



Midland Pump Manufacturing Co. Ltd.
LFP Mini Pump Series.



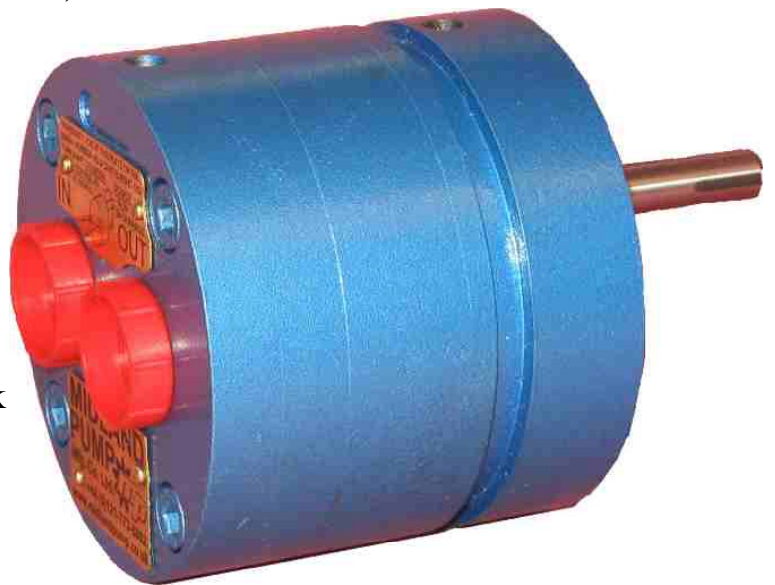
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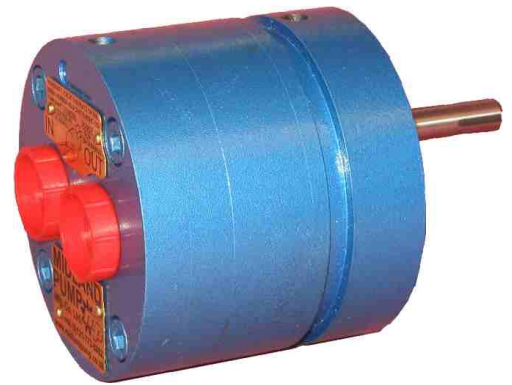
www.midlandpump.co.uk



Cert No 44160

Introducing the Midland Pump Mini LFP.

The Midland LFP inherits durability and a wide variety of build options from the long established Midland Pump range. The "Standard" construction is cast iron housings with carbon steel gears and shafts running in PTFE bush bearings with Nitrile lip seals. Other options are tabulated below. Integral pressure relief valves are also available, with pressure setting and configuration for either return to tank or internal re-circulation easily accomplished on site. By holding stocks of component parts we are able to offer a very quick turnaround (typically 2/3 working days) on most build specifications.

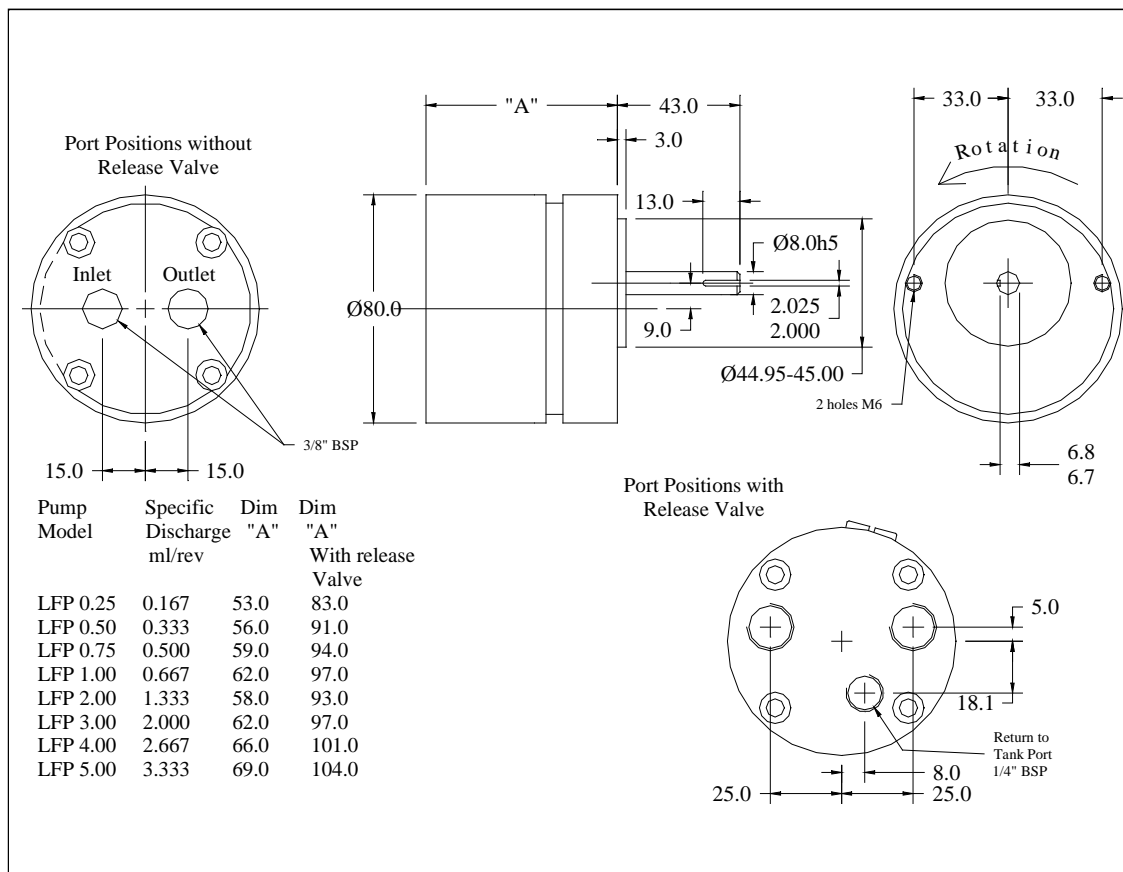


This pump can be supplied as a bare shaft unit or coupled to a wide range of drives including AC or DC electric motors, air motors or hydraulic motors. A foot mounting kit is also available.

Housings	Gear & Shafts	Seals	Bearings
Cast Iron.	Carbon Steel.	Lip Seals, Nitrile , Viton, EPDM.	PTFE Bush.
Stainless Steel.	Stainless Steel.	Mechanical Seals.	Needle Roller.
Bronze.		Packed Gland.	Bronze.
Plastic.			Plain Cast Iron.

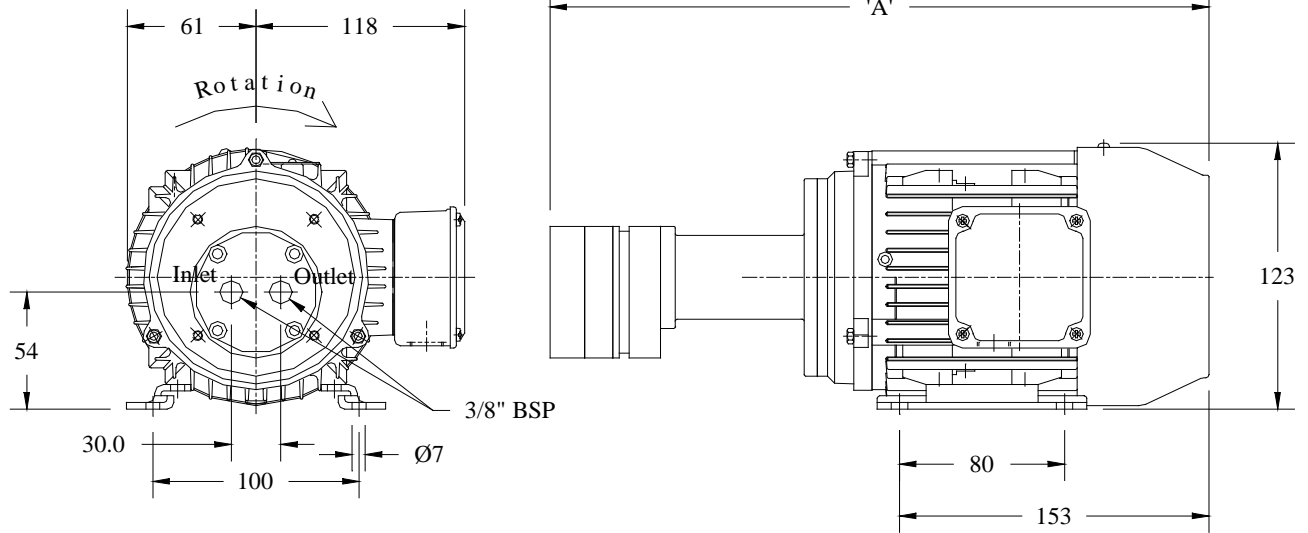
Standard configuration in bold, items held in stock.

Other items are build options, consult sales department for selection and availability.



LFP Close Coupled units

A range of brackets for coupling the LFP pumps to IEC metric motors are held in stock. The standard arrangement is to use a “Foot & ‘C’ Face” motor, using the ‘C’ face to mount the pump bell housing. The motor feet are then used to fasten the unit down. Brackets are available for D56, D63, D71 & D80 motors.



Pump Model	Flow rate at 1500 rpm l/min	Dim "A"
LFP 0.25	0.25	328.0
LFP 0.50	0.50	331.0
LFP 0.75	0.75	334.0
LFP 1.00	1.00	337.0
LFP 2.00	2.00	335.0
LFP 3.00	3.00	337.0
LFP 4.00	4.00	341.0

Pump shown without release valve.
With release valve add 35mm to Dim "A"

Pump shown above is coupled to a D71 frame electric motor. Please note : terminal box size and position may change. For drawings of other Motor frame sizes please contact the works.

LFP Foot Mounted and Base plated units.

When handling high temperature liquids (over 80°C) heat conduction to the motor should be minimised. To achieve this we advocate the use of bed plated units. With this arrangement liquids at up to 200°C can be pumped. Contact our sales department for further information. A foot mounting bracket is also available for applications where other drive methods are required.

Midland Pump Performance Capabilities.

The following properties are not only applicable to the LFP, but to the entire Midland Pump model range as well:-

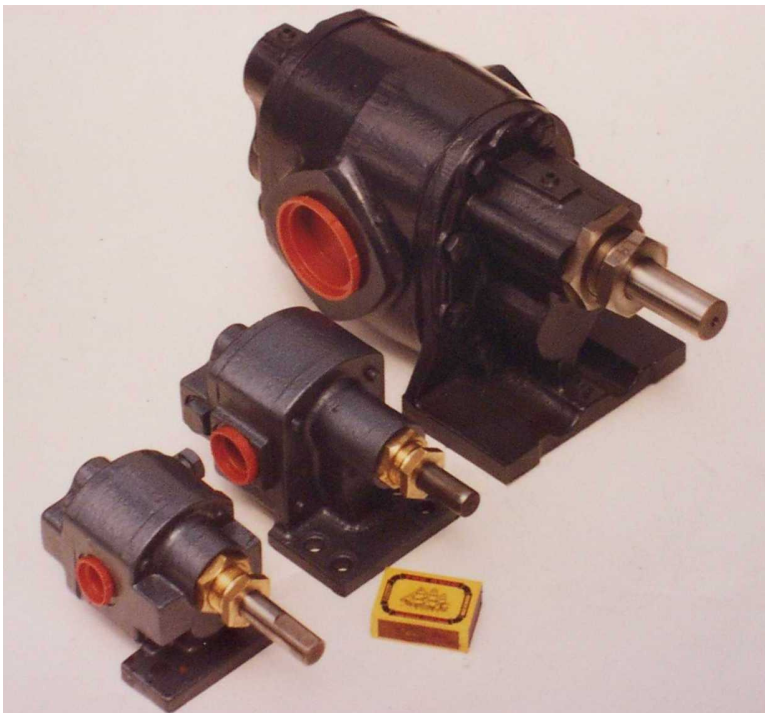
- Fully self priming to 6m suction lift.
- Discharge pressure to 30bar with compatible liquids. (Consult technical sales department for liquid compatibility advice or if a higher pressure is needed).
- Vast range of build options (including materials, rotation direction, pressure relief valves, motorised units, packaged equipment etc.).
- “Armourface” wear resistant casing technology.
- Rugged construction.
- Short lead times (typical delivery 2 to 3 days for standard models).
- Designed and manufactured by Midland Pump.

Applications for Midland Pumps include, but are by no means limited to:-

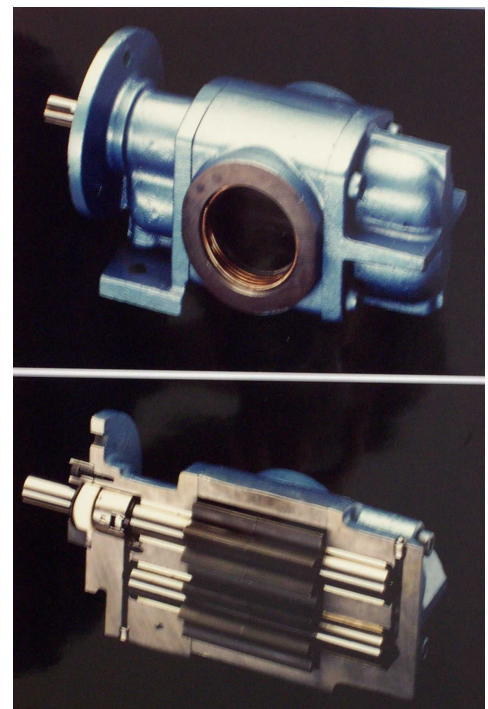
- Liquid transfer (portable and fixed).
- Filtration.
- Sampling.
- Lubrication duties.
- Low pressure hydraulics.

Other Models in the Midland Pump Range

In addition the LFP mini-pumps we manufacture alternatives with capacities up to 285 cc/rev (285 l/min at 1000 rpm) in three model “groups”. These are available with a wide array of options and mountings. Please contact works for further information.



Pictured above (left to right) are Midland Pump model types Group 1, Group 2 and Group 3 respectively. Pumps shown are foot mounting configuration, along with packed gland seal option.



Above are complete and sectioned views of an expanded Group 2 type pump, with flange mounting, mechanical shaft seal and bronze bearings.