

# Product Data Sheet

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# Enviroflex L100 Series

One piece maintenance for peace of mind

## TWICE THE HOSE LIFE AND SIGNIFICANT POWER SAVINGS compared to other Peristaltics\*

### Highlights

- **TWICE the hose life and significant power savings when compared to other Peristaltic pumps\***
- *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*



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\*Typical figures call for exact data.

### 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 L Series pump displaces typically twice the flowrate of our competitors pump and we achieve this by making our pump larger\*. In our design the rollers effective contact with the hose is maximised, producing an increased flow per revolution. This means we can run our pump at about half our competitors speed to produce the same flowrate and hence double the hose life\*.

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.

The L100's design features will provide you with typically **TWICE the expected hose life and significant power savings** when compared to other peristaltic pumps\*.

### Common Applications

Typical duties include:

- Effluent Processing
- Mining Waste Transfer
- Mud slurry transfer
- Municipal Waste Transfer
- Sea Tanker Offloading
- Tailings transfer
- Thickener Feed
- Sand Slurry Transfer
- 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



20off similar pumps supplied on a thickener underflow application chosen due to their 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 L100 Series

Weight: 900kg (Varies with Drive)

Dims: 1535W x 1461D x 1654H mm

Temperature: Max 80 degrees C

Displacement: 28.41 Litres per rev

Max continuous speed: 30 rpm

Max pressure: 10 Barg

Max cont flowrate: 0 to 51,138 l/hr

Std Connections: 4" O/D Victaulic Fittings



### 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
- Close or long coupled design