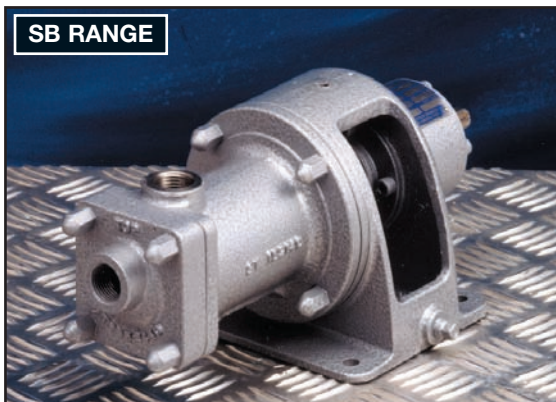
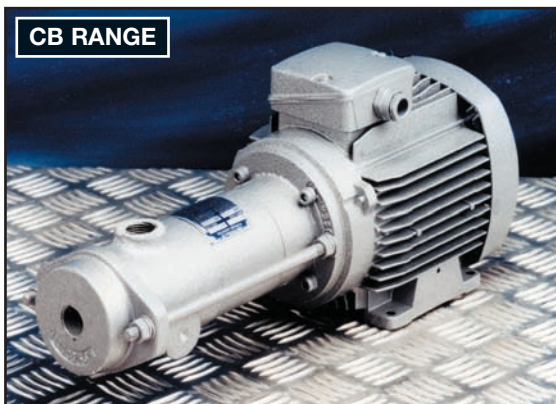
Mono Pumps Ltd., have been at the forefront of progressing cavity pump design since 1935. We have built up considerable expertise in providing solutions for wide ranging applications from simple transfer duties through to complex process specifications.

Our commitment to quality is reflected in the achievement of ISO 9001.

### The Low Flow Pump Ranges

Designed for use where low flow or transfer duties in both domestic and industrial applications are required, these units are fully self priming, and achieve suction lifts up to 8 metres on water. They are suitable for a wide range of light industrial applications across all key sectors of food, pulp and paper, chemicals, mining, mineral processing and waste water.

## CB/SB Range

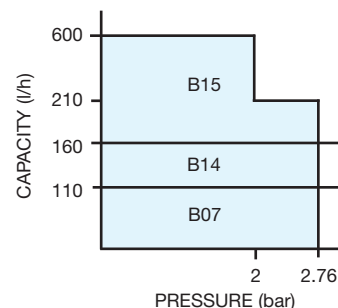


Mono's CB and SB pumps provide an economic answer to many pumping duties, with capacities up to 600 l/h and pressures up to 2.76 bar. Simple design and construction provide extended pump life and require minimal routine servicing to be carried out. The CB pump is available in Monobloc® design with the SB pump in bearing housing design.

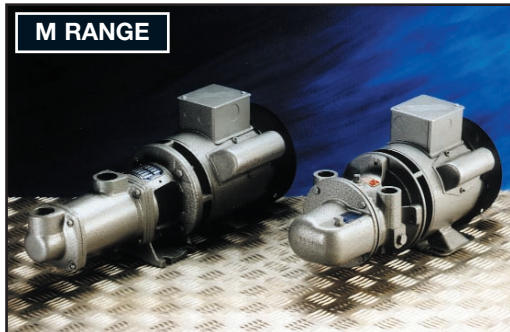
Typical applications include:-

- pumping of batter mixes, light creams and gelatine in the food industry
- batch transfer of hair oil, shampoos and light cosmetic creams in the pharmaceutical industry
- polyelectrolyte dosing of sewage sludge and the transfer of highly sensitive photographic emulsions

### Performance Data



# M Range



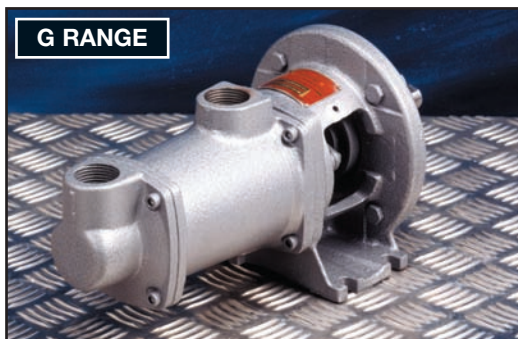
The Mono M Range pumps are close coupled with a number of synchronous speed motors and are ideal for light industrial and domestic duties.

They can handle capacities up to 3100 l/h and pressures up to 3.45 bar.

**Drive Motor Details - IP55 enclosure standard with others available.**

- MS** - 0.18kW Single/Three Phase 115/230/400V
- MM** - 0.37kW Single/Three Phase 115/230/400V
- ML** - 0.55kW Three Phase 400V
- ML** - 0.75kW Single Phase 115/230V

# G Range



Mono G Range pumps are widely used wherever general pumping and transfer duties call for a compact and reliable pump of rugged simple construction. Mono G Range pumps offer an economic solution to many pumping and transfer duties for capacities up to 3500 l/h and pressures up to 5 bar.

Available in Monobloc and bearing housing design.

Applications include:

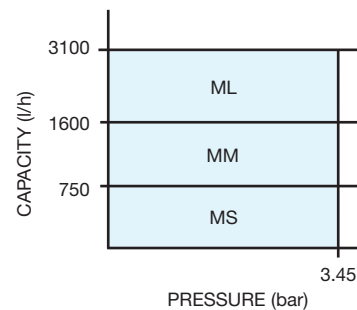
Domestic:

- cellar drainage
- septic tank/cesspit emptying
- garden sprinkler systems/irrigation i.e. large estates/local authority
- water supply/sampling from wells, streams and rivers

Industrial - General purpose pump for:

- diesel
- water based inks
- vegetable oils
- plating solution
- other non-aggressive chemicals

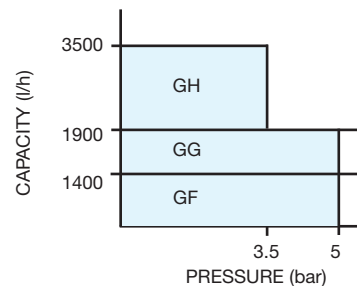
## Performance Data



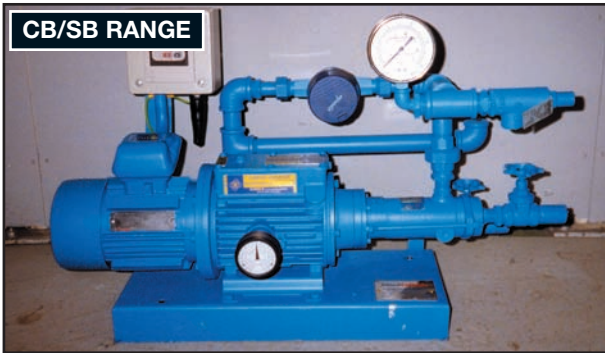
The design of the pumping element and the selection of suitable pump speeds allows this versatile pump to carry out a wide range of light industrial and agricultural duties.

- oily/water separators
- pumping of light fuel oil
- transfer of hot glues
- small solids in suspension
- polyelectrolyte dosing

## Performance Data



# Applications

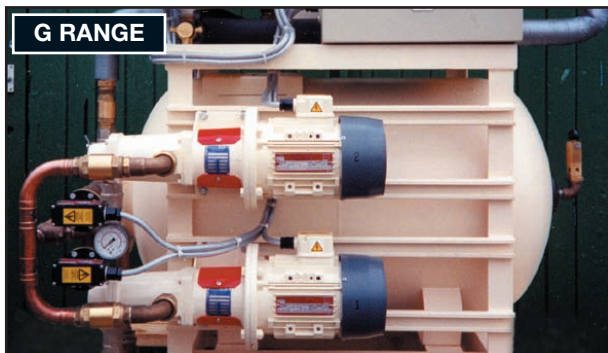


CB pump unit used for dosing various grades of polyelectrolyte in the paper industry at flows up to 500 l/h and pressures up to 2.5 bar. The customer requested specific drive characteristics to achieve a robust and reliable pump unit. To date, this range of pumps has proved to be very successful for this customer.

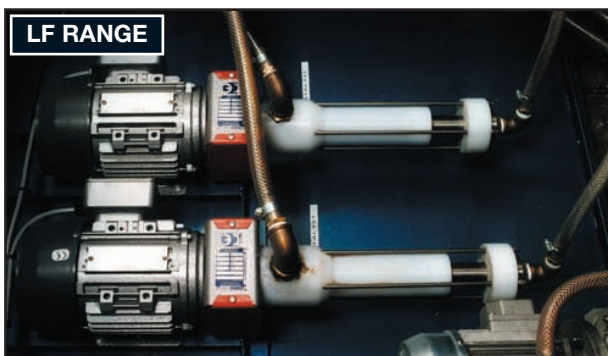


Installed over 40 years ago at a Welsh Farm, this MS pump from the M range is transferring water from a 15 feet deep well, along 20 yards of 1" diameter pipework to a 100 gallon tank. Activated by a float switch in the store tank, the pump typically stops and starts 3 times an hour.

The water is then delivered for use throughout the 20 acre dairy farm as required.



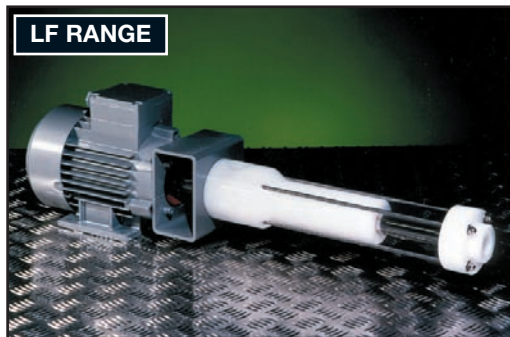
2 off CGG233R1/Y units on a 'domestic water module'. Duty approximately 2m<sup>3</sup>/h at 3 bar. This module distributes fresh water for domestic services such as toilets, showers, washbasins etc., on a tug currently based on the Solent. Built into the module is a calorifier for hot water service and U.V. treatment for potable (drinking) water.



Various LF Range pumps playing an important role in furane binder systems, delivering a sulphuric or sulphonic acid (capacity up to 600 l/h and pressures up to 12 bar) to act as a catalyst on furane resin.

Featuring Mono Pumps' Flexishaft® with reduced moving parts in the drive train, the elimination of wear makes lubrication unnecessary, reducing the risk of product contamination.

# LF Range



Designed for use where accurate, low flow pumps are required for either intermittent or continuous dosing, the compact Monobloc LF pumps have high tolerance to aggressive chemicals and the renowned reliability of Mono.

The LF Pumps have a repeatability of  $\pm 2\%$  and operating temperatures from 0 to 100°C for the standard configuration. Four two stage models are available for capacities up to 600l/h and pressures up to 12 bar.

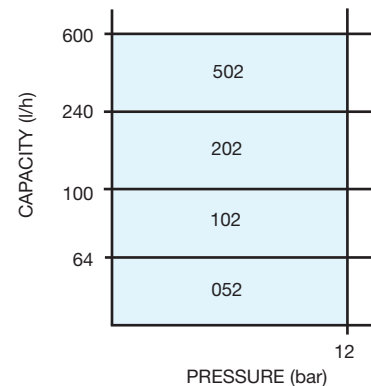
Incorporating the Flexishaft® drive concept, which is supported by a 10 year warranty, the LF range does not incur the cost of maintenance associated with other forms of drive joints.



Use of different stator materials enables the LF Range to be used for a wide range of products, including:

- acids
- food ingredients
- alkalis
- brewing, winemaking
- photographic
- chemical processing
- cosmetics
- process mining
- cyanide
- dyes, inks
- waste/water treatment
- flocculants

## Performance Data



## Service and Technology

At Mono Pumps Ltd full pre-sales support and post order back up is all part of the service.

We use the latest technology, such as computer-based flexible manufacturing systems, computerised bar stores and information systems. Attention to detail, combined with a wealth of technical advice and CAPS (Computer Aided Pump Selection), ensures clients will receive a product that is quality assured.

## Genuine Mono Parts

Strict quality procedures ensure dimensionally accurate interchangeable parts. Quick delivery and easy availability are provided by Mono Pumps Ltd or our International Distributor Network.

By using only genuine Mono spares you automatically reduce the risk of pump breakdown and preserve the full Mono guarantee. Mono spares result in lower fittings cost, greater efficiency, reduced running costs and longer pump life - as well as guaranteed quality and value for money.



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