

Product Data Sheet

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Enviroflex L150 Series

One piece maintenance for peace of mind

LARGEST PERISTALTIC PUMP IN THE WORLD

Highlights

- *There is no other Peristaltic Pump in the World that can deliver this flowrate*
- *Ideal for corrosive environments with pump casing options in 304 and 316 stainless steel (Standard is galvanised steel)*
- *Accurate & controllable flowrate means easy integration with your process requirements*
- *Essentially one wearing part means low maintenance and low spares inventory*
- *Excellent solids/sludge handling with no valves or balls to stick*
- *Self Priming suction lift up to a maximum of 9.5m vertical*
- *Fixed and variable speed options*



Environmental Pumping Solutions Ltd

www.environmentalpumping.co.uk

UK Tel: 0800 0180 007

UK Fax: 0870 8730282

Int'l Tel: +44 (0) 1635 576028

Int'l Fax: +44 (0) 1189 657783

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Another World first from Environmental Pumping Solutions

With our Enviroflex L Series pump you get all the benefits of other peristaltic pumps, with the two key additional benefits of a much slower speed for a given flowrate; and rotating rollers for soft hose compression. These two features greatly increase hose life & reduce power consumption.

The L150 pump is the largest peristaltic pump in the World. After years of development the L150 was introduced for applications ranging from; sea tanker overloading, to high solids thickener underflow slurry transfer, where fast reliable offloading is key to process profitability.

Our pump uses soft action rotating rollers to compress the hose instead of hard fixed shoes. The advantage of our rollers is that they gently rotate as they compress the hose, losing very little power from surface friction. Fixed shoes by stark comparison apply a large contact area, that drags on the hose surface, creating a high level of wear, friction and hence significant power loss.

Displacing 83.4 litres per revolution you can run this pump very slowly to deliver high flowrates with excellent hose life. The pumps soft rollers reduce **power consumption dramatically** from what you could expect with a fixed shoe design if one existed at this size (which it doesn't).

Common Applications

Typical duties include:

- Effluent Processing
- Mining Waste/Cake Transfer
- Mud slurry Transfer
- Municipal Waste transfer
- Sea Tanker Offloading
- Sand Slurry Transfer
- Tailings Transfer
- Thickener Underflow Feed
- And of course many others.

If you need a reliable pump that's easy to maintain, clean and simple to operate, then the **Enviroflex**

L Series is the one for you.

Just some of our Hose Materials

- Butyl
- EPDM
- Hypalon
- Natural Rubber
- Neoprene
- Nitrile Rubber



3 off L150 pumps on a thickener underflow application, chosen due to its high flowrate and low power consumption. As well as saving on power, our low friction rollers dramatically reduce wear on the hose caused by the physical stretch and frictional heat from competitors fixed shoe designs, greatly extending overall hose life.

Technical Data L150 Series

Weight: 1800kg (Varies with Drive)

Dims: 1520H by 1910W by 2160L mm

Temperature: Max 80 deg C*

Displacement: 83.36 Litres per rev

Max continuous speed: 27 rpm

Max pressure: 7.5 Barg

Max cont flowrate: 0 to 135,043 l/hr

Std Connections: 6" O/D Victaulic Fittings

*Higher Temp hose options available



OPTIONS

- FDA Approval on hose material
- Connections
- Hose failure detection
- High and low level lubricant sensors
- Electronic variable speed drive
- Manually variable gearbox
- Global voltages from 380v to 525v
- Exclusive stock program