



**SPECIAL PRODUCTS & ACCESSORIES**



Measuring Cylinder

**Measuring Cylinders**

Used in conjunction with a Kecol Piston Pump/Pressure Priming System these Measuring Cylinders will dispense a predetermined volume of liquid or viscous product. They are constructed of either carbon steel or 316 stainless steel and are available with either manual or pneumatic actuation and fixed or adjustable outputs from about 200ml up to 3 Litres. Accuracy is normally better than  $\pm 1\%$ .



Water Jacketed Pump

**Water Jacketed Pumps**

For situations where the product temperature needs to be maintained, Kecol Stubby Length Pumps can be Water Jacketed, allowing either hot or cold water to be circulated around the wetted end of the pump.



Variable Stroke Pump

**Variable Stroke Pumps/Stroke Counter**

The Variable Stroke Pump provides a means of varying the length of stroke and hence the output of a Kecol Pump. When used in conjunction with a Stroke Counter, the Variable Stroke Pump will dispense a predetermined volume of viscous product and will stop when the preset number of strokes has been reached.



Special System

**Non-Standard Pumps & Systems**

Whether your requirement is for a special length piston pump with a non-standard outlet fitting or a Powerlift, Powerprime or Maxiprime system for non-standard vessels, Kecol will design and manufacture a unit to suit your requirements.

Our engineers will be pleased to discuss the many different options that are available such as interlocking guards, jacking or standard castors, drum loading systems, quick strip pumps, dispensing and filling systems, etc.

**Square Bins**

For Square Bins and Mobile Buggies, Kecol offer Powerprime, Maxiprime and Megaprime Systems with square or rectangular Follower Plates to suit the shape of the Bin or Buggie.

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honey

petroleum jelly

mascara

sauces

lanolin

lip gloss

essences

veterinary creams

eye ointment

meat paste

paraffin wax

face scrub

jam

teething gel

tomato purée

medical adhesives

malt

fruit paste

toothpaste

wax



**Kecol**

TRANSFER SYSTEMS FOR **PASTES & CREAMS**

**Kecol**



**PISTON PUMPS & PRIMING SYSTEMS**

**Kecol** Air Powered Piston Pumps and Priming Systems provide a very efficient and cost-effective method of pumping pastes, creams and other high viscosity and sticky products from Drums and Process Containers. They can also be adapted for square or rectangular Tote Bins, I.B.C.'s and, provided that the product will just about flow, can be used to transfer viscous products from Storage Tanks.

**Kecol Piston Pumps**

for viscous products that flow

Kecol manufactures a range of Air Powered Piston Pumps to suit standard as well as non standard Drums, Containers or I.B.C.'s.

Maximum delivery output and pressure 125 L/Min. and 175 Bar.

**Features & Benefits**

- Variable Output & pressure
- Can be stalled without damage
- Polished Sanitary models with 'Quick Strip' system
- Standard Painted Finish Industrial Range
- Quick Release System on Air Motor/Pump Assembly

**Typical Applications**

- Food** Pumping honey, sauces, fruit concentrates, jams, butter mix, batter, caramel, cheese cake mix etc.
- Pharmaceutical/Cosmetics** Pumping medical adhesives, sun tan lotion, shaving cream, hair creams, shampoo, glycerine etc.
- Chemical & General Industrial** Transfer of adhesives, chemicals, flux, inks, latex, plastisols, resins and many other products.

**Powerlift**

This air powered Lifting Device provides a safe and simple method of raising and lowering Kecol drum pumps into and out of drums, process containers, I.B.C.'s, mixing vessels, etc.

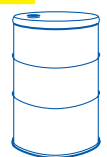
The Powerlift, which is powered both up and down, is available in either painted steel or polished stainless steel construction and control is via a simple lever operated valve mounted on the main column of the unit.

**Articulated Powerlift**

This innovative development from Kecol enables up to 4 closed or open top drums on a pallet to be emptied, in turn, without the need to remove the drums from the pallet. A Kecol drum pump, attached to the articulated arm of the Powerlift is raised and positioned over the bung opening of one of the drums and then lowered ready for pumping out the contents of the drum. The big advantages of the Articulated Powerlift are that it eliminates the risk of operator injury through handling heavy drums and also saves a considerable amount of time on drum handling.

**Types of Drums & Vessels**

Steel Drums (Standard 5 to 45 gallon)



Fibre Drums with Liner



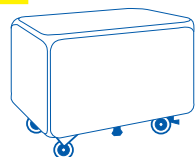
Stainless Steel Containers



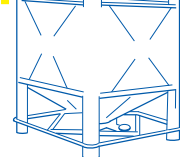
Tapered Drums



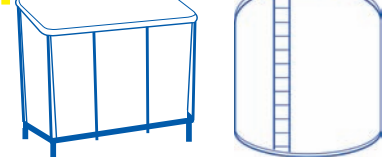
Square or Rectangular Bins



I.B.C.'s



Bulk Storage Tanks



Wall-mounted pump 10075 STS. Industrial range, painted finish.



Horizontal pump 160125 STS. Industrial range, painted finish.



Powerlift series 400 with 10050 STD drum pump. Industrial range, painted finish.



Powerprime sanitary model. Polished stainless steel.



Powerprime with drum



Articulated Powerprime sanitary model. Polished stainless steel.



Maxiprime sanitary model. Polished stainless steel.

Round follower plate.



Square follower plate.



Megaprime system sanitary model. Polished stainless steel.

**Kecol Powerprime System for semi-flowable & sticky products**

The transfer of viscous and sticky products from drums or process containers can be a problem as they do not flow easily into the suction inlet of the pump and also tend to stick to the sides of the drum.

Kecol's 'Powerprime' single column pressure Priming system, used in conjunction with a Kecol Piston pump, overcomes these problems by providing a constant pressure on the surface of the product in the drum, which 'force feeds' the pump. As the level of the product drops, a follower plate maintains the pressure on the surface of the product and at the same time wipes the sides of the drum.

**Features & Benefits**

- Eliminates Product Waste
- Prevents Product Contamination
- Simple and Safe Operation
- Polished Stainless Steel or Painted Steel Construction.

**Typical Applications**

- Food** Orange concentrates, tomato purée, vegetable fat, malt, meat paste, glucose etc.
- Pharmaceutical/Cosmetics** Ointments, creams, mascara, face scrub etc.
- Chemical & General Industrial** Adhesives, colouring, resins, plasticizer, printing inks, sealants, paints, tile adhesives etc.

**Articulated Powerprime**

This innovative development from Kecol enables up to four open top drums to be emptied, one at a time, whilst loaded on a pallet. A Kecol drum pump, with Follower Plate attached, is fixed to the arm of the Articulated Powerprime system. The pump and follower plate are raised and positioned centrally over one of the open top drums on the pallet, then lowered until making contact with the product in the drum. Once the pump is started, the Articulated Powerprime functions exactly the same as the standard Powerprime system above.

**Kecol Maxiprime & Megaprime Systems for pastes & high viscosity products that do not flow**

The main difficulty with pastes and high viscosity products that do not flow is that the pump cannot be primed and simply cavitates, pumping air instead of product! The solution is to use a Kecol Maxiprime or Megaprime Twin Cylinder Pressure Priming System in conjunction with a Kecol Stubby length Piston Pump. These Pressure Priming Systems 'force feed' the Kecol Piston Pump, maintaining a positive prime on the pump and thus ensuring that it does not cavitate. As the product level falls, the sides of the drum are wiped clean by the Follower Plate on the Priming System.

**Features & Benefits**

- Handles pastes up to 10,000 poise viscosity.
- Eliminates product waste.
- Prevents product contamination.
- Simple and Safe operation.
- Polished stainless steel or painted steel construction.
- Optional 'Quick Strip' follower plate assembly.

**Typical Applications**

- Food** Peanut butter, margarine, cooking fat, fruit paste, meat paste, yeast extract.
- Pharmaceutical/Cosmetics** Ointments, lanolin, aluminium and magnesium hydroxide pastes, petroleum, jelly etc.
- Chemical & General Industrial** Adhesives, paint, mastics, grease, inks, resins, tile adhesives, sealants, waxes, wood filler etc.