

rossmax

Portable Testing Device
for Nebulizer

rossmax



Model: **Neb Tester**
Instruction Manual

ISO 9001/13485 **CE**
030118_140302_101105

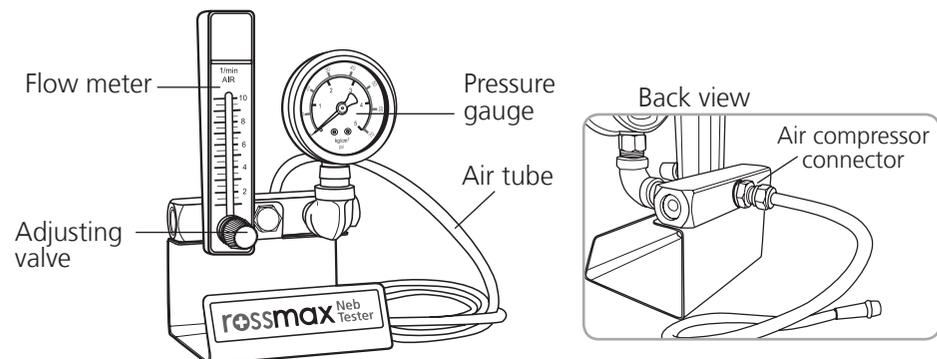
Introduction

Rossmax Neb Tester is a portable and easy-to-use device that allows the user to quickly check the performance of the pump of a compressor nebulizer. No power source is required for Neb Tester to operate and the test result is easy to read and interpret.

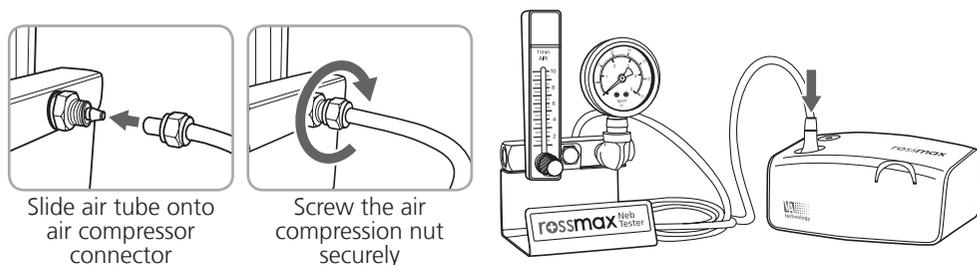
Neb Tester consists of an oil pressure gauge, flow meter, air tube and stainless steel stand. This device is used to simulate the working conditions of the pump when the nebulizer is in operation with a medication cup and is able to check:

1. Maximum (free) air flow
2. Operational air flow at a particular pressure
3. Maximum air pressure

Parts name/location



Installation



Operation procedures

1. Check maximum (free) air flow

- Step 1: Adjust the valve of flow meter to the maximum.
- Step 2: Slide the open end of the tester air tube onto the vent of the nebulizer.
- Step 3: Power on the nebulizer.
- Step 4: Let the nebulizer run for 30 seconds to warm up.
- Step 5: Set the pressure at 0 PSI.
- Step 6: Check the air flow rate.
- Step 7: Turn off the nebulizer.
- Step 8: Disconnect the nebulizer and air tube.

2. Check operational air flow at a particular pressure

- Step 1: Adjust the valve of flow meter to the maximum.
- Step 2: Slide the open end of the tester air tube onto the vent of the nebulizer.
- Step 3: Power on the nebulizer.
- Step 4: Let the nebulizer run for 30 seconds to warm up.
- Step 5: Set the pressure to a desired level by adjusting the valve of the flow meter.
- Step 6: Check the air flow rate.

	Pressure (PSI)	Flow rate (L/min)
NA100 / NB500	15.0	≥ 3.5
NE100 / NF100	7.5	≥ 5.0
NB80 / NF80	8.0	≥ 3.0
NB60 / NI60	8.0	≥ 2.0

- Step 7: Turn off the nebulizer.
- Step 8: Disconnect the nebulizer and air tube.

3. Check maximum air pressure

- Step 1: Adjust the valve of flow meter to the maximum.
- Step 2: Slide the open end of the tester air tube onto the vent of the nebulizer.
- Step 3: Power on the nebulizer.
- Step 4: Let the nebulizer run for 30 seconds to warm up.
- Step 5: Close the adjusting valve completely.
- Step 6: Check the pressure gauge indicator.
- Step 7: Turn off the nebulizer.
- Step 8: Disconnect the nebulizer and air tube.

Specifications

Power source	No need	
Operating temperature	0 ~ 54°C	
Storage temperature	-10 ~ 60°C	
Air flow	scale	1~10 L/min
	accuracy	±4% of full scale
Pressure	scale	0~70 PSI
	accuracy	±2% of full scale
Weight	610g	
Dimension	80(W)x180(H)x130(D) m	

Cautions and maintenance

1. This device should be used with air only.
2. The device must be in a vertical position while in use.
3. Open valve slowly to avoid possible damage.
4. Do not completely unscrew valve stem.
5. Do not attempt to disassemble the device.
6. Avoid excessive vibration, physical impact and dropping.
7. Avoid high humidity and high temperature.
8. Keep the device away from static electricity.