

## • OVERVIEW •

Driven by the passion for innovation, we at Dr Trust endeavour to provide our customers with the latest medical inventions with an objective to promote good health and wellness all around the world. All the medical devices and health monitors provided by Dr Trust are supported by accurate, latest and ground breaking technologies, innovated at our headquarter in NY, USA. All our products adhere to the most stringent CE and FDA guidelines and are strongly recommended by doctors and health practitioners. Our products are designed in the utmost exemplary ways to ensure that their accuracy and convenience are unrivalled. The ease of their use and operation makes them even more suitable for users of all age groups.

Dr Trust strives to enhance the quality of lifestyle by providing with the most trusted and innovative health care and wellness products. Being a renowned global leader in health care products, Dr Trust ensures that our technically efficient team works dynamically and tirelessly to provide the best of the medical devices to our clients. The products that we have to offer are suitably designed for use at homes, laboratories and hospitals.

Our ground breaking solutions allow you to monitor your health in the easiest ways possible. In today's era when all of our lives are too hassled to handle, it becomes a bit difficult to pay attention to our health. But it has now become easier with the coming of the monitoring devices which can be conveniently used at homes and even on the go.

We bring to you a variety of best self medical devices, trusted and used by Doctors, medical professionals and home users all over the world.

## Dr Trust Respiright Oxygen Concentrator – 1103

### • QUICK START GUIDE •

#### Step 1

Hang the humidifier bottle filled with purified water onto the oxygen outlet.

#### Step 2

Plug in the concentrator's AC power line into the power supply and press the power switch to the "ON" position.

#### Step 3

When the machine is on the instruction light will shine for three-times.

#### Step 4

Turn the flow knob to set the prescribed flow rate on the flowmeter.

#### Step 5

Insert the nasal plug in the oxygen inhalation tube and to the nostrils of the oxygen inhalation person to make the oxygen inhalation.

#### Step 6

When oxygen is finished, please turn off the power switch.

#### NOTE:

- Oxygenation times and the flow rate range should be established and prescribed by your physician.



1103

## • INDEX •

Important Safeguards	02
Product Introduction	06
Structure, Components and Functions	06
Product Operating Procedure	09
Environment Requirement	12
Transportation and Storage Conditions	12
Purity Value and Flow Functions Chart	12
Technical Parameters	13
Cleaning and Maintenance Instructions	15
Fault and Repairing	15
Check Package and Packing List	18
Customer Support	
About us	

## • IMPORTANT SAFEGUARDS •

### **WARNING:**

*Users who require continuous oxygenation must plan for alternate reserve sources of power and oxygen in the event of a failure or loss of power and oxygen. This device is to be used as an oxygen supplement and is NOT considered life-supporting or life-sustaining!*

### 1.1 Important Information

- Risk of electric shock.
- DO NOT disassemble. Refer serving to qualified service personnel.
- DO NOT modify this equipment without authorization of the Manufacturer.
- Read the following information before operating this product.

### 1.2 Before Installation

- The concentrator should always be kept in the upright position to prevent damage during transport.
- If the electrical power source becomes unstable, discontinue use, and find an alternate source.
- Only use stable and safe electrical power sources.
- The oxygen concentrator cabinet should ONLY be opened by an authorized equipment provider.

### 1.3 Placement

- You may select a room in your house where using your oxygen concentrator would be most convenient. Your concentrator can be easily roll from room to room on its casters.
- Do not place the oxygen concentrator in surroundings where its airflow is obstructed.
- Be certain to place the oxygen concentrator so that all sides are at least 30 centimeters away from walls, draperies, furniture, or similar surfaces. Avoid deep pile carpets and heaters, radiators or hot air registers.
- Do not place the unit in a confined area.
- The oxygen concentrator MUST be kept away from heat, fire and excessive water sources and conditions.
- The oxygen concentrator should be located to avoid pollutants or fumes.
- Do Not place items on top of the concentrator.
- NEVER block the air openings of the unit or place it on a soft surface, such as a bed or couch, where the concentrator may tip or fall.
- Keep the openings free from lint, hair, and the like.

### 1.4 Fire Warning and Explosion

- Keep the concentrator away from flammable and explosive areas.
- Users MUST NOT SMOKE while using this device. Keep all matches, lighted cigarettes, or other sources of ignition out of the room in which this product is located. NO SMOKING signs should be prominently displayed.



- Textiles and other materials that normally would not burn are easily ignited and burn with great intensity in oxygen enriched air. Failure to observe this warning can result in severe fire, property damage and cause physical injury or DEATH.
- The use of oxygen therapy requires that special care be taken to reduce the risk of fire. Any materials that will burn in air, and some that will not, are easily ignited and burn rapidly in high concentrations of oxygen. For safety concerns, it is necessary that all sources of ignition be kept away from the product and preferably out of the room in which it is being used.
- A spontaneous and violent ignition may occur if oil, grease, or greasy substances come in contact with oxygen under pressure. These substances MUST be kept away from the oxygen concentrator, tubing and connections, and all other oxygen equipment.
- DO NOT use any lubricants unless recommended by manufacturer.

### 1.5 Maintenance

- Oxygen concentrator shall be maintained once a year at least. Only the professional healthcare person familiar with the operation of this device (e.g., personnel trained or approved by manufacturer), can the maintenance or debugging of oxygen concentrator.
- DO NOT service or maintain while patient in use.

### 1.6 Radio Frequency Interference

- Most electronic equipment is influenced by Radio Frequency Interference (RFI). Always exercise CAUTION with regard to the use of portable communications equipment in the area around such equipment.
- Energy of Radio Frequency of this machine is just for device operation use, so the Radio Frequency is very low, will not affect the running of other electric equipment around regard to the use of portable communications equipment in the area around such equipment.

### 1.7 To Reduce the Risk of Burns, Electrocutation, Fire, or Injury to Persons

- Avoid using while bathing. If continuous usage is required by the physician's prescription: The concentrator must be located in another room at least 2.5 meters (8.2 feet) from the bath.

- DO NOT come in contact with the concentrator while wet.
- DO NOT place or store product where it can drop into water or other liquid.
- DO NOT reach for product that has fallen into water. UNPLUG IMMEDIATELY and call a Qualified Service Personnel for examination and repair.
- A product should NEVER be left unattended when plugged in.
- This device is to be used only in accordance with the prescription of a physician and this User's Manual. If at any time the patient or attendant concludes that the patient is receiving an insufficient amount of oxygen, contact the provider and/or physician immediately. No adjustments should be made to the flow rate unless prescribed by a physician.
- Close supervision is necessary when this product is used near children or physically challenged individuals.
- Use this product for only intended use as described in this manual.
- DO NOT use parts, accessories, or adapters other than those authorized by manufacturer. Use of certain humidifiers and administration accessories not specified for use with this oxygen concentrator may impair the performance.
- If replacement parts used for the periodic servicing by an approved technician do not comply with the manufacturer's specifications, the manufacturer is not responsible in the event of an accident.
- DO NOT connect the concentrator in parallel or series with other oxygen concentrators or oxygen therapy devices.
- In certain circumstances oxygen therapy can be hazardous. Manufacturer recommends that you seek medical advice before using this product.
- Avoid creation of any spark near medical oxygen equipment. This includes sparks from static electricity created by any type of friction.
- If the concentrator has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, call Qualified Service Personnel for examination and repair.
- Keep the cord away from HEATED or HOT surface.
- Do not move or relocate concentrator by pulling on the cord.
- NEVER drop or insert any object into any opening.



## PRODUCT INTRODUCTION

The Dr Trust Respiright Oxygen Concentrator -1103 refers to an oxygen concentrator used at home, nursing homes or patient care center to provide low flow oxygen therapy. Our oxygen generator product is adopted the pressure swing adsorption principle. When the power is switched on, the oxygen in the air can be separated and delivered in the concentrated form to meet the medical standards.

## STRUCTURE, COMPONENTS AND FUNCTIONS

\* The following Component description refer to figure 1, figure 2 \*

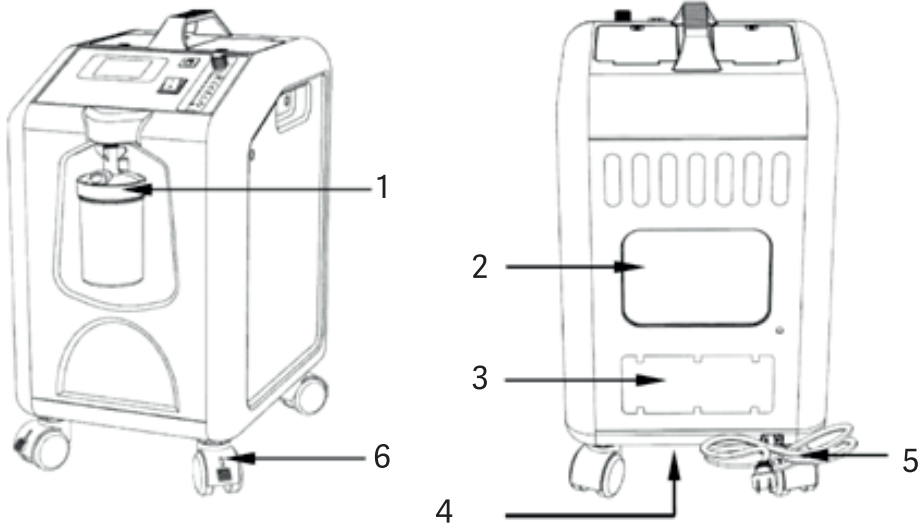


Figure 1

Figure 2

1. Oxygen Outlet: Connect to the humidified bottle or nasal oxygen tube by connecting tube
2. Product Nameplate/Serial Number Label: product performance, product serial number
3. Air Intake Filtering Foam: To prevent dirt, dust, fibers into the machine
4. Heat Sink: On the bottom of the machine, the equipment cannot be blocked at work
5. Straight out of the AC power cord (with plug)
6. Castor (4): Flexible Mobile Machine

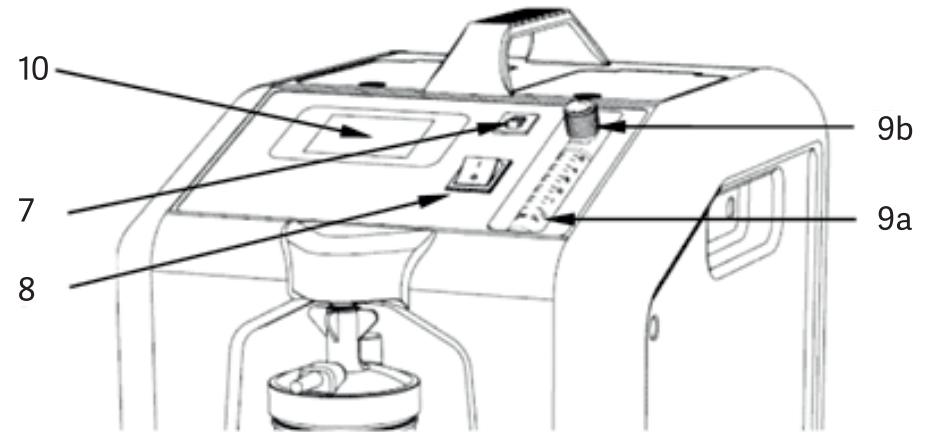


Figure 3

7. Resettable current overload protector
8. Power Switch: O/I
9. Oxygen flow meter (Figure 3)
  - a. The position of the flow knot in the oxygen flow meter indicates the size of the flow. (L/min)
  - b. Flow adjusted value: ON/OFF button on the flow meter. Adjust and control the flow of output oxygen.



**Notice:**

- Test the oxygen flow meter and make sure the knot in the regular rick mark.
- The oxygen flow is so important so do not add or down the flow, just refer to the flow the doctor required.
- Flow will be reduced if the flow meter is rotated clockwise. (Will eventually shut down the flow of oxygen). If the counterclockwise rotation, the flow will increase.

\* The following parts are illustrated with reference to Figure 4 \*

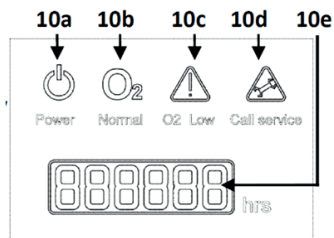


Figure 4

10. LED Display (Reference figure 4)

- a. Green power indicator light - Start operating
- b. Green indicator light - Oxygen output normal
- c. Green indicator light - Low Purity
- d. Red indicator light - Contact the professional/manufacturer
- e. Digital display slot:
  - Cumulative timing: Digital show
  - Fault code description:
  - Show Lo-o2-cycle fault alarm or purity  $\leq 72\%$
  - Show Lo-P-low pressure alarm
  - Show Lo- Po2-cycle fault and low-pressure alarm
  - Show Hi-P-High pressure alarm
  - Show Hi-Po2-cycle fault and high-pressure alarm

**Unit have the following self-test functions**

Purity, cycle fault or purity  $\leq 72\%$  alarm, low pressure alarm, cycle fault and low-pressure alarm, High pressure alarm, cycle fault and high-pressure alarm.

When working normally, fault monitoring function oxygen machine will monitor the working state of oxygen making machine, when  $72\% \leq \text{purity} \leq 82\%$ , yellow low oxygen indicator light shining: If purity  $\leq 72\%$ , red alarm light shining with continuous alarm sound.

When show Lo-o2, the machine will stop within 1min, please turn off the machine immediately; When the machine shows the low pressure, the red light will shin with continuous alarm sound.

**Note:**

All the alarm state of the oxygen making machine belongs to the low priority. The alarm system has been set up in the factory, the user cannot change the alarm system settings.

• **PRODUCT OPERATING PROCEDURE** •

1. Initial Safeguards

- Position the oxygen concentrator near an electrical outlet in the room where you spend most of your time.
- Always keep it on a flat surface at least 30 cm away from the wall draperies or any other objects that might prevent the proper flow of air in and out of your oxygen concentrator.
- The tie on the bottom of the machine needs to be removed before you start operating.
- Before operating your unit, always check to be sure the air filter (located on the back of your unit) is clean.





## 2. Attaching the humidifier bottle

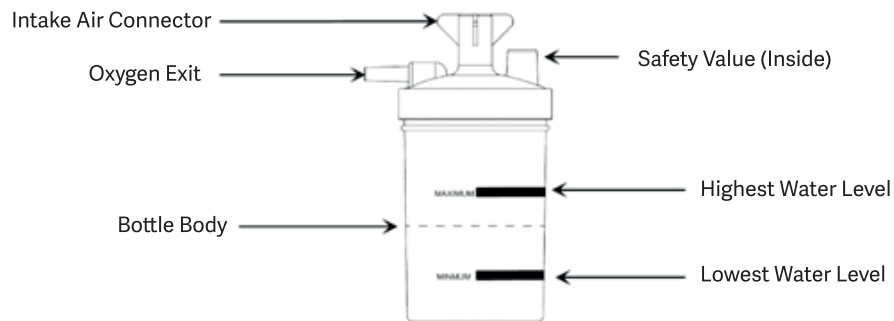


Figure 5

a. Fill the humidifier bottle with the distilled water as per the water level instructions. Fix the cover to the body (Figure 5);

Fix the humidifier by screw, please take off when do not use

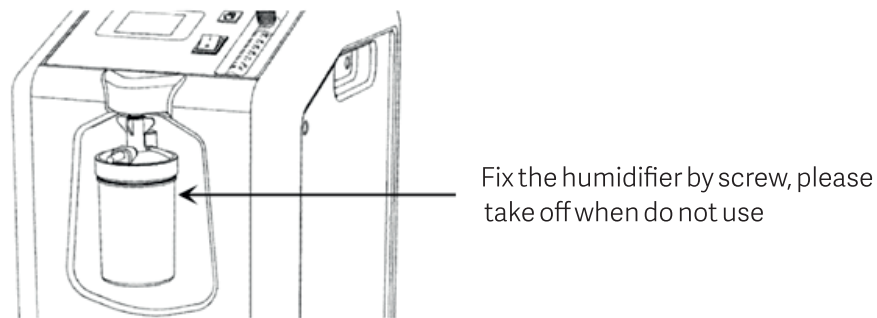


Figure 6

b. Screw the humidifier into the oxygen outlet by counterclockwise. Since the humidifier is hanging, make sure it is securely screwed onto the outlet port (see Figure 6).

## 3. Start Operating Oxygen Concentrator

1. Remove the AC power line from the retaining strip and confirm the switch in the off position. Insert the plug into the power outlet to start operations.
2. Press the power switch to the "On" position. When the unit is turned "On," all three lights on the front panel will illuminate briefly and an audible signal will briefly alarm confirming that it is functioning properly.
3. The unit will then operate in warm up mode with the Low Oxygen light lit until a normal oxygen level is achieved, at which time the Normal Oxygen light will remain lit.

**Oxygen Concentration Status Indicator:** *The oxygen concentration monitor is an electronic module capable of checking the effective oxygen concentration supplied by the concentrator. The oxygen monitor measures the concentration and activates audio and visual alarms if it falls below the alarm set point percentage.*

4. Put the nasal oxygen tube intake air connector to the air exit of the bottle, and then put the nasal tube to the user's ears. Insert the nasal plug of the oxygen inhalation tube into the nostrils to start inhalation. Figure 7



Figure 7



5. When the machine is running, if the alarm is sounded, please check whether the power supply connection is loose or not, or whether the external power supply has been interrupted.
6. When oxygen is finished, please turn off the power switch. According to the prompt cleaning oxygen inhalation tube or oxygen mask. Do not often use, please dial the power plug, the AC power line with the fuselage drawstring tie, and put the

### ENVIRONMENT REQUIREMENT

1. Environmental Temperature : 5°C~40°C.
2. Relative Humidity : ≤ 80%.
3. Atmospheric Pressure : 86 kPa~106 kPa.
4. No corrosive gas and strong magnetic field in the surrounding environment.

### TRANSPORTATION AND STORAGE CONDITIONS

**Notice:** When the storage temperature is under 5°C, put the machine under the normal temperature environment for over four hours before use.

### PURITY VALUE AND FLOW FUNCTIONS CHART

Dr Trust Oxygen Concentrator -1103 output pressure=0, Purity, and value flow function chart (Figure 8)

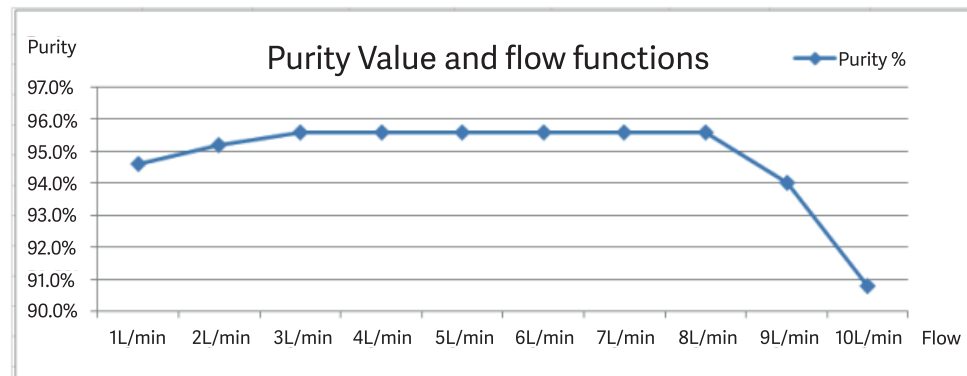


Figure 8

### TECHNICAL PARAMETERS

Working Voltage: 220V~ ± 10%/ 60Hz ± 1 Hz

Rated Power (VA): 770

Output Pressure = 0/7 kPa, the flow range (L/min): 1~10

Output Pressure=0, the purity value (within 10min, up to the standard) : Oxygen flow=1~10L/min, purity ≥90%,

Highest Flow: 10L/min

Highest Flow with 7kPa pressure, change of flow: ≤ 1L/min

Highest Flow, purity (within 10min, up to the standard) : ≥90%,



Range of adjusting flow: 0~10L/min adjusted continuously

Net Weight (Kg): 20.5

Noise dB(a):  $\leq 55$

Dimension (mm): L400 x W300 x H540

Oxygen Output Pressure: 60kPa-80kPa

**Yellow low oxygen indicator light:** When  $72\% \leq \text{purity} \leq 82\%$ , the yellow indicator will shine, contact the supplier, make sure here the spare oxygen nearby when use it continuously.

**Red alarm indicator light:** When  $\text{purity} \leq 72\%$ , red indicator will alarm, and display shows LO-o<sub>2</sub>. It will stop within one minute. Please turn off at once and choose the spare oxygen,

Compressor safety valve release pressure: 250kPa $\pm$ 50 kPa

Oxygen output temperature:  $\leq 46^{\circ}\text{C}$

Classification according to the operation mode: Continuous operation.

No signal output and signal input part.

Altitude: 0 meter to 2000-meter, Oxygen purity  $\geq 90\%$ , 2001 meter to 4000 meter,  $\leq 90\%$

## CLEANING AND MAINTENANCE INSTRUCTIONS

### 1. Cleaning the outside shell:

Once twice each month. Please cut off the power supply situation, use a wet towel to clean the exterior of the soft with a little detergent wipe, then dry towel to dry.

### 2. Cleaning the humidifier bottle:

You can use detergent and hot water to clean the humidifier bottle separately, or with white vinegar with water at the ratio of 1:3 mixture of fungicides, 30 minutes in the humidifier bottle after the separation of the solution, and then dry the wet bottle.

### 3. Cleaning the Air intake filtering foam:

Take off the cotton on the back side of the box, clean it with detergent and rinse thoroughly with clear water. Dry in the air. If do not dry thoroughly, please do not use it. This is the important step for protect the machine. It is advised twice each month.

## FAULT AND REPAIRING

In order to avoid electric shock, please do not open the shell. Only professional personnel should be allowed the open shell.





Symptom	Possible Cause	Remedy
A. Unit does not operate. Power light is off when the power switch is "on". Audible alarm is pulsing and Service Required light is flashing.	<p>1. Power cord not properly inserted into wall outlet.</p> <p>2. No power at wall outlet.</p> <p>3. Oxygen concentrator circuit breaker activated (selected units)</p>	<p>Check power connection at the wall outlet. On 220 voltage units, check the back of the unit.</p> <p>Check your home circuit breaker and reset if necessary. Use a different wall outlet if the situation occurs again.</p> <p>Press the concentrator circuit breaker button (if equipped) located below the power switch. Use a different wall outlet if the situation occurs again.</p>
B. Unit operates within 1min; the Power light is on when the Power switch is "On". Red Service Required light is illuminated. Audible alarm may be sounding.	<p>1. Air intake filtering foam is blocked.</p> <p>2. Exhaust is blocked.</p> <p>3. Blocked or defective nasal cannula, catheter, face mask or oxygen tubing.</p>	<p>Check the Air intake filtering foam. If the filtering foam is dirty, wash it following the cleaning instructions.</p> <p>Check the exhaust area; make sure there is nothing restricting the unit exhaust.</p>

		Detach nasal cannula, catheter, or face mask. If proper flow is restored, clean or replace if necessary. Disconnect the oxygen tubing at the oxygen outlet. If proper flow is restored, check oxygen tubing for obstructions or kinked. Replace if necessary.
C. Unit operates the power light is on when power switch is "on", audible low frequency vibration sound is detected.	The tie on the bottom of the machine do not be cut off	Turn off the machine and put off the power plug, then put the machine side cut off the tie and put out.
D. Both the green Normal Oxygen and the yellow Low Oxygen lights are either on or off.	O.C.I malfunction	Contact your supplier
E. Yellow Low Oxygen light is on or the intermittent audible Signal is sounding.	<p>1. Flow meter is not properly yet.</p> <p>2. Air intake filtering foam is blocked.</p> <p>3. Exhaust is blocked.</p>	<p>Ensure the flow meter is properly set to the prescribed.</p> <p>Check the Air intake filtering foam. If the filtering foam is dirty, wash it following the cleaning instructions.</p> <p>Check the exhaust area: make sure there is nothing restricting the unit exhaust.</p>



F. Red Service  
Required light is on  
and an intermittent  
audible signal is  
sounding.

1.Flow meter is not  
working properly yet.

2.Air filter is blocked.

3.Exhaust is blocked.

Ensure the flow meter is properly  
set to the prescribed level.

Please clean the filter's blockage,  
it there is any. Check whether the  
air filter is dirty, if dirty, please  
replace it ASAP.

Check the exhaust area to make  
sure that there is nothing  
restricting the unit exhaust.

If the machine is still not working properly, please contact the product supplier or a professional service provider.

### CHECK PACKAGE AND PACKING LIST

When you receive the product, please open the package carefully. This product is equipped with upper and lower foam protection cover, such as the protective cover is damaged, please immediately check whether the product is damaged or not. Then, check if there are any missing parts or accessories in the inspection of the packing list of the products.

#### Packing List

Number	Product / Component Name	Quantity	Unit
1	Oxygen Concentrator	1	Unit
2	Humidification Bottle	1	Piece
3	Nasal Oxygen Tube	1	Piece
4	Air intake filtering foam	1	Piece
5	User Manual	1	Piece

### CUSTOMER SUPPORT

#### CONTACT ADDRESS USA

Nureca INC.USA  
276 5th Avenue, Suite 704-397,  
New York (NY) - 10001, USA

#### INDIA

#### Corporate Office (Mumbai)

Nureca Limited  
128 Gala Number Udyog Bhavan,  
1st Floor Sonawala Lane, Goregaon East  
Mumbai City Maharashtra 400063

#### Contact us

India: +91-7527013265 /+91-9356658436

Website: [www.drtrust.in](http://www.drtrust.in)

Corp Website: [www.nureca.com](http://www.nureca.com)

Email: [customercare@nureca.com](mailto:customercare@nureca.com)

Connect with us on social networks

Facebook: @drtrust

Instagram: @drtrustisin

Youtube: NurecaUsa

COPYRIGHT©2021 NURECA LTD ALL RIGHTS RESERVED



Scan to View  
Product Demo Video  
[www.drtrustusa.com/1103](http://www.drtrustusa.com/1103)