

PD22P

OEM PERISTALTIC LIQUID FILLING MACHINE



- From 5 ml to more than 5,000 ml
- Accuracy better than +/-0.5%
- Product change in less than 1 minute
- No risk of cross contamination
- Multiple PD22P heads easy to integrate

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PD22P TECHNICAL SPECIFICATIONS

PD22P 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.

PD22P 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.

PD22P is intended for panel mounting and functional integration into line filling systems or monobloc systems.

PD22P is ideal for replacement of existing filling heads.

PD22P 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.

PD22P can be fitted into panels with a recommended plate thickness between 2–8 mm.

The aperture in your panel must be 223 x 223 mm. Allow space in your cabinet for the front plate of PD22P and for mounting of cables etc. on the rear of PD22P.

PD22P is controlled via an RS-485 serial communication from Watson-Marlow Flexicon's MC12.

Multiple PD22P 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 supply. Up to 16 heads can be controlled by one MC12P.

Filling volume:
5 ml to more than 5,000 ml

Accuracy:
Better than +/-0.5%

Flow:
150 to 11,000 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 2.5 and 3.5 mm wall. The tubes are approved for pharmaceutical use, according to a.o. FDA and USP standards

Tube sizes:
3.0 – 5.0 – 6.5 – 8.0 – 10.0 – 12.5 mm i.d.

Mains:
110/230 VAC earthed, 60/60 Hz

Power consumption:
Max. 350 W

Cabinet:
Anodised aluminium and stainless steel

Ingress protection:
IP54

Weight:
24 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.

