

TRANSFER SYSTEMS FOR PASTES & CREAMS

A small sample of products
we already pump...

- ✓ Honey
- ✓ Petroleum Jelly
- ✓ Mascara
- ✓ Sauces
- ✓ Lanolin
- ✓ Lip Gloss
- ✓ Essences
- ✓ Veterinary Creams
- ✓ Eye Ointment
- ✓ Meat Paste
- ✓ Paraffin Wax
- ✓ Face Scrub
- ✓ Jam
- ✓ Teething Gel
- ✓ Tomato Puree
- ✓ Medical Adhesives
- ✓ Malt
- ✓ Fruit Paste
- ✓ Toothpaste
- ✓ Wax



KECOL
PUMPING SYSTEMS

THE **HOME** OF VISCOUS PUMPING SOLUTIONS



Types of Drums & Vessels



Steel Drums

Fibre Drums with Liner

Stainless Steel Containers

Tapered Drums



Square or Rectangular Containers

IBC's

Bulk Storage Tanks

Kecol Air Powered Piston Pumps and Priming Systems provide a very efficient and cost-effective method of pumping pastes, creams and other high viscosity products from drums and process containers. They can also be adapted for square or rectangular Tote Bins, IBC's and, provided 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 IBC's.

Maximum delivery output and pressure 125l/min and 175 bar.

Features & Benefits

- Variable Output & Pressure ✓
- Can be stalled without damage ✓
- Standard Painted Finish Industrial Range ✓
- Polished Sanitary Models with Quick Strip System ✓
- Quick Release System on Air Motor & Pump Assembly ✓

Typical Applications

Food - Pumping honey, sauces, fruit concentrate, jams, butter mix, batter, caramel, cheesecake mix, etc.

Pharmaceutical & Cosmetic - Pumping medical adhesives, sun tan lotions, 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, IBC's and mixing vessels, etc. The Powerlift, which is powered both up and down, is available in either painted steel or polished stainless steel construction. Control is via a simple lever operated valve mounted on the main column of the device.

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 advantages of the Articulated Powerlift are that it eliminates the risk of operator injury through handling heavy drums and saves a considerable amount of time on drum handling.

ATEX
Approved



Kecol Powerprime Systems

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

- Simple & Safe Operation ✓
- Eliminates Product Waste ✓
- Prevents Product Contamination ✓
- Polished Stainless Steel or Painted Steel Construction ✓

Typical Applications

Food - Orange concentrates, tomato puree, vegetable fat, malt, meat paste, glucose, etc.

Pharmaceutical & Cosmetic - 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 4 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 drums and lowered until making contact with the product. 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 cavities, 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 pump, maintaining a positive prime ensuring 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

- Simple & Safe Operation ✓
- Eliminates Product Waste ✓
- Prevents Product Contamination ✓
- Handles Pastes up to 10,000 Poise Viscosity ✓
- Optional Quick Strip Follower Plate Assembly ✓
- Polished Stainless Steel or Painted Steel Construction ✓

Typical Applications

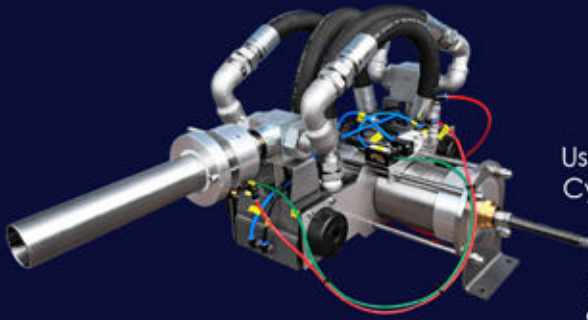
Food - Peanut butter, margarine, cooking fat, fruit paste, meat paste, yeast extract, etc.

Pharmaceutical & Cosmetic - 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.



SPECIAL PRODUCTS & ACCESSORIES



Measuring Cylinder

Used in conjunction with a Kecol Piston Pump, the Kecol Measuring Cylinder delivers a pre-determined volume of product every time it is operated. Manufactured from stainless steel and available with adjustable volumes of up to 5 litres capacity. Actuated by a pneumatically operated foot switch for filling tubs and small open containers or with a push collar operated switch fitted on a mandrel for filling grease cartridges and similar containers.



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 Pumps & Counters

The option of adjustable stroke lengths is available on all Kecol Air Motors, enabling the pump product output per pump cycle to be adjusted. When used with the Kecol Batch Counter, the system allows a pre-determined number of pump cycles to be completed and the pump will then automatically stop. The variable stroke air motor fitted on the Kecol Piston Pump with the stroke counter system provides an ideal low-cost pneumatically operated batching 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 can design and manufacture a unit to suit your production requirements.



Square & Rectangular Bins

For use with Tote and Euro Bins, Kecol offer their Twin Ram Maxiprime and Megaprime systems with square or rectangular follower plates to suit the shape of the Tote or Euro Bin and an air operated positive displacement piston pump for transferring the high viscous products.

Our engineers will be pleased to discuss the many different options that are available, for example...

- Interlocking Guards ✓
- Jacking & Standard Castors ✓
- Dispensing & Filling Systems ✓
- Drum Emptying Systems ✓
- Quick Strip Pumps ✓

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