

Gear Pumps

Bronze

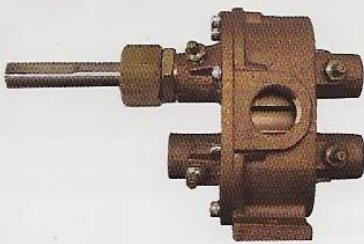
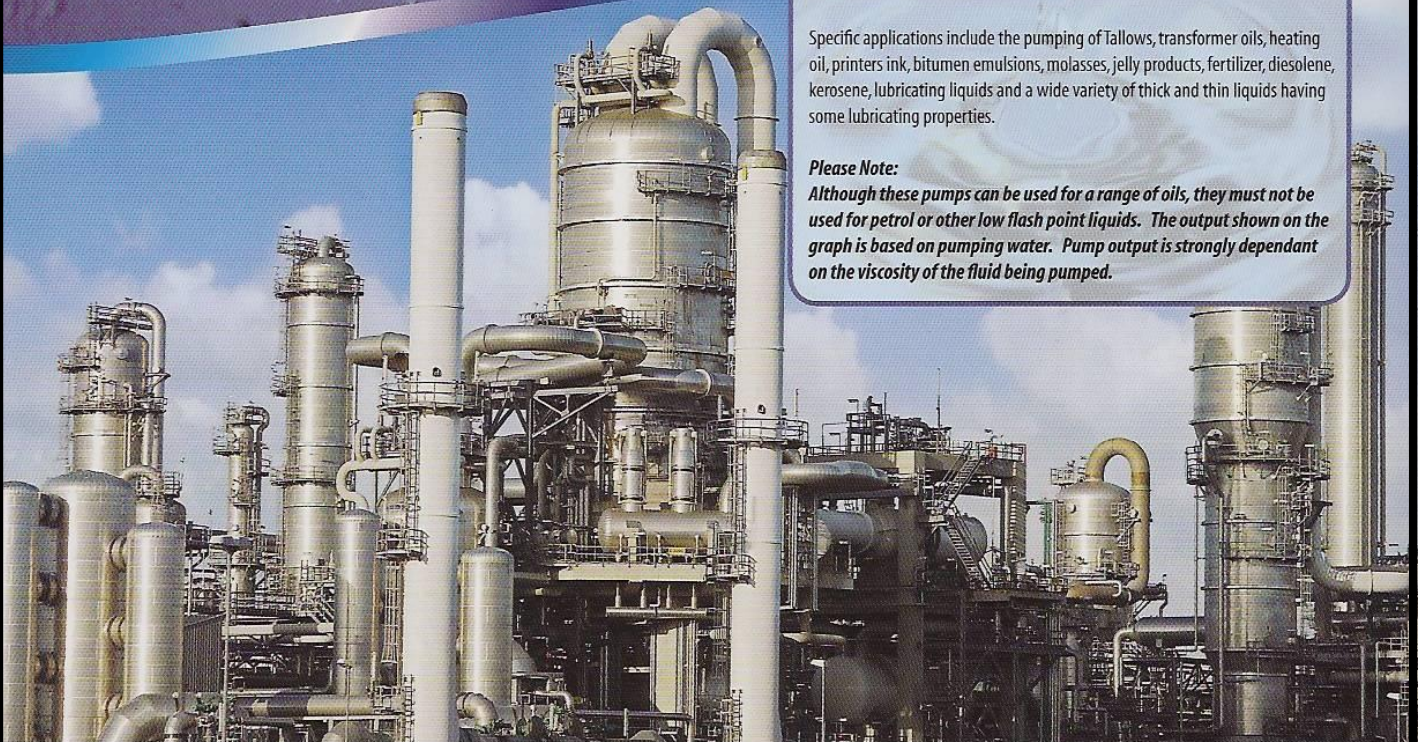
GEAR PUMPS

These positive displacement low inertia pumps are excellent at pumping fluids at medium to high pressures. Gear pumps can be used to pump water and other non abrasive fluids. Very useful for pressure boosting, liquid transfer, factory process pumping and lubrication duties.

Specific applications include the pumping of fallows, transformer oils, heating oil, printers ink, bitumen emulsions, molasses, jelly products, fertilizer, dieselene, kerosene, lubricating liquids and a wide variety of thick and thin liquids having some lubricating properties.

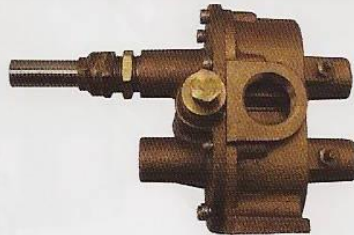
Please Note:

Although these pumps can be used for a range of oils, they must not be used for petrol or other low flash point liquids. The output shown on the graph is based on pumping water. Pump output is strongly dependant on the viscosity of the fluid being pumped.



B SERIES - STANDARD UNIT

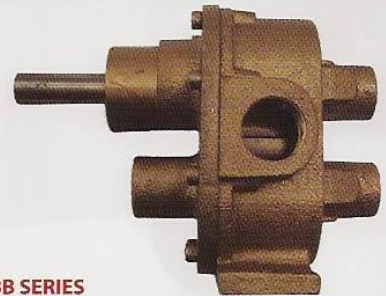
- Castings and gears made from L.G.2 bronze.
- Plain bronze bearings.
- Graphite gland packing.
- 316 Stainless steel shafts.
- Stainless steel cap screws.
- Available in 3 sizes 15mm, 20mm and 25mm.



B/RV SERIES

as per standard unit plus:

- Full in-built bypass valve - interchangeable for either direction
- Bypass valve has stainless steel seat and tension spring.
- Bypass valve has a Viton O ring.
- Available in 3 sizes 15mm, 20mm and 25mm.



BB SERIES

as per standard unit plus:

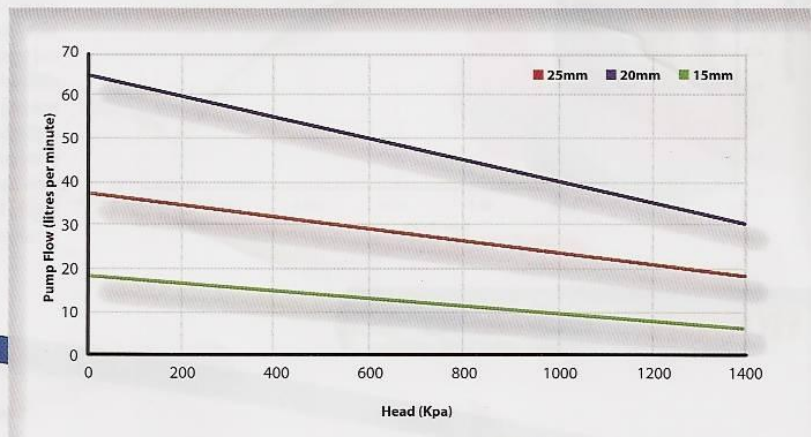
- Complete with a Viton carbon - ceramic mechanical seal.
- Ball race on the drive end of drive shaft and a replaceable glacier bearing on the opposite end.
- Replaceable glacier bearings on idler shaft.
- Available in 3 sizes 15mm, 20mm and 25mm.

For further details regarding these pumps refer to Tech Data Sheet POS-2.

APPLICATION

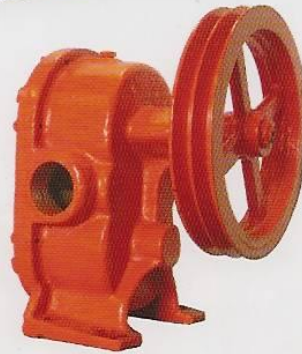
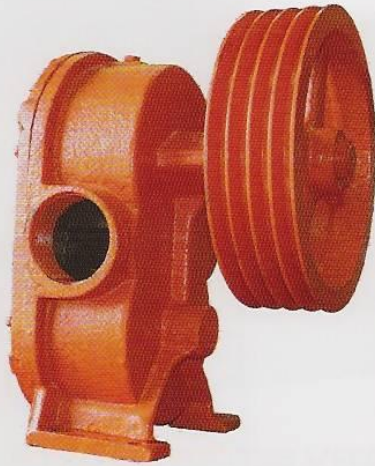
✓ Type A or B Crude Lubricating Oils

- Kerosene
- Acids
- Jelly
- Coal Tar
- Machine Tool Cutting Oils







Gear Pumps

Cast Iron



APPLICATION

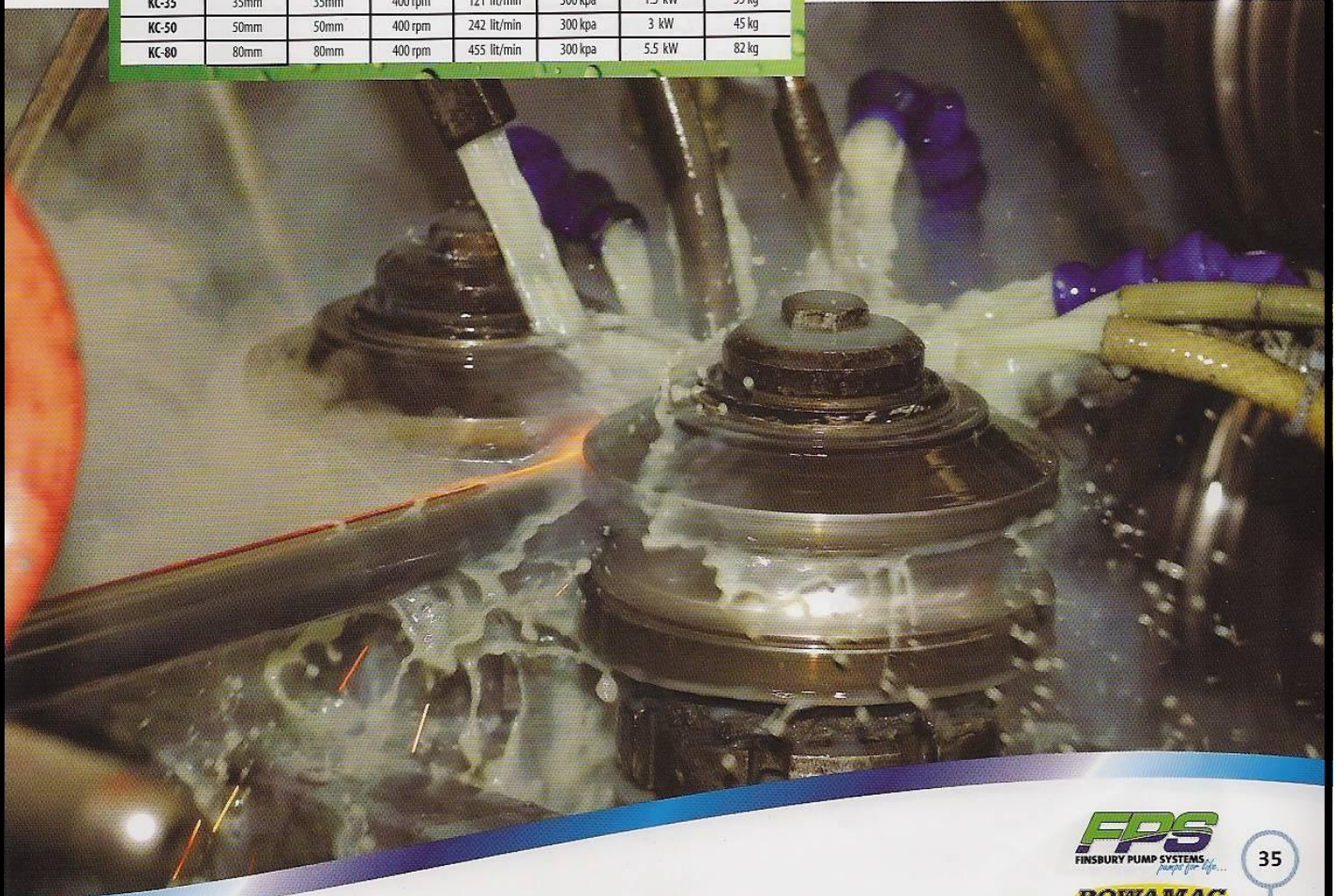
-  Oils & Light Kerosene
-  Molasses
-  Liquid Feed Supplements
-  Bitumen Emulsion

KC SERIES

The KC series gear pumps come in 6 sizes, i.e. 13,20,25,35,50 and 80mm's. These simple rotary gear pumps have one stuffing box with a gland packing to serve as a grease lubricated bearing, the other three shaft ends are running in blind plain bearings. The lubrication of the three bearings depend entirely on the liquid being pumped. For further details regarding these pumps refer to Tech Data Sheet POS-3.

SPECIFICATIONS

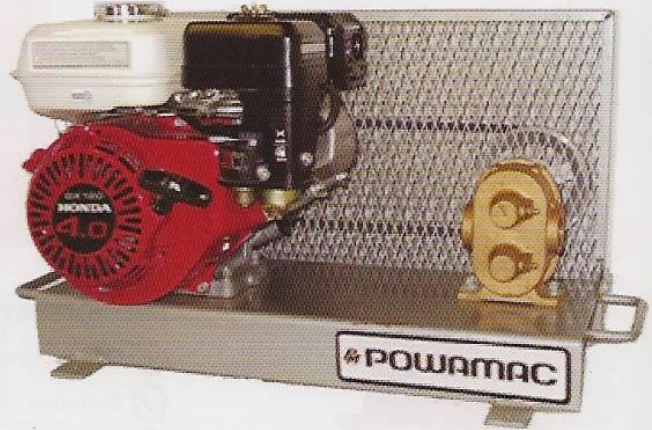
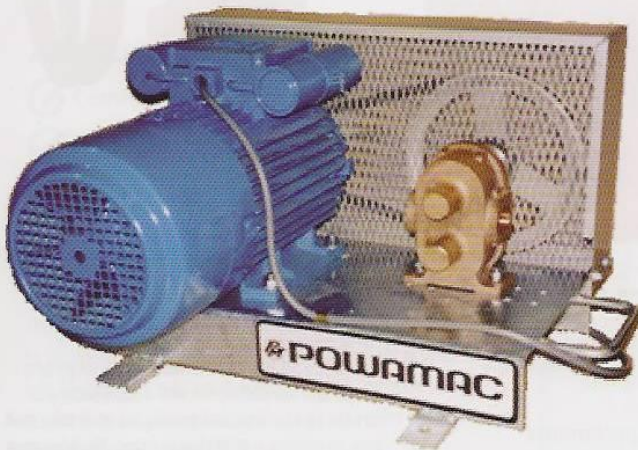
MODEL	INLET	OUTLET	SPEED	FLOW RATE	PRESSURE	POWER	WEIGHT
KC-13	13mm	13mm	400 rpm	21 lit/min	300 kpa	0.25 kW	4 kg
KC-20	20mm	20mm	400 rpm	37 lit/min	300 kpa	0.37 kW	6 kg
KC-25	25mm	25mm	400 rpm	55 lit/min	300 kpa	0.75 kW	11 kg
KC-35	35mm	35mm	400 rpm	121 lit/min	300 kpa	1.5 kW	35 kg
KC-50	50mm	50mm	400 rpm	242 lit/min	300 kpa	3 kW	45 kg
KC-80	80mm	80mm	400 rpm	455 lit/min	300 kpa	5.5 kW	82 kg



Gear Pump Outfits Bronze

GEAR PUMPS OUTFITS

Gear pump outfits come in a variety of models to suit different applications. Outfits can be fitted with either electric motors or a range of Honda or Briggs & Stratton petrol engines. The output shown on the graph is based on pumping water. Please note, although these pumps can be used for a range of oils, they must not be used for petrol or other low flash point liquids. Pump output is strongly dependent on the viscosity of the fluid being pumped.



APPLICATION

✓ Type A or B Crude Lubricating Oils

- Kerosene
- Acids
- Jelly
- Coal Tar
- Machine Tool Cutting Oils

B SERIES OUTFITS

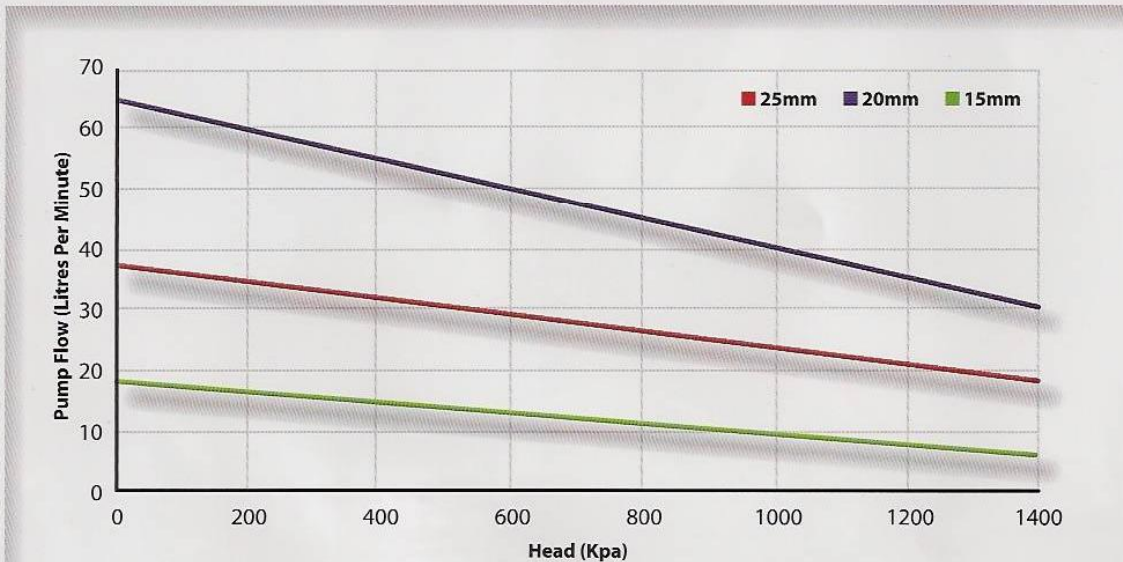
The B Series outfits are with our standard bronze gear pumps and are available in 3 sizes, 15, 20 and 25mm. Complete with gland packing, stainless steel shaft and bronze bearings. These outfits can be fitted with either electric motors or a range of Honda or Briggs & Stratton petrol engines. For further details regarding these pumps refer to Tech Data Sheet POS-11.

B/RV SERIES OUTFITS

The B/RV Outfits are as per our standard bronze gear pumps, but also come with an in-built bypass valve. The B/RV pumps are available 15, 20 and 25mm. For further details regarding these pumps refer to Tech Data Sheet POS-11.

BB SERIES OUTFITS

These outfits are as per our standard bronze gear pumps but are fitted with a Viton Carbon/Ceramic Mechanical Seal. These pumps are fitted with a ball race on the drive end and replaceable glacier bearings on the three remaining shaft ends.



Flows will depend on the motor or engine speed - the curve maximum is shown at a speed of 700rpm, our bronze gear pump outfits are set and designed to run at approximately 600rpm. For further details regarding specific flow and pressure refer to Tech Data Sheet POS-2.

Gear Pump Outfits Cast Iron

APPLICATION

- ✓ Oils & Light Kerosene
- ✓ Molasses



KC SERIES OUTFITS

Our standard cast iron gear pump outfits can be used for a variety of high to medium viscosity fluids. **THEY MUST NOT** be used for petrol or other low flash point liquids. These outfits are available with electrical and engine power sources. Electrical versions come with single and three phase motors from 0.55kw to 7.5kw. Honda or Briggs & Stratton engines from 3.5hp to 13hp can be fitted to the 6 different sizes of cast iron gear pumps. For further details regarding these pumps refer to Tech Data Sheet POS-11.

SPECIFICATIONS

MODEL	INLET	OUTLET	SPEED	FLOW RATE	PRESSURE	POWER	WEIGHT
KC-13	13mm	13mm	400 rpm	21 lit/min	300 kpa	0.25 kW	4 kg
KC-20	20mm	20mm	400 rpm	37 lit/min	300 kpa	0.37 kW	6 kg
KC-25	25mm	25mm	400 rpm	55 lit/min	300 kpa	0.75 kW	11 kg
KC-35	35mm	35mm	400 rpm	121 lit/min	300 kpa	1.5 kW	35 kg
KC-50	50mm	50mm	400 rpm	242 lit/min	300 kpa	3 kW	45 kg
KC-80	80mm	80mm	400 rpm	455 lit/min	300 kpa	5.5 kW	82 kg

Pump specifications are based on pumping light oils. Molasses flows will vary.

MOLASSES SERIES, DRUM PUMP SERIES

Cast Iron Gear Pump outfits are specially designed for Molasses and Cattle supplementary feed pumping. For this application the pump outfits are fitted with larger electric motors or engines and come with a double V belt for better traction. Our standard for the Molasses pump is the 25mm cast iron gear pump, other sizes can be provided.

For the 25mm Molasses gear pump it is recommended to use large diameter pipe (minimum 3") and it is important to arrange the pipework to enable flushing the pump and pipework with hot water to remove molasses residue.

A special Molasses drum dispensing unit can also be provided to dispense Molasses directly from a 205 liter drum. This unit comes complete with inlet pipework and is placed directly on top of the drum.

For further details regarding these pumps refer to Tech Data Sheet POS-9 and POS-10.

