



User Manual





SECTION

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BEFORE YOU START

- This User Manual is intended for healthcare professionals.
- This User Manual applies to AIRVO 2 units with LOT numbers 130621 and above.
- Read this User Manual including all warnings. Failure to do so may result in injury. In addition, watch the AIRVO 2 Video Guide. Keep them both in a safe place for future reference.
- Before the AIRVO 2 is used for the first time, it must be set up according to the instructions in the AIRVO 2 Technical Manual.
- The AIRVO 2 must be cleaned and disinfected between patients according to the instructions in the Disinfection Kit Manual (900PT600).
- For further assistance, please contact your Fisher & Paykel Healthcare representative.

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1. OVERVIEW

The AIRVO 2 is a humidifier with integrated flow generator that delivers high flow warmed and humidified respiratory gases to spontaneously breathing patients through a variety of patient interfaces.

INTENDED USE

The AIRVO 2 is for the treatment of spontaneously breathing patients who would benefit from receiving high flow warmed and humidified respiratory gases. This includes patients who have had upper airways bypassed. The flow may be from 2 - 60L/min depending on the patient interface. The AIRVO 2 is for patients in hospitals and long-term care facilities.

USA Federal Law restricts this unit for sale by or on the order of a physician.

<u>∧</u>WARNINGS

- Nasal delivery of respiratory gases generates flow-dependent positive airway pressure (PAP). This must be taken into account where PAP could have adverse effects on a patient.
- The unit is not intended for life support.

To avoid burns:

- The unit should only be used with interfaces, water chambers and breathing tubes specified in this user manual.
- Using the breathing tube or interface for longer than the specified time can result in serious injury including infection.
- Before using oxygen with the unit, read all warnings in the "Oxygen" section of this manual.
- Never operate the unit if:
 - the heated breathing tube has been damaged with holes, tears or kinks,
 - it is not working properly,
 - the case screws have ever been loosened.
- Do not block the flow of the air through the unit and breathing tube.
- The unit should be located in a position where ventilation around the unit is not restricted.
- Never block the air openings of the unit or place it on a soft surface such as a bed or couch/sofa, where the filter area may be blocked. Keep the air openings free of lint, hair etc.

To avoid electric shock:

- Do not store or use the unit where it can fall or be pulled into water. If water has entered the unit enclosure, disconnect the power cord and discontinue use.
- Never operate the unit if:
 - it has been dropped or damaged,
 - it has a damaged power cord or plug,
 - it has been dropped into water.
- Avoid unnecessary removal of the power cord from the rear of the device. If removal is necessary, hold the connector during removal. Avoid pulling on the power cord.
- Return the unit to an authorized service center for examination and repair, except as outlined in this manual.

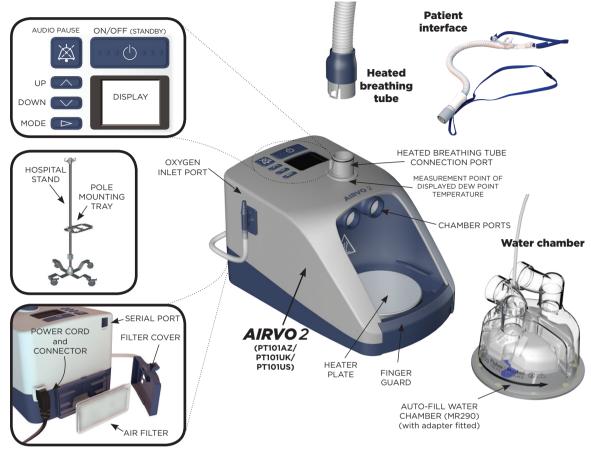
To avoid choking, or inhalation of a foreign object:

- Ensure an air filter is fitted when operating your unit.
- Never drop or insert any object into any opening or tube.

Miscellaneous:

- Do not use the unit when the room temperature exceeds 30°C (86°F) or is below 10°C (50°F) as the unit may switch off. Humidity output will be compromised below 18°C (64°F) and above 28°C (82°F).
- The unit is not suitable for use in the presence of a flammable, anesthetic mixture with air or oxygen or nitrous oxide.

AIRVO 2 AND ACCESSORIES



	Tube & chamber kits and patient interfaces					
7	Tube & chamber kit			Interfaces		
900PT531 Heated breathing tube, MR290 auto-fill chamber and → adapter (10-Pack)		OPT316 OPT318	Nasal Cannula - Infant (20-Pack) Nasal Cannula - Pediatric (20-Pack)			
900PT501	Heated breathing tube, MR290 auto-fill chamber and adapter (10-Pack)	<i>→</i>	OPT842 OPT844 OPT846 OPT870 RT013	Nasal Cannula - Small (20-Pack) Nasal Cannula - Medium (20-Pack) Nasal Cannula - Large (20-Pack) Tracheostomy Direct Connection (20-Pack) Mask Interface Adapter - 22mm (20-Pack)		

	Cleaning and Disinfection		Miscellaneous
900PT600 900PT601 900PT602 900PT603	Disinfection Kit Disinfection Filter (2-Pack) Cleaning Sponge-Stick (20-Pack) Clean Storage Cover (20-Pack)	900PT405 900PT421 900PT422 900PT912 900PT913 OPT012	Pole mounting tray Hospital stand Oxygen inlet extension kit Filter holder Air filter (2-Pack) Wigglepads (OPT316/OPT318) (20-pack)

OPT014

Oxygen Tubing (Optiflow Junior)

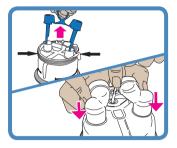
English

2. SETTING UP AIRVO 2

1. BEFORE YOU BEGIN

The AIRVO 2 should be fixed on a pole mounting tray (900PT405) below patient head height.

Open the packaging of the tube & chamber kit (heated breathing tube, MR290 auto-fill chamber and adapter).



2. INSTALL WATER CHAMBER

Remove the blue port caps from the chamber by pulling the tear tab upwards then remove the bracket holding the water supply tube. Fit the supplied adapter over the two vertical ports on the chamber and push on fully then clip the water supply tube into position.



Fit the water chamber to the unit by pressing down the finger guard and sliding the chamber on, carefully aligning with the blue chamber port ends.

Push the chamber on firmly until the finger guard clicks into place.

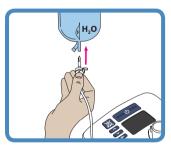
∆WARNINGS

- To avoid burns:
- Do not start the unit without the water chamber in place.
- The water in the chamber becomes hot during use. Exercise caution when removing and emptying the chamber.
- Do not touch the heater plate, water chamber or chamber base during use. *To avoid electric shock:*
- When handling the unit with the water chamber in place, avoid tilting the machine to prevent any chance of water entering the unit enclosure.
- Empty all the water from the water chamber before transporting the unit. $\triangle CAUTIONS$

<u>/\</u>CAUTIONS

To ensure optimal therapy (MR290 only):

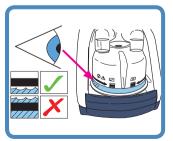
• Do not use the auto-fill MR290 chamber if it has been dropped, or been run dry and the "water out" alarm has been activated.



3. CONNECT WATER BAG

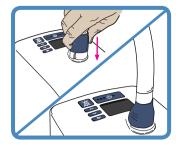
Attach the sterile water bag to the hanging bracket 20cm (8") above the unit, and push the bag spike into the fitting at the bottom of the bag. Open the vent cap on the side of the bag spike. The chamber will now automatically fill to the required level and maintain that level until the water bag is empty.

To ensure continual humidification, always ensure that the water chamber and/or water bag are not allowed to run out of water.



Check that water flows into the chamber and is maintained below the fill line. If the water level rises above the fill line, replace the chamber immediately.

M	IR290): Flo	w set	ting	vs us	age t	ime (2-litr	e stei	rile w	ater l	bag)	
L/min	2	5	10	15	20	25	30	35	40	45	50	55	60
hrs	379	152	76	51	38	30	25	22	19	17	15	14	13



4. INSTALL HEATED BREATHING TUBE

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

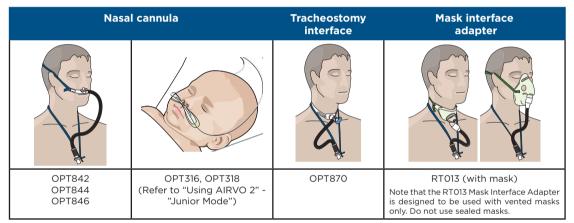
∕∆WARNINGS

To avoid burns:

- Do not modify the breathing tube or interface in any way.
- Do not allow the breathing tube to remain in direct contact with skin for prolonged periods of time.
- Adding heat, above ambient levels, to any part of the breathing tube or interface e.g. covering with a blanket, or heating it in an incubator or overhead heater for a neonate, could result in serious injury.
- Do not use an insulating sleeve or any similar accessories which are not recommended by Fisher & Paykel Healthcare.
- *∕\CAUTIONS*
- Position the heated breathing tube away from any electrical monitoring leads (EEG, ECG/EKG, EMG, etc), to minimize any possible interference with the monitored signal.

5. SELECT PATIENT INTERFACE

The AIRVO 2 can be used with a variety of patient interfaces. Read the separate user instructions for the patient interface that will be used, including all warnings.



The following table shows the target dew-point temperature settings and target flow settings able to be used with these interfaces.

				J	°C					/ا	min		
			31	34	37	2	5	10	15	20	25·	55	60
900PT531	OPT316 OPT318	💰 🏀		•		2				20	25		
900PT501	OPT842 OPT844 OPT846 OPT870 RT013	S S L	•	•	••••			10 10 10 10			5	50)	60 60 60

Low temperature ambient conditions may prevent the unit from reaching a 37 °C target temperature setting at high target flow settings. In these cases, consider decreasing the target flow setting.

/\WARNINGS

To avoid burns:

- Do not modify the breathing tube or interface in any way.
- Do not use any patient interfaces not listed here.

3. USING AIRVO 2



1. SWITCH ON UNIT

Plug the unit's power cord into the mains power supply. The connector at the other end of the power cord should be well secured to the rear of the unit.

WARNINGS

To avoid electric shock:

• Ensure that the unit is dry before plugging into the power socket.

Switch on the unit by pressing the On/Off button.

Last **Disinfection:** #16

2. CHECK DISINFECTION STATUS

The unit will show you whether it is safe for use on a new patient.



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

This AIRVO 2 has not been cleaned and disinfected since last use. This AIRVO 2 is NOT safe for use on a new patient.

3. WARM-UP

The unit will begin to warm up. You will see numbers showing the current output dew-point temperature, flow and oxygen values. These numbers will pulse until they approach their target settings. This screen is called the "Summary screen".

4. JUNIOR MODE

If the patient will be using an Optiflow Junior nasal cannula (OPT316/ OPT318), you must activate Junior Mode.

Junior Mode limits the target settings to: 34 °C and 2 - 25 L/min, in increments of 1 L/min.



To activate Junior Mode:

Hold the Mode button for 5 seconds.

New target settings

The target settings for dew-point temperature and flow will be changed automatically. The colorful icons in the corners of the screen indicate that this unit is in Junior Mode.

To deactivate Junior Mode, follow the same procedure: hold the Mode button for 5 seconds.



5. CONFIGURE TARGET SETTINGS

Press the Mode button to view target settings.

These settings are locked by default.

TARGET DEW-POINT TEMPERATURE

You can set the AIRVO 2 to three target dew-point temperature settings:

- 37°C (98.6°F)
- 34°C (93°F) [if compliance at 37°C is a problem]
- 31°C (88°F) [for face masks only].

You may not have access to all settings, if:

- the unit is in Junior Mode (limited to 34 °C),
 the unit was initially set up with tighter limits
 - the unit was initially set up with tighter limits.

The AIRVO 2 will return to its default setting (37°C) after every disinfection cycle.

To change the target

 dew-point temperature setting:

 Hold the Up and Down buttons for 3 seconds to "unlock" the setting.

 The lock will disappear and be replaced by an arrow showing the minimum and maximum accessible settings. Press the Up and Down buttons to choose the new setting.

 When you have finished, press the Mode button to 'lock' the setting again.

 The lock will reappear.

 The lock will reappear.

designed for use when transporting patients. For more information, refer to REF 185048130. To deactivate Transport Mode, follow the same procedure: hold the "Audio pause" button for 5 seconds.



Press the Mode button to move on to the next screen.

TARGET FLOW

You can set the AIRVO 2 to flows between 10 L/min and 60 L/min, in increments of 1 L/min (10-25 L/min) and 5 L/min (25-60 L/min).

- You may not have access to all settings, if:
- the unit is in Junior Mode (limited to 2 25 L/min, in increments of 1 L/min),
- the unit was initially set up with tighter limits.

The AIRVO 2 will remember its target flow setting when you switch it off.

To change the target flow setting:

Follow the same sequence of steps as above in "To change the target dew-point temperature setting".





Press the Mode button to move on to the next screen.

OXYGEN

You can connect supplementary oxygen to the AIRVO 2 (up to 60 L/min). The AIRVO 2 contains an oxygen analyzer to help you determine the oxygen fraction you are delivering to the patient. Your unit may have been initially set up with tighter limits.

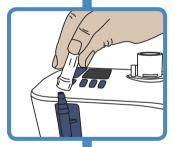
Use continuous oxygen monitoring on patients who would desaturate significantly in the event of disruption to their oxygen supply.

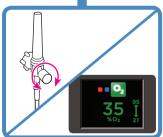
Before using the AIRVO 2 with oxygen, read all of the following warnings:

- The use of oxygen requires that special care be taken to reduce the risk of fire. Accordingly, for safety it is necessary that all sources of ignition be kept away from the unit and preferably out of the room in which it is being used. Oxygen should not be used while smoking or in the presence of an open flame. The unit should be located in a position where ventilation around the unit is not restricted.
- 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 all oxygen equipment.
- Ensure that the AIRVO 2 is switched on before connecting oxygen.
- Oxygen must only be added through the special oxygen inlet port on the back
 of the unit. To ensure that oxygen enters the unit correctly, the oxygen inlet port
 must be fitted properly to the filter holder and the filter holder must be fitted
 properly to the unit. The power cord connector should also be well secured.
- Do not connect more than 60L/min O2 to the oxygen inlet port on the back of the unit.
- The oxygen concentration delivered to the patient can be affected by changes to the flow setting, oxygen setting, patient interface or if the airpath is obstructed.
- When finished, turn off the oxygen source. Remove the output of the oxygen source from the oxygen inlet port on the back of the unit. The oxygen flow must be turned off when the unit is not operating, so that oxygen does not build up inside the device.
- The oxygen analyzer within the AIRVO 2 uses ultrasonic measurement technology. It does not require in-field calibration. It is designed for use with pure oxygen connecting any other gases or mixtures of gases will cause it to function incorrectly.

CONNECT OXYGEN

Connect the output from the oxygen source to the oxygen inlet port on the back of the unit. Make sure you push the oxygen tube firmly onto this connection port.







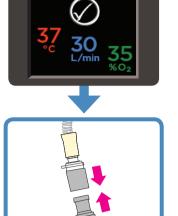
ADJUST OXYGEN

Adjust the level of oxygen from the oxygen source, until the desired oxygen fraction is displayed onscreen. It may take the reading several minutes to settle. You can set the oxygen fraction between the maximum and minimum values displayed above and below the arrow. If the oxygen fraction exceeds 95%, the oxygen reading will pulse red and the device will beep.

WARNINGS

- Note that if the patient's peak inspiratory demand exceeds the flow delivered by the unit, the fraction of oxygen inspired by the patient will be lower than the value shown onscreen, due to the additional entrainment of ambient air.
- Check that suitable blood saturation levels are achieved at the prescribed flow.

Press the Mode button to return to the Summary screen.



6. CONNECT YOUR PATIENT

Wait until the "Ready for use" symbol is displayed on the Summary screen.



"Ready for use" symbol

Connect the patient interface to the heated breathing tube. Monitor the flow and oxygen values displayed on the Summary screen. Adjust the level of oxygen from the oxygen source as necessary. When the patient first uses the unit, the air will feel warm. This is normal. The patient should continue to breathe normally through the nose and/or mouth, or tracheostomy.



7. DURING USE

If the "Ready for use" symbol has been displayed for 1 minute and no button has been pushed in this time, a screensaver will be launched.



If excess condensate accumulates in the heated breathing tube, drain by lifting the patient end of the tube, allowing the condensate to run into the water chamber.



8. AFTER USE Switch off the unit by pressing the On/Off button.

ALARMS

The AIRVO 2 has visual and auditory alarms to warn you about interruptions to your patient's treatment. These alarms are generated by an intelligent alarm system, which processes information from the sensors and target settings of the unit and compares this information to pre-programmed limits.

ALARM SIGNALS

	Symbols	Meaning
Visual alarm signal		
		Alarm condition.
(message)	A	Audio paused.
Auditory alarm signal		
3 beeps in 3 seconds. Repeated every 5 seconds.	×	Press this button to mute the auditory alarm for 115 seconds. The auditory alarm can be reactivated by pressing this button again.

ALARM CONDITIONS

All of the alarms listed below have been assessed as "Medium Priority". These priorities have been allocated for an operator's position within 1 meter of the device. The unit also uses an internal priority-ranking system. If multiple alarm conditions occur simultaneously, the unit will display the highest-priority alarm.

The following table lists all of the alarm conditions from highest-priority to lowest priority, their causes, possible solutions and delays. Alarm conditions that affect oxygen delivery require an immediate response to assess the patient's saturation levels. Alarm conditions that affect humidity delivery require a prompt response to assess potential drying of mucus and associated blockages.

Message	Meaning	Affects delivery of:	Delays
Fault (E###)	The unit has detected an internal fault and has shut itself down. Switch the unit off and then restart. If the problem persists, note the fault code and contact your Fisher & Paykel Healthcare representative.	Oxygen, humidity.	< 5 seconds
Check tube	The unit cannot detect the heated breathing tube. Check that the heated breathing tube is not damaged and that it is plugged in correctly. If the problem persists, then change the heated breathing tube.	Oxygen, humidity.	< 5 seconds
Check for leaks	The unit has detected a leak in the system. The most likely cause is that the water chamber has been removed or has not been pushed into place correctly. Check that the heated breathing tube is not damaged and that it is plugged in correctly. Check that the nasal interface is fitted. Check that the filter is fitted.	Oxygen, humidity.	< 5 seconds
Check for blockages	The unit has detected a blockage in the system. Check the heated breathing tube or patient interface for blockage. Check the air filter and filter holder for blockage. Check whether the unit should be in Junior Mode. If the patient will be using an Optiflow Junior nasal cannula (OPT316/OPT318), you must activate Junior Mode.	Oxygen, humidity.	< 10 seconds
O ₂ too low	The measured oxygen level has fallen below the allowed limit. Check that the oxygen source is still correctly connected. Adjust the level of oxygen from the oxygen source as necessary.	Oxygen	< 20 seconds
O ₂ too high	The measured oxygen level has exceeded the allowed limit. Adjust the level of oxygen from the oxygen source as necessary.	Oxygen	< 20 seconds

(continued)			
Message	Meaning	Affects delivery of:	Delays
Cannot reach target flow	The unit cannot reach the target flow setting. Check the heated breathing tube or patient interface for blockage. Check whether the target flow setting is too high for the patient interface being used (refer to "Setting up AIRVO 2" - "Select Patient Interface"). The unit will choose appropriate new target settings. You will be prompted for acknowledgement. MWARNINGS	Oxygen	10 +/- 1 minutes
	 The oxygen concentration delivered to the patient can be affected by changes to the flow setting. Adjust the level of oxygen from the oxygen source as necessary. 		
Check water	The chamber has run out of water. When a chamber runs dry, the chamber float may be damaged. Replace the chamber and water bag. [Twenty seconds after the chamber is		<i>Flows above 20 L/min:</i> < 20 minutes
	removed, the "Check for leaks" alarm is activated (see above). When the chamber is replaced, the unit enters Warm-up Mode and resumes normal operation.] To ensure continual humidification, always ensure that the water chamber and/or water bag are not allowed to run out of water.	Humidity	Flows of and below 20 L/min: < 40 minutes
Cannot reach target temperature	The unit cannot reach the target temperature setting. You will be prompted for acknowledgement. The most likely cause for this is that the unit is operating at a high flow rate in low ambient conditions. Consider decreasing the target flow setting. WARNINGS • The oxygen concentration delivered to the patient can be affected by	Humidity	30 +/- 3 minutes
	 The oxygen concentration delivered to the patient can be affected by changes to the flow setting. Adjust the level of oxygen from the oxygen source as necessary. 		
Check operating conditions	The unit has detected that it is operating in unsuitable ambient conditions. Do not use the device when the ambient temperature is less than 10°C. Do not use the device when the ambient temperature is greater than 30°C. This alarm may be caused by a sudden change in ambient conditions (eg. storing the unit in a cold place then using it in a warm place). Leave the unit running for 30 minutes. Switch the unit off and then restart.	Humidity	60 +/- 6 seconds
[Power out]	The unit has been disconnected from the mains power supply. No visual alarm. The auditory alarm will sound for 120 seconds.	Oxygen, humidity.	< 5 seconds

ALARM LIMITS

Most alarm limits are pre-programmed. The exceptions are listed below. These alarm limits may be changed to other values by authorized personnel. Changes will be preserved during or after any power loss.

Alarm condition	Factory-set alarm limit	Possible preset values
O ₂ too low	21% O ₂	21 - 25% O ₂
O ₂ too high	95% O ₂	30 - 100% O ₂

<u>//</u>WARNINGS

• A hazard can exist if different alarm presets are used on different units within any single area, eg. an intensive care unit.

Alarm limits set to extreme values can render the alarm system useless.

CHECKING ALARM SYSTEM FUNCTIONALITY

The functionality of the alarm system can be checked at any time when the unit is turned on.

Remove the heated breathing tube. You should see the "Check tube" visual alarm signal and hear the auditory alarm signal. If either alarm signal is absent, do not use the unit. Contact your Fisher & Paykel Healthcare representative.

AUDITORY INFORMATION SIGNALS

In addition to auditory alarm signals, auditory information signals are provided. These are described below.

Melody	Meaning
Ascending sequence of 5 tones	The "Ready for use" symbol has appeared
Ascending sequence of 3 tones	Activation/deactivation of Junior Mode
Single tone every 5 seconds	Measured oxygen level > 95%, OR, Measured oxygen level > 32% at turn-off

4. REPROCESSING

The AIRVO 2 must be cleaned and disinfected between patients according to the instructions in the Disinfection Kit Manual (900PT600).

This should take place as soon as possible after use. The unit utilizes warmed water and can pose a risk of bacterial colonization and patient infection if cleaning, disinfection and replacement procedures are not followed.

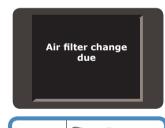
Standard aseptic techniques to minimize contamination should be followed when handling the unit and accessories. This includes proper hand-washing, avoiding hand contact with connection ports, safe disposal of the used consumables and suitable storage of the unit after cleaning and disinfection.

SCHEDULE FOR CHANGING ACCESSORIES

The accessories for the unit must be changed frequently to avoid the risk of infection. Parts should be replaced immediately if they are damaged or discolored; otherwise they must be replaced within the periods shown in the following table.

Maximum period of use	Part number and description
1 week (single-patient use)	All patient interfacesOPT316Nasal Cannula - InfantOPT318Nasal Cannula - PediatricOPT842Nasal Cannula - SmallOPT844Nasal Cannula - MediumOPT846Nasal Cannula - LargeOPT870Tracheostomy InterfaceRT013Mask Interface Adapter - 22mm
2 weeks (single-patient use)	All tube & chamber kits 900PT501 Heated breathing tube, MR290 auto-fill chamber and adapter 900PT531 Heated breathing tube, MR290 auto-fill chamber and adapter (for use with OPT316/318 only)
3 months or 1000 hours	900PT913 Air filter (or more often if significantly discolored)

FILTER REPLACEMENT



If the unit tells you that a filter change is due:

- 1. Take the filter holder from the back of the unit and remove the filter.
- 2. Replace the old filter with a new one.
- 3. Reattach the filter holder to the unit (clip the bottom of the filter holder in first, then rotate it upwards until the top clips into place).
- 4. Press the Mode button to move on to the next screen.

SERVICING This device contains no serviceable parts.

5. TECHNICAL INFORMATION

SYMBOL DEFINITIONS

<u></u>	
Caution	

★ Type BF Hot Surfaces Applied Part



Drip Proof Do not throw away

4

IPX1

X

Alternating Current



C€ 0123 93/42/FEC

Ċ

Powe

On/Off Class IIa (Standby)

PRODUCT SPECIFICATIONS

Dimensions	295 mm x 170 mm x 175 mm (11.6" x 6.7" x 6.9")	Humidity	>33 mg/L at 37 °C target >10 mg/L at 34 °C target >10 mg/L at 31 °C target
Weight	2.2 kg (4.8 lb) unit only, 3.4 kg (7.5 lb) packaged in bag incl. accessories	Maximum temperature of delivered gas	43 °C (109 °F)
Supply frequency	50-60 Hz	Maximum flow range (default)	10-60 L/min
Supply voltage/current	100-115 V 2.2 A (2.4 A max) 220-240 V 1.8 A (2.0 A max)	Maximum flow range (Junior Mode)	2-25 L/min
Sound pressure level	Alarms exceed 45dbA @ 1 m	Maximum oxygen input 60 L/min	
Auditory alarm pause	115 seconds		·
Serial port The serial port is used for downloading product data, using F&P Infosmart™ software.		Warm-up time	10 minutes to 31 °C (88 °F), 30 minutes to 37 °C (98.6 °F) using a MR290 chamber with flow rate of 35 L/min and starting temperature 23 ± 2 °C (73 ± 3 °F)
		Oxygen analyzer accuracy	< \pm (2.5% + 2.5% of gas level) (within the range 25-95% O ₂) Operating conditions: 18-28 °C (64-82 °F), 30-70% RH

Designed to conform to the requirements of:

IEC 60601-1 UL 60601-1 CSA C22.2/No. 601.1 AS 320010 EN 60601-1

The unit complies with the electromagnetic compatibility requirements of IEC 60601-1-2. In certain circumstances, the unit may affect or be affected by nearby equipment due to the effects of electromagnetic interference. If this should happen, try moving the unit or the location of the unit causing interference, or alternatively consult your healthcare provider.

Accessory equipment connected to the serial port of the device must be certified to either IEC 60601-1 or IEC 60950-1. Furthermore all configurations shall comply with the system standard IEC 60601-1-1. Anyone who connects additional equipment to the signal input part or signal output part configures a medical system and is therefore responsible for ensuring that the system complies with the requirements of the system standard IEC 60601-1-1. If in doubt, consult the technical services department or your local representative.

OPERATING CONDITIONS

Ambient temperature	18 - 28 °C (64 - 82 °F)
Humidity	10 - 95% RH
Altitude	0 - 2000 m (6000 ft)
Mode of operation	Continuous operation

STORAGE AND TRANSPORT CONDITIONS

The unit should be stored and transported in environmental conditions of -10 °C to 60 °C (14 °F to 140 °F), 10 to 95% RH, non-condensing.

DISPOSAL INSTRUCTIONS



Unit Disposal Instructions

This unit contains electronics. Please do not discard with regular waste. Return to Fisher & Paykel Healthcare or dispose according to local guidelines for disposing of electronics. Dispose according to Waste Electrical and Electronic Equipment (WEEE) directive in European Union.

Consumables Disposal Instructions

Place the interface, breathing tube and chamber in a waste bag at the end of use. Hospitals should discard according to their standard method for disposing of contaminated product.

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

Manufacturer

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