

## PD12P

### OEM PERISTALTIC LIQUID FILLING MACHINE



- From 0.1 ml to more than 250 ml
- Accuracy better than +/-0.5%
- Product change in less than 1 minute
- No risk of cross contamination
- Multiple PD12P heads easy to integrate

## Watson-Marlow Flexicon

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# PD12P TECHNICAL SPECIFICATIONS

PD12P is a peristaltic liquid filling head in the Watson-Marlow Flexicon Multi Filling System and can be used for filling many different products, ie. pharmaceuticals, cosmetics and chemicals.

PD12P can work as a single filler or as one of several filling heads in a larger production system. The filling heads can be operated in individual, serial or parallel mode.

PD12P is intended for panel mounting and functional integration into line filling systems or monobloc systems.

PD12P is ideal for replacement of existing filling heads.

PD12P is mounted on a front plate for easy fitting into your panel. Fitting to the panel is done by means of a frame and very few screws and is carried out in a few minutes.

PD12P can be fitted into panels with a recommended plate thickness between 2–8 mm.

The aperture in your panel must be 153 mm width x 163 mm height. Allow space in your cabinet for the front plate of PD12P and for mounting of cables etc. on the rear of PD12P.

PD12P is controlled via an RS-485 serial communication from Flexicon's MC12.

Multiple PD12P heads can be connected by means of a control cable connecting each head to the next one in line. Only pump no. 1 has a control cable, which connects to all the filling heads to the MC12. Each pump is connected individually to the power. Up to 16 heads can be controlled by one MC12P.

### Filling volume:

0.1 ml to more than 250 ml

### Accuracy:

Better than +/-0.5% for fills above 0.5 ml  
Better than +/-1% for fills below 0.5 ml

### Flow:

850 to 4200 ml/min., depending on the viscosity

### Pump head:

- Peristaltic quick-change head in anodised aluminium
- 12 offset rollers in AISI304 and on ball bearings

### Tubes:

Watson-Marlow Flexicon peroxide or platinum cured silicone tubes with a 1.6 and 2.0 mm wall. The tubes are approved for pharmaceutical use, according to a.o. FDA and USP standards

### Tube sizes:

0.5 – 0.8 – 1.2 – 1.6 – 3.2 – 4.8 – 6.0 – 8.0 mm i.d.

### Mains:

110/230 VAC earthed

### Power consumption:

Max. 150 W

### Cabinet:

Anodised aluminium and stainless steel

### Ingress protection:

IP54

### Weight:

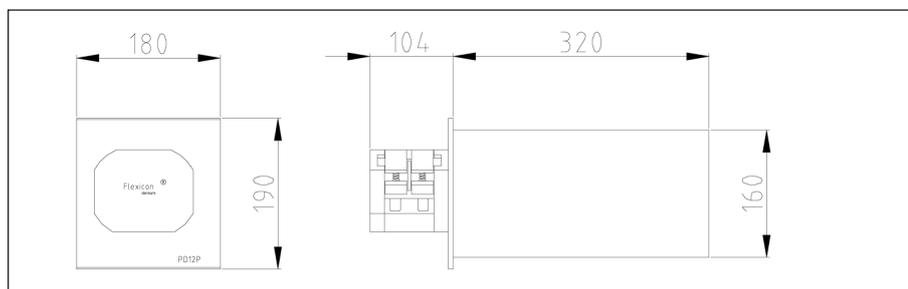
12 kg

### Interface:

- RS-485 multi-drop network
- 1 x (5-50 VDC) input for start
- 1 x (24 V/100 mA) input for disabling drive
- 2 x open collector outputs for status

### Accessories:

Filling stands and needles, tubes, foot switch, etc.



### SPECIAL OPTION: PD12PS for vertical integration

