



## Disinfection Kit Manual



# BEFORE YOU START

This User Manual is intended for healthcare professionals.

Read this User Manual including all warnings. Failure to do so may result in injury or increased risk of infection. In addition, watch the AIRVO 2 Video Guide. Keep them both in a safe place for future reference.

For further assistance, please contact your Fisher & Paykel Healthcare representative.

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# 1. OVERVIEW

The 900PT600 Disinfection Kit is used to achieve high-level disinfection of the AIRVO 2 / myAIRVO 2 humidifier outlet elbow.

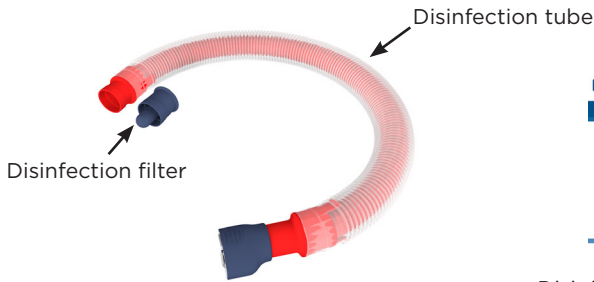
This manual itself describes the recommended reprocessing procedures to be carried out between patients, including cleaning, high-level disinfection using the supplied disinfection tube and filter, and correct storage.

## ⚠ WARNINGS

- This disinfection kit should only be used with the Fisher & Paykel Healthcare AIRVO 2 / myAIRVO 2 humidifier, hereafter referred to as “the unit”/“AIRVO 2”.

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## PACKAGE CONTENTS (900PT600)



Disinfection kit manual

Cleaning sponge-stick (x 2)



Clean Storage Cover (x 3)



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### AVAILABLE SEPARATELY

900PT602      Cleaning sponge-stick (20-pack)

900PT603      Clean storage cover (20-pack)

## 2. REPROCESSING PROCEDURES

The AIRVO 2 humidifier must be cleaned and disinfected between patients. This should take place as soon as possible after use. It is particularly important that the outlet elbow at the heated breathing tube connection port is cleaned and disinfected properly.



The following steps must be carried out between patients:

<b>Cleaning</b>	Clean outlet elbow and exterior surfaces with recommended cleaning agents, then wipe to remove any residue.
<b>High-level Disinfection</b>	Carry out disinfection cycle with disinfection tube.
<b>Storage</b>	Store AIRVO 2 appropriately.

Standard aseptic techniques to minimize contamination should be followed when handling the unit and accessories. This includes proper hand-washing, avoiding hand contact with connection ports, safe disposal of the used consumables and suitable storage of the unit after cleaning and disinfection.

Note: The use of protective gloves is strongly recommended.

### 3. CLEANING



This cleaning step aims to remove any physical debris from the outlet elbow (between the right-hand chamber port and the heated breathing tube connection port), before the disinfection cycle is carried out. It is important to carry out this cleaning step first to ensure that the disinfection cycle will be effective. In addition, it is important to clean the other outside surfaces of the unit.

Do not clean the left-hand chamber port.

#### **THE FOLLOWING EQUIPMENT IS REQUIRED:**

##### **Cleaning Sponge-Stick**

- Available from Fisher & Paykel Healthcare, 900PT602.



##### **Mild detergent**



##### **70% alcohol solution OR 70% alcohol wipes**

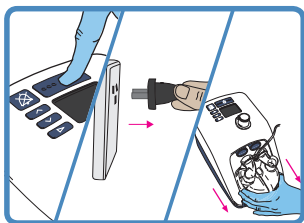


##### **Clean, disposable, lint-free cloths**



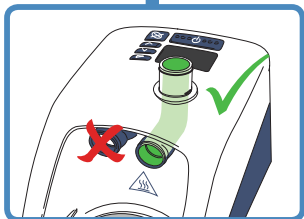
#### **⚠ WARNINGS**

- The products above have been tested by Fisher & Paykel Healthcare. If none of these are available, other cleaning agents may be used as long as they are pH-neutral, non-abrasive, non-toxic and non-corrosive. Do not use any cleaning agents incompatible with polycarbonate plastic (including, but not limited to, ammonia, ammonium hydroxide, caustic soda, iodine, methanol, methylated spirits, turpentine and alkaline bleaches such as sodium hypochlorite).
- Always remove any residue with a clean, damp, lint-free cloth.



## PREPARE THE AIRVO 2 FOR CLEANING

Switch off the unit and unplug from the power socket. Remove the water chamber and breathing tube and safely dispose of them.

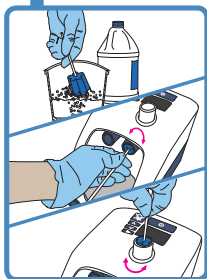


## CLEAN THE OUTLET ELBOW

You must physically clean the outlet elbow that connects the right-hand chamber port to the heated breathing tube connection port.

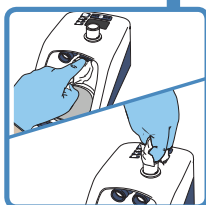
There are two options for cleaning the elbow:

- Using the cleaning sponge-stick (recommended), with a solution of warm water and mild detergent,
- OR,
- Using a clean, damp, disposable lint-free cloth, with a solution of warm water and mild detergent.



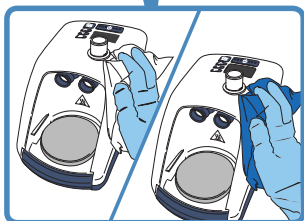
## USING THE CLEANING SPONGE-STICK

- Dip the cleaning sponge-stick in a solution of warm water and mild detergent.
- Thoroughly clean the outlet elbow from both ends, as far as possible, continuously rotating the sponge-stick.
- Ensure that all organic debris is removed.
- Rinse the cleaning sponge-stick under running water and, using the same rotating action, remove any residue from the outlet elbow.
- Discard the cleaning sponge-stick.



## USING A DISPOSABLE CLOTH

- Thoroughly clean the outlet elbow from both ends, as far as possible, continuously rotating the cloth with your finger.
- Ensure that all organic debris is removed.
- Repeat with a clean, damp, lint-free cloth to remove any residue.



## WIPE THE OUTSIDE SURFACES OF THE AIRVO 2

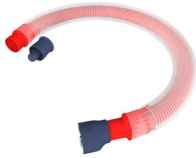
- Use an alcohol wipe, or apply alcohol solution to a clean, damp, disposable lint-free cloth, to wipe the outside surfaces of the unit. Let it air dry.
- If there is visible soiling (blood, mucus, etc), clean the outside surfaces of the unit with a cloth dipped in a solution of warm water and mild detergent. Use a clean, damp, disposable lint-free cloth to remove any residue, then complete the cleaning using the alcohol wipe or cloth.

## 4. HIGH-LEVEL DISINFECTION

This step involves running the AIRVO 2 disinfection cycle, using the red disinfection tube and blue disinfection filter from the AIRVO 2 Disinfection Kit 900PT600. This cycle should be carried out at the recommended ambient temperature and humidity levels (see below).

This cycle has been validated to achieve high-level disinfection, by heating the outlet elbow at the heated breathing tube connection port to at least 87 °C (189 °F) for at least 30 minutes.

To ensure that these conditions are met for every disinfection cycle, the AIRVO 2 logs time and temperature (from two independent sensors) throughout the cycle. A successful disinfection cycle is assured only when the countdown reaches zero.



### THE FOLLOWING EQUIPMENT IS REQUIRED:

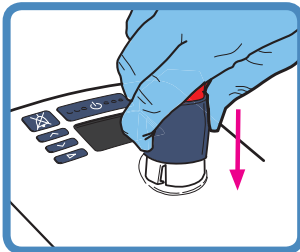
- Disinfection tube
- Disinfection filter

### OPERATING CONDITIONS:

- Ambient temperature: 18 - 30 °C (64 - 86 °F)
- Humidity: 60 - 95% RH

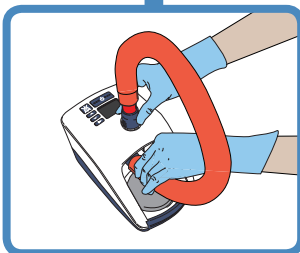
### ⚠ WARNINGS

- Disconnect any oxygen supply from the unit before starting the disinfection cycle.
- Do not operate the disinfection kit in a sterile room.
- Ensure that the external surfaces of the unit are dry before operating the disinfection kit.
- Do not modify the disinfection tube or filter in any way.
- Always switch off the unit when connecting or removing the disinfection tube.
- Never spray any sanitizing liquid or cleaning fluid into the disinfection tube.
- Covering any part of the disinfection tube or blocking the filter could result in serious damage to the unit.
- If the disinfection tube becomes damaged, a new kit must be ordered. Replacement filters are available separately.



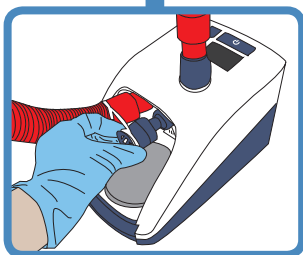
### 1. CONNECT THE RED DISINFECTION TUBE TO THE AIRVO 2

One end of the disinfection tube has a blue plastic connector. Lift the sleeve and slide the connector onto the unit. Push the sleeve down to lock.



Connect the red end of the disinfection tube to the left-hand chamber port as shown and push fully into position.





## 2. FIT THE BLUE FILTER

Fit the blue filter to the right hand chamber port as shown.

Push it firmly into position.



## 3. START THE DISINFECTION CYCLE

Connect the power cable to the mains power supply and start the disinfection cycle by holding the On/Off button for 3 seconds until the unit beeps.

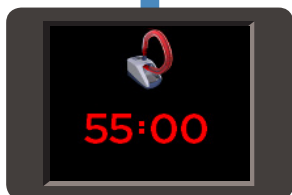
### ⚠ WARNINGS

- Disconnect any oxygen supply from the unit before starting the disinfection cycle.



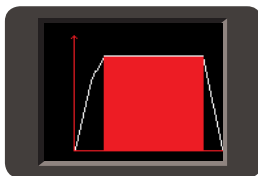
## 4. WARM-UP AND CALIBRATION

The unit will first go through a series of calibration checks for approximately 2 minutes, during which a warm-up symbol will be displayed on screen.



## 5. DURING DISINFECTION

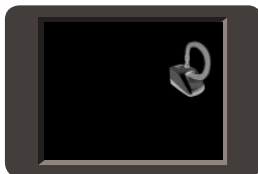
After a successful calibration, the disinfection cycle begins and runs for 55 minutes.



Press the Mode button at any time to view a graph of the current disinfection cycle.

The graph shows:

- Time (mins)
- Temperature (°C)



If no button has been pushed for 5 minutes, a screensaver will be launched.



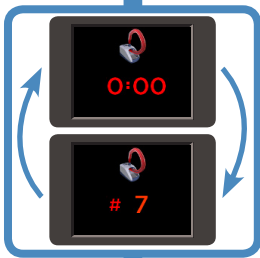
## 6. TROUBLESHOOTING



If a problem occurs during disinfection, the display will flash and the unit will start beeping. Switch the unit off and then restart. If the problem persists, note the fault code and contact your Fisher & Paykel Healthcare representative.



If oxygen is detected during disinfection, the "Disconnect oxygen" alarm will be generated and the disinfection cycle will be stopped.



## 7. AFTER DISINFECTION

After a successful disinfection, the display will reach zero as shown. This display will alternate with the current disinfection cycle number. See Section 6, "Disinfection History", for more information.



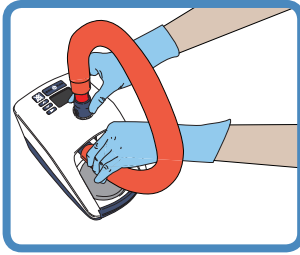
## 8. SWITCH OFF THE AIRVO 2

Switch off the unit and unplug from the power socket. The unit is now ready for storage.

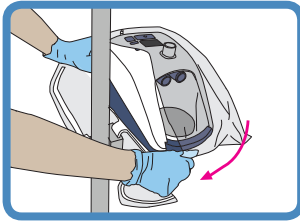
## 5. STORAGE

After the disinfection cycle, it is imperative that the unit is stored appropriately. This involves using the Clean Storage Cover (900PT603) or an alternative method which will keep the outlet elbow free from contamination while being stored between patients.

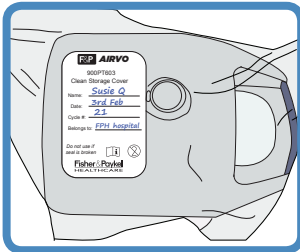
### USING THE CLEAN STORAGE COVER (900PT603)



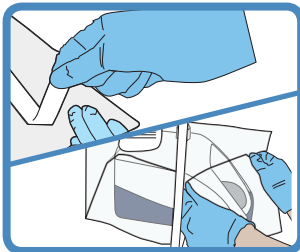
Remove the disinfection tube and filter from the AIRVO 2. To remove the disinfection tube, always push the sleeve up to avoid tube damage.



Wrap the AIRVO 2 in the Clean Storage Cover, such that the identification label sits prominently above the display and buttons of the AIRVO 2.



To record the previous disinfection process: Fill in the details on the identification label.



Seal the Clean Storage Cover with the adhesive tabs.

After the unit is sealed:

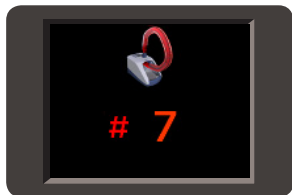
Store the unit and disinfection kit in an area suitable for medical devices, which is clean, dry and dust-free.

### ALTERNATIVE STORAGE METHOD

If the Clean Storage Cover is not used, the alternative storage method is to leave the disinfection tube and filter attached to the AIRVO 2. Store the unit (with disinfection tube and filter attached) in an area suitable for medical devices, which is clean, dry and dust-free.

## 6. DISINFECTION HISTORY

The disinfection cycle number is a unique number that can be recorded for keeping a log of disinfection cycles.



### AFTER EACH DISINFECTION CYCLE

The first time that the disinfection cycle is successfully completed, “#1” will be displayed. This number will increment by 1 after each successful disinfection cycle.

#7 indicates that seven successful disinfection cycles have been carried out on this AIRVO 2.

### AT AIRVO 2 STARTUP

When the AIRVO 2 is switched on for patient use, the following is displayed onscreen:

- a traffic light symbol (explained below)
- the disinfection cycle number from the last successful disinfection cycle.
- the time, in days and hours, since the last successful disinfection cycle.

*If this is the first switch-on after a successful disinfection cycle:*

A green traffic light will be displayed.

This AIRVO 2 is safe for use on a new patient.



*If this is NOT the first switch-on after a successful disinfection cycle:*

An orange traffic light will be displayed.

This AIRVO 2 is NOT safe for use on a new patient.



## 7. SYMBOL DEFINITIONS



ATTENTION  
Consult  
accompanying  
documents



Do not  
throw away

CE 0123

93/42/EEC  
Class IIa

For more information please contact  
your local Fisher & Paykel Healthcare representative

**Manufacturer** 

Fisher & Paykel Healthcare Ltd  
15 Maurice Paykel Place  
East Tamaki, Auckland 2013

PO Box 14 348, Panmure  
Auckland 1741  
New Zealand

Tel: +64 9 574 0100  
Fax: +64 9 574 0158  
Email: [info@fphcare.com](mailto:info@fphcare.com)  
Web: [www.fphcare.com](http://www.fphcare.com)

**Australia**

Fisher & Paykel Healthcare Pty Limited  
36-40 New Street,  
PO Box 167  
Ringwood, Melbourne  
Victoria 3134, Australia  
Tel: +61 3 9879 5022  
Fax: +61 3 9879 5232

**Austria**

Tel: 0800 29 31 23  
Fax: 0800 29 31 22

**Benelux**

Tel: +31 40 216 3555  
Fax: +31 40 216 3554

**China**

Tel: +86 20 3205 3486  
Fax: +86 20 3205 2132

**France**

Tel: +33 1 6446 5201  
Fax: +33 1 6446 5221

**Germany**

Tel: +49 7181 98599 0  
Fax: +49 7181 98599 66

**India**

Tel: +91 80 4284 4000  
Fax: +91 80 4123 6044

**Irish Republic**

Tel: 1800 409 011

**Italy**

Tel: +39 06 7839 2939  
Fax: +39 06 7814 7709

**Spain**

Tel: +34 902 013 346  
Fax: +34 902 013 379

**Sweden**

Tel: +46 8 564 76 680  
Fax: +46 8 36 63 10

**Switzerland**

Tel: 0800 83 47 63  
Fax: 0800 83 47 54

**Taiwan**

Tel: +886 2 8751 1739  
Fax: +886 2 8751 5625

**Turkey**

Fisher Paykel Sağlık Ürünleri Ticaret  
Limited Şirketi,  
Alinteri Bulvari 1161/1 Sokak No. 12-14,  
P.O. Box 06371 Ostim,  
Ankara, Turkey  
Tel: +90 312 354 34 12  
Fax: +90 312 354 31 01

**UK** 

Fisher & Paykel Healthcare Ltd  
Unit 16, Cordwallis Park  
Clivemont Road, Maidenhead  
Berkshire SL6 7BU, UK  
Tel: +44 1628 626 136  
Fax: +44 1628 626 146

**USA/Canada**

Tel: +1 800 446 3908  
or +1 949 453 4000  
Fax: +1 949 453 4001