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Operations Manual

Mini Tube Rotator

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This manual covers the model shown below

NA Model	EU Model	Voltage	Description
88861051	N/A	100~240V	Mini Tube Rotator US plug
88861052	15534080	100~240V	Mini Tube Rotator Intl plug

Before using this product, read this entire operation manual carefully. Users should follow all of the operational guidelines contained in this manual and take all necessary safety precautions while using this product. Failure to follow these guidelines could result in potentially irreparable bodily harm and/or property damage.

Caution all internal adjustments and maintenance must be performed by qualified service personnel.

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Section 1 Introduction

Thank you for purchasing the Fisher Scientific Mini Tube Rotator. This unit was designed to mix reagents, solution, and other chemical substances for use in the research, medical science, biological engineering, chemical science, and pharmaceuticals industries.The Mini Tube Rotator is simple in appearance, and is constructed through precise manufacturing and strict quality control for stable operation, accurate control, and reliable quality.

Specifications

Description	NA Cat. No.	NA/EU Cat. No.
Mini Tube Rotator	88861051 US plug	88861052 /15534080 Intl plug
Rotation Speed	10-40rpm	
Capacity	84 × 0.5ml/0.8ml tubes	
	60 × 1.5ml/2.0ml tubes	
	28 × 5ml/7ml tubes	
	28 × 10ml/15ml tubes	
	6 × 50ml tubes	
Operation Temperature	4 ~60℃	
Size - W×D×H	26 × 14.8 × 19.5cm	
Operation Mode	Rotating / Reciprocating	
Indication	LED	
Power	10W	
Weight	⩽1kg	
Power Supply	100~240V, 50/60Hz, 0.1A	

Features

. Assortment of paddles included
. Selection of reciprocating or rotating operation mode
. Stepless speed regulation
. LED indication of speed

Control Panel

. " ▲ " Speed-up/increase value
. " ▼ " Slow "down/decrease value
. " Mode " Selection of operation mode
. "LED" to show the settings and working speed

Packing List

	Description	NA Cat. No.	EU Cat. No.	Qty	Remark
1	Mini Tube Rotator	88861051 US plug 88861052 Intl plug	15534080	1	
2	Paddle for 10ml/15ml tubes	88861201	15524140	2	For Paddle Axle
3	Paddle for 5ml/7ml tubes	88861202	15534140	2	
4	Paddle for 1.5ml/2ml tubes	88861203	15544140	2	
5	Paddle for 0.5ml/0.8ml tubes	88861204	15554140	2	
6	Paddle Axle	/	/	1	
7	Paddle for 50ml tubes	88861205	15564140	1	For Revolving Rack
8	Revolving Rack	/	/	1	
9	Power adaptor	/	/	1	

Section 2 Operation/Paddle

Unit Installation

1. Install the paddle with reference to paddle Installation in this section.
2. Mount the corresponding tube on the paddle.
3. Turn the power switch to “on”.
4. Switch the operation mode between “rotating” and “reciprocating” by pressing the Mode button.
5. Set the speed by pressing the up or down arrow button when it is on “rotating” mode.

* 50ml tube rack could be installed with or without the paddle axle.

** LED shows “00” on “reciprocating” mode; LED shows the last speed setting value when it is on “rotating” mode.

Figure 2-1. Control Panel

Paddle Installation

1. Hold the mini tube rotator housing firmly, insert one end of the paddle axle into the slot, turn it until it clicks into place, insert the other.

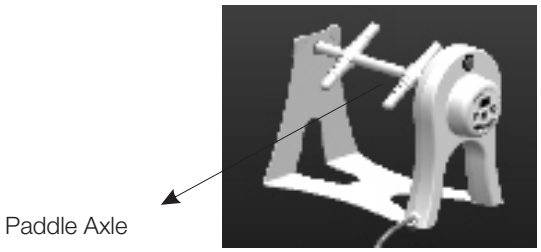


Figure 2-2. Axle

2. Mount the desired tube rack.
3. Place the O-rings into the grooves on the paddle axle.

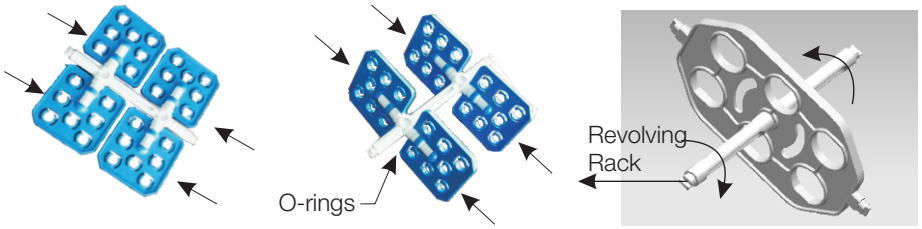


Figure 2-3. Assembly

4. Load the tubes onto the tube rack.

Please follow the notes below for ensuring long-term usage:

1. Place the tubes in stop status.
2. To ensure the units optimal performance, please reduce the load or keep the load balanced if there is any noise

Figure 2-4. Balanced Load

Section 3 Cleaning

For safe use, clean the mini tube rotator as follows:

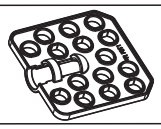
. Unplug the power cord before cleaning.

. Clean the unit with a soft damp cloth or a mild non-corrosive (pH≤8) detergent

. Do not spray the unit.

. Be sure that the unit is completely dry before operation.

Section 4 Optional Accessories/Spare Parts

Description	NA Cat. No.	EU Cat. No.	Dimensions	Max. Qty	Figure
Rotisserie for 10/15ml tubes	88861201	15524140	80×80×6mm (2pcs/pack)	4	
Rotisserie for 5/7ml tubes	88861202	15534140	80×80×6mm (2pcs/pack)	4	
Rotisserie for 1.5/2ml tubes	88861203	15544140	80×80×6mm (2pcs/pack)	4	
Rotisserie for 0.5/0.8ml tubes	88861204	15554140	80×80×6mm (2pcs/pack)	4	
Rotisserie for 50ml tubes	88861205	15564140	187×107×7mm	1	

Section 5 Warranty

When used in laboratory conditions and according to these operation instructions and maintenance, this product is warranted for 24 months against defective materials or workmanship. The 24 month warranty period begins from the delivery date of this product.
For product quality or performance issues, contact Fisher Scientific Customer Service.

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