

# Product Data Sheet

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# Enviroflex L40 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 casing is carbon 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 L40'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:

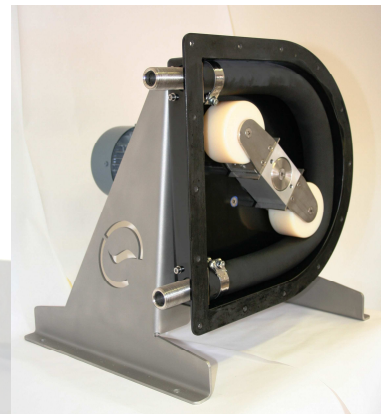
- Colour pigment and glaze transfer
- Dosing addition of heavy slurries for building materials industries
- Dosing of spray additives like paint and ink
- Oil spill recovery and waste sludge transfer
- Radioactive waste decommissioning
- Water sampling and chemical metering
- And of course many others.

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



L40 with cover removed, showing its smart roller design which applies a low friction soft compressing action, compared to our competitor's high friction rubbing shoe. The L40's proven roller design also imparts minimal stretch and heat input to the hose, doubling hose life and significantly reducing power consumption.

### Technical Data L40 Series

Weight: 250kg (Varies with Drive)

Dims: 790W x 750D x 857H mm

Temperature: Max 80 degrees C

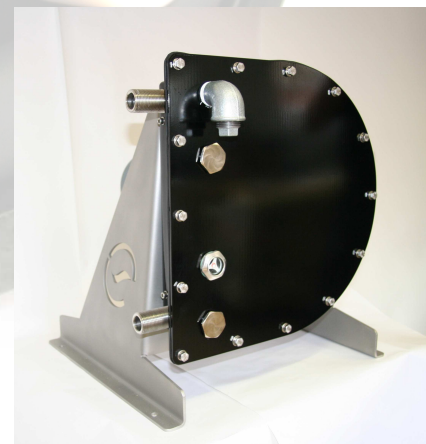
Displacement: 2.21 Litres per rev

Max continuous speed: 40 rpm

Max pressure: 10 Barg

Max continuous flowrate: 0 to 5304 l/hr

Standard Connections: 1 1/2" BSP Male



### **OPTIONS**

- **FDA Approval on hose material**
- Connections
- Hose failure detection
- Variable speed drive
- Trolley mounted
- Global voltages from 110v to 525v