



253M



FIXED FLOW PERISTALTIC PUMPS
Description-Instructions



153M

Model 253M and 153M

Moto Pumps with 253 or 153 easy-load head with stainless steel rotor 3-roller

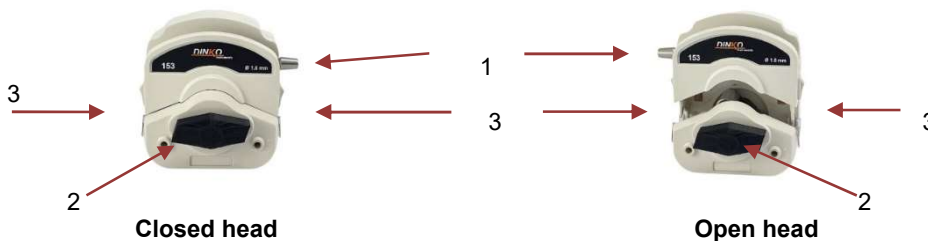
SPECIFICATIONS: Speed: 330 or 500rpm. Outlet pressure: 2 bar. Power supply: 24V DC.
Power: 100W/ Environmental conditions: Temperature, 0 → 60°C; Humidity, < 85%RH
Motor: DC geared motor

Tubes for 253M, inner Ø: 9,6mm (36); 8mm (35); 6,4mm (24). Wall thickness 2,4mm.
Tubes for 153M, inner Ø 0,8mm (13); 1,6mm (14); 3,2mm (16); 4,8mm (25); 6,4mm (17); 8,0mm (18). Wall thickness 1,6mm.
Dimensions / Weight, 253M: 120mm x 255mm x 110mm /2,7Kg/ Dimensions / Weight, 153M: 190mm x 160mm x 135mm / 1,9Kg

Flow chart for each tube. Flow rates obtained with water and without outlet back pressure.

Pump Code ▼	Head	rpm	0,8	1,6	3,2	4,8	6,4	8,0	9,6	◀ID tube mm		
1.8798.00	253	500	No							2700	4700	6000
1.8798.50	153	500	29	120	470	1000	1500	2000	No	ml/min		
1.8798.33	153	330	20	85	330	700	1050	1300	No			

Head 153



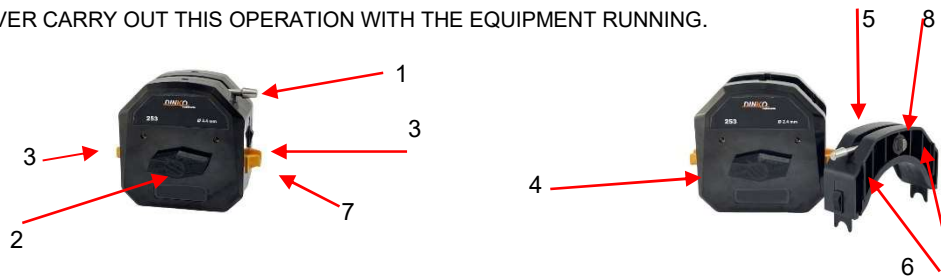
1 - Lever to open the head. 2 - Tractor axle output protector. 3 - Sliding buttons for fixing the peristaltic tube.

Head 253

To remove the upper part, place the lever (number 1 in the photo) to the left of the head. Pull up the upper part with both hands, using the two sliding buttons located on both sides (number 3 in the photo).

To reposition the upper part, with the lever located on the left, insert the upper part carefully and making sure that the 4 rails (number 6 in the photo) that have the removable part and the piece of the central part (number 8 in the photo), enter their corresponding guides. Once correctly oriented, press down until the two parts of the head, the fixed one (number 4 in the photo) and the removable one (number 5 in the photo) are at the same level and we check that the installed tube is well centered. once we reach this position, we move the lever, from the left to the right, slowly, checking that all the parts are well aligned.

NEVER CARRY OUT THIS OPERATION WITH THE EQUIPMENT RUNNING.



Closed head

- 1 - Lever to open the head.
- 2 - Tractor axle output protector.
- 3 - Sliding buttons.
- 4 - Fixed part of the head.

Open head

- 5 - Removable part of the head.
- 6 - Guides (rails) of the head
- 7 - Tube guides.
- 8 - Metal central guide

To avoid breakage due to wear of the peristaltic tubes during full operation of the pump, replace the head tube systematically before the duration periods observed.

Codes for calibrated tubes of 1,6mm wall thickness, 1 meter

▼ Tube Ø int. ►	0,8mm	1,6mm	3,2mm	4,8mm	6,4mm	8,0mm
Pharma	1.8801.08	1.8801.16	1.8801.32	1.8801.48	1.8801.64	1.8801.80
Silicone	1.8760.08	1.8760.16	1.8760.32	1.8760.48	1.8760.64	1.8760.80
Tygon A-60-G ®	-	1.8750.16	1.8750.32	1.8750.48	1.8750.64	1.8750.80
Viton®	1.8790.08	1.8790.16	1.8790.32	1.8790.48	1.8790.64	1.8790.80

Codes for calibrated tube of 2,4 mm wall thickness, 1 meter

▼ Internal Ø tube ►	6.4mm	8.0mm	9.6mm
Pharma	1.8802.64	1.8802.80	1.8802.96
Silicone	1.8762.64	1.8762.80	1.8762.96
TygonA-60-G ®	1.8756.64	1.8756.80	1.8756.96
Viton ®	1.8791.64	1.8791.80	1.8791.96

WARRANTY

DURATION:

The guarantee is established for a period of 1 year from the date of commissioning of the device, provided that the guaranteed card is returned to us within 8 days of said commissioning. Without this condition the guarantee will not be valid.

SCOPE OF WARRANTY:

The guarantee is given against manufacturing and material defects for an average work week of 40 hours.

The guarantee is reduced proportionally to the increase in working hours.

Repairs will be made in our factory. Otherwise, the guarantee will only include the replacement of the defective elements.

DINKO will not be responsible for the transport costs, nor will it assume responsibility for the consequences caused by the immobilization of the device.

The parts replaced free of charge remain our property, reserving the right to request their return, free of postage to our address.

Repairs or replacement of parts during the warranty period do not extend the initial warranty.

Our responsibility is limited to the attached guarantee and not to possible accidents to persons or other things.

Any alteration of the device by the user voids the warranty.

EC DECLARATION OF CONFORMITY

DINTER SA DINKO Instruments c/ Encarnació, 123-125 / 08024- Barcelona

Declares that the items mentioned in the attached list, to which this declaration refers, comply with the essential safety requirements of the applicable European Directive:

- Low Voltage Directive D2006/95/CEE of December 12, 2006
- Essential requirements of Annex I of the Machinery Directive 2006/42/CEE of May 17, 2006
- EC Electromagnetic Compatibility relating to the Electromagnetic Compatibility Directive 2004/108/CEE of December 15, 2004
- Safety for electrical measurement, control and laboratory devices. Requirements relating to the EMF. IN 61326
- Safety rules for electrical measurement, control, and laboratory devices. Part I. General prescriptions EN 61010-1

However, the user must observe the assembly and connection instructions indicated in the technical instruction's catalogues.

Name	Joan A. Bravo	Josep X. Sensada
Position:	Technical Director	Responsible for Quality

Signature




Model: Motor Peristaltic Pumps. M153 and M253M

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