

Low Pulse Peristaltic Pump Watson Marlow 530S/L



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Available on request

It is a low pressure peristaltic pump, which thus works with low pulsation. With the use of the specially developed glass damper the pulsation is almost zero during the pump operation.

Peristaltic pumps are the simplest possible pump, with no valves, seals or glands to clog or corrode. The fluid contacts only the bore of a tube, eliminating the risk of the pump contaminating the fluid, or the fluid contaminating the pump. Peristaltic pumps can operate dry without risk.



Suitable applications

Peristaltic pumping is ideal for most fluids, including viscous, shear-sensitive, corrosive and abrasive fluids, and those containing suspended solids. They are especially useful for pumping operations where hygiene is important. Peristaltic pumps operate on the positive displacement principle. They are particularly suitable for metering, dosing and dispensing applications. Pumps are easy to install, simple to operate and inexpensive to maintain.

The pump can be used for sterile applications when the hose elements are sterilised in the autoclave.

Nisco application

Used for VARD2Go single or multi nozzle case of sterile application and/or abrasive particles.

Pump specifications

Supply voltage/frequency

115/230V, 1Ph, 50/60Hz, 135VA

Full load current

<0.6A at 230V; <1.25A at 115V

Maximum voltage fluctuation

±10%

Enclosure rating

IP31 to BS EN 60529. Equivalent to NEMA 2, suitable for indoor use. Protected against dripping water and falling dirt. May be wiped with a damp cloth, but should not be immersed

Hose elements:

VARD2Go Continuous: ID 1,6mm; PE-00647

VARD2Go with multi nozzle head: ID 3,2mm; PE-00437

Operating temperature range

5°C to 40°C, 41°F to 104°F

Pulsation dampener

The pump is delivered with a Nisco pulsation dampener in borosilicate for the specific unit. We have two different sizes depending on the required flow rate.

Pump head for Nisco Encapsulators

505L (head for low pulsation feeding)

Humidity (non-condensing)

80% up to 31°C, 88°F, decreasing linearly to 50% at 40°C, 104°F