

# Dual-Headed Peristaltic Pump Watson Marlow 520S IP 31

Article N° PE – 00648

It is a dual headed peristaltic pump which thus works with low pulsation. With the specially developed glass damper the pulsation is almost zero.

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.



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## Nisco application

Used for VAR D continuous and VAR E in case of sterile application and/or abrasive particles.

## Pump specifications

### Supply voltage/frequency

100-120V/200-240V 50/60Hz 1ph, 135 VA

### 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:

VAR D Continuous: ID 1,6 mm; PE-00647  
VAR E: ID 3,2 mm; PE-00437

### Operating temperature range

5C to 40C, 41F to 104F

### Pump head for Nisco's Encapsulators

505L (dual head for low pulsation feeding)

### Humidity (non-condensing)

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