# RESMED

## PRINTED MATERIAL SPECIFICATION

DOC NO	30810
PAGE	1 of 30
REV	4

Date		Rev	Created or revised by			Change note/details		REV	4		
25/10/0	2	4	Sue Geercke		C7858						
	Drn	Proj Ldr	Mkt	Mech	Elec	Prod	Clin	Test	RA	QC	QA
Init	SG										
Date											

#### **HUMIDAIRE 2I USER'S MANUAL ROW ENG**

#### 1. DETAILS

**External Printing:** Dimensions: A5 Portrait (210 H x 148 W)mm ± 2mm.

Style: Printed double-sided on A4, folded, bound and trimmed to make A5 portrait

sized booklet.

Colour: Print black only. Stock: 80 gsm matt art.

**Cover:** 4 colour cover, design according to spec no. 101656. Over-printed in black ink to add title to outside front cover. Inside front cover and both sides of back

cover are blank. Colour of printing: Black.

**Inhouse Printing:** Dimensions: A5 Portrait (210 H x 148 W)mm ± 2mm

**Style:** Printed double-sided on A4, stapled top left corner (including cover)

Colour: Print black only Stock: 80 gsm matt art.

Artwork: As shown on following pages. If re-typeset, the same styles and sizes must be

maintained. Number of pages: 29

Special Instructions: See BOM for details of documents to be added to manual and binding instruc-

tions. Refer to individual specs for each document for printing details.

**Manufacturer:** Small quantities may be printed in-house and large quantities externally.

#### 2. SAMPLING, INSPECTION & TESTING

Refer R04 P 003; Sampling Regimen A. Refer to approved sample.

Note: Revision number on the artwork to read, 30810/4 02 10

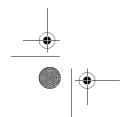
#### **Defects to be inspected:**

- 1. Specification and revision number
- 2. Incorrect text
- 3. Inserted pages are as listed on the BOM
- 4. Incorrect text on inserted pages
- 5. Text missing or crooked on page
- 6. Pages missing or out of order
- 7. Dimensions out of tolerance (refer to details above)
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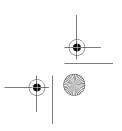


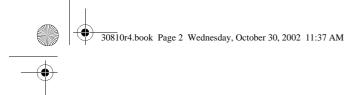
# HUMIDAIRE® 2i™ USER'S MANUAL

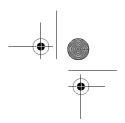
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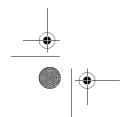


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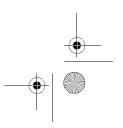


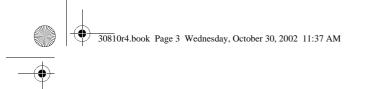
# HUMIDAIRE® 2i™ USER'S MANUAL

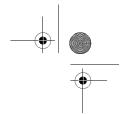
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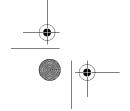


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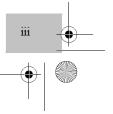
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INTRODUCTION



## Introduction

The ResMed HUMIDAIRE® 2i™ is designed to humidify the air delivered to the airway during continuous positive airway pressure (CPAP) therapy.

Nasal congestion or dryness of the nose, mouth or throat may be experienced during therapy. These symptoms are caused by dry climates, cold air temperatures, the airflow delivered from the CPAP system and mouth leak. Moist air helps relieve symptoms of dryness and can make therapy more comfortable.

The HUMIDAIRE 2i is designed to integrate with the AUTOSET® SPIRIT™ to form a single heated humidification and CPAP unit. The HUMIDAIRE 2i adds moisture to the air generated from the AUTOSET SPIRIT unit to improve the comfort and quality of therapy.

#### **DEFINITIONS**

This manual contains special terms and icons that appear in the margins to draw your attention to specific and important information.



#### **WARNING**

Alerts you to possible injury.



#### **CAUTION**

Explains special measures for the safe and effective use of the device.

**Note:** Is an informative or helpful note.

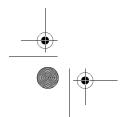


The user or owner of this system shall have sole responsibility and liability for any injury to persons or damage to property resulting from:

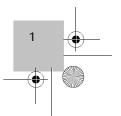
- operation which is not in accordance with the operating instructions supplied
- maintenance or modifications carried out unless in accordance with authorised instructions and by authorised persons.

Please read this manual carefully before use.

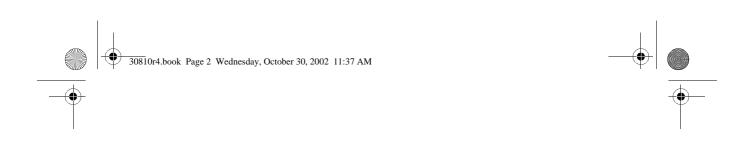




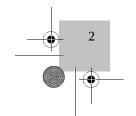




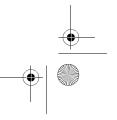
















MEDICAL INFORMATION





#### INTENDED USE

The HUMIDAIRE 2i is indicated for humidification of the air delivered from the ResMed AUTOSET SPIRIT system. The HUMIDAIRE 2i is for use only as recommended by a physician.

#### **CONTRAINDICATIONS**

The HUMIDAIRE 2i is contraindicated for use with patients whose supraglottic airways have been bypassed.

Please also refer to the relevant system manual for contraindications associated with CPAP and autotitrating therapy.

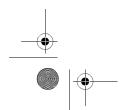
#### WARNINGS AND CAUTIONS

The following are general warnings and cautions. Specific warnings and cautions appear next to the relevant instructions in the manual.

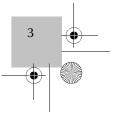


#### **WARNINGS**

- Use the HUMIDAIRE 2i only for its intended use as described in this manual.
  - The HUMIDAIRE 2i is designed for use with the AUTOSET SPIRIT only. Do not use the HUMIDAIRE 2i with any other systems.
  - The HUMIDAIRE 2i should only be used with delivery tubes or accessories specified in this manual. Connection of other delivery tubes or accessories could result in injury, or damage to the device.
  - The HUMIDAIRE 2i, including the associated tubing, is for single-patient use and must not be re-used on another person. This is to avoid the risk of cross-infection.
  - Always place the HUMIDAIRE 2i device lower than the level of the patient. If it is placed at or above the level of the patient, heated water may flow down the air tubing and into the mask.
  - Do not attempt to dismantle the HUMIDAIRE 2i docking station. There are no user-serviceable parts inside. Repairs and internal servicing should only be performed by an authorised service agent.
  - Take care when handling the HUMIDAIRE 2i. The water in the water chamber may
  - If liquids are inadvertently spilled on the HUMIDAIRE 2i docking station, unplug the AUTOSET SPIRIT from the power outlet and allow the docking station to drain and
  - The water chamber should not be connected to the docking station when transporting the HUMIDAIRE 2i in the carry bag. Place the water chamber in a separate compartment in the carry bag.
  - Make sure that the water chamber is empty and thoroughly dried before transporting the HUMIDAIRE 2i.

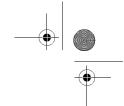










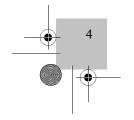




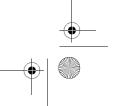
- Do not operate the HUMIDAIRE 2i if the AUTOSET SPIRIT unit has a damaged power cord or plug.
- There exists the possibility that if the device is placed above the level of the patient and is tipped over, or if the tubing is filled with condensate, the mask might fill with water. The HUMIDAIRE 2i should therefore be used with caution in patients who are unable to guard their airway, or are unable to pull the mask off, for example following a stroke. Attention should be given to the relative risks and benefits.
- Do not operate the HUMIDAIRE 2i if it is not working properly or if any part of it has been dropped or damaged.
- Keep the power cord away from heated surfaces.
- Do not drop or insert any object into any opening or tubes.
- Do not use the HUMIDAIRE 2i in the presence of flammable or explosive materials.













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# THE HUMIDAIRE 2i

### HUMIDAIRE 2i COMPONENTS

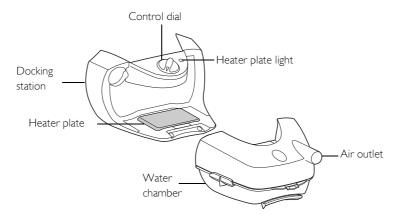


Figure 1 : Components of the HumdiAire 2i

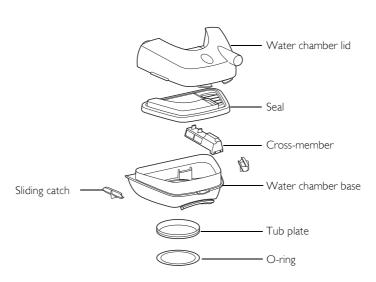
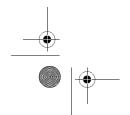
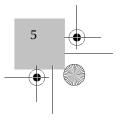


Figure 2: Water chamber components



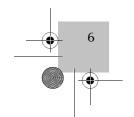




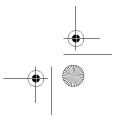




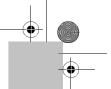












PREPARING FOR USE



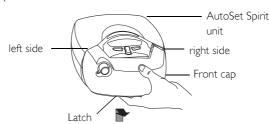
# PREPARING FOR USE

#### SETTING UP THE HUMIDAIRE 2i



#### **WARNING**

- Make sure that the AUTOSET SPIRIT unit is switched off at the power outlet before connecting the HUMIDAIRE 2i.
- 1 Remove the front cap from the AUTOSET SPIRIT unit. To do this:
  - i. Press the latch underneath the front cap.
  - ii. While pressing the latch, lift and pull the front cap away from the AUTOSET SPIRIT. The front cap should detach from the bottom and right side of the AUTOSET SPIRIT. The front cap should still be attached to the left side.



iii. Hold the AUTOSET SPIRIT down with your left hand. With your right hand, firmly pull the right side of the front cap out and then up until the whole front cap comes off the AUTOSET SPIRIT.



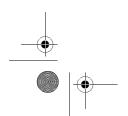


#### Notes

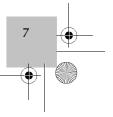
To replace the front cap:

- a. Align the air outlet connector inside the front cap to the air outlet on the AutoSet Spirit.
- b. Push the front cap firmly onto the AutoSet Spirit until it clicks into place.

Remember to take the front cap with you when travelling, in case you need to use your CPAP device without a humidifier.









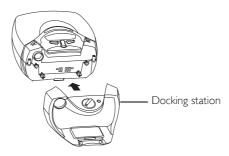




2 Separate the HUMIDAIRE 2i water chamber from the docking station. To do this, lift the latch at the bottom of the water chamber and pull the water chamber away from the docking station.



3 Slide the humidifier docking station only onto the AUTOSET SPIRIT unit until it clicks into place.



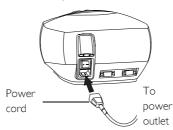


#### Notes

Under normal operation, there is no need to remove the HumidAire 2i docking station once it is attached to the AutoSet Spirit. If you need to remove it, press the latch underneath the docking station and pull the docking station away from the AutoSet Spirit

When removing the docking station, ensure that the water chamber is removed first.

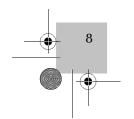
Insert the power cord into the socket at the rear of the AUTOSET SPIRIT unit. Plug the 4 other end of the power cord into a power outlet.



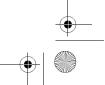


### **WARNING**

- Make sure that the  $\ensuremath{\mathsf{AUTOSET}}$  Spirit unit is switched off at the power outlet before connecting the HUMIDAIRE 2i.
- Make sure the power cord and plug are in good condition and the equipment is not damaged.









PREPARING FOR USE



5 Place the AUTOSET SPIRIT unit on a firm, flat surface near your bed. Make sure that the unit is placed at a level lower than your sleeping position so that any excess condensation drains back into the water chamber.



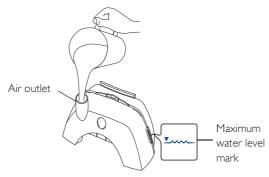
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Be careful not to place the device where it can be bumped into and knocked over.

6

Do not fill the water chamber while it is attached to the docking station and the AUTOSET SPIRIT unit.

Turn the water chamber so that the air outlet points up. Over a sink, carefully fill the water chamber through the air outlet up to the maximum water level mark shown on the side of the water chamber base.



The  $\mbox{\sc HumidAire}\ 2i$  should be filled with fresh water before use. Always ensure that the water chamber is clean. See "Cleaning and Maintenance" on page 15.



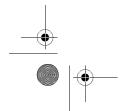
#### WARNING

Do not overfill the water chamber, as water may enter the  $\mbox{\em AUTOSet Spirit unit and}$ air tubing.



#### **CAUTION**

Do not use additives, in particular aromatic additives (eg scented oils and perfumes). They may reduce the humidification output of the device and/or cause deterioration of the water chamber materials.

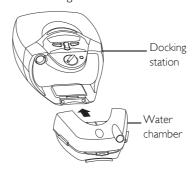








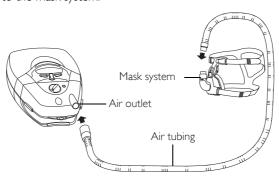
7 Carefully, slide and push the filled water chamber onto the humidifier docking station on the AUTOSET SPIRIT unit until it clicks down into place. Ensure that the water chamber is fully engaged into the docking station.





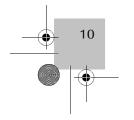
#### **WARNING**

- Always connect the HUMIDAIRE 2i docking station before connecting the water
  - To prevent water from entering the AUTOSET SPIRIT, only move or transport the AUTOSET SPIRIT/HUMIDAIRE 2i unit if the water chamber is empty and thoroughly dry.
- 8 Connect one end of the air tubing firmly onto the air outlet on the water chamber and the other end to the mask system.

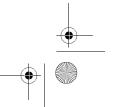


The HUMIDAIRE 2i is now ready for use. To start treatment, see "Operating Instructions" on page 11.













OPERATING INSTRUCTIONS



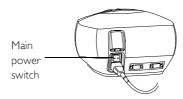


# **OPERATING INSTRUCTIONS**

#### STARTING TREATMENT

The HUMIDAIRE 2i should be filled with fresh water and attached to the AUTOSET SPIRIT unit, with the air tubing and mask system connected. See "Setting Up the HumidAire 2i" on page 7.

1 Switch on the power at the power outlet. Switch the main power switch at the back of the AUTOSET SPIRIT unit ON.



When the AUTOSET SPIRIT unit is turned on, a WELCOME message is displayed on the LCD screen. The AUTOSET SPIRIT screen appears with a prompt for the Warm-Up feature.



The Warm-Up Feature is automatically displayed when the  $\mbox{HUMIDAIRE 2i}$  is connected to the  $\mbox{AUTOSET SPIRIT}$  unit. When activated, this feature allows the water to warm up before you start treatment.

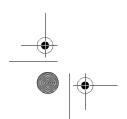
**Note:** The AutoSet Spirit unit automatically detects the presence or absence of the HumidAire 2i. There is no need to enter the menus to change the humidifier setting.

2 Pre-heat the water before starting treatment by activating the Warm-Up Feature. Skip this step if you do not wish to use the Warm-Up feature.

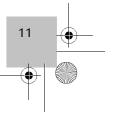
#### Warm-Up Feature

The HUMIDAIRE 2i provides a convenience feature called 'Warm-Up'. You can use this feature to pre-heat the water in the humidifier prior to starting treatment. The result is that the air is comfortably humidified at the start of treatment.

You can begin using the AUTOSET SPIRIT at any time during the humidifier 'Warm-Up' period. The 'Warm-Up' feature will automatically turn off after 30 minutes if treatment has not started.















The Warm-Up feature is activated from the AUTOSET SPIRIT screen. To do this:

i. Press the Right (warmup) key on the control panel.



The following message is displayed for 2 seconds:



ii. After 2 seconds the following screen is displayed indicating that the **HUMIDAIRE 2i** is warming.



- iii. While the HUMIDAIRE 2i is in Warm-Up mode you can:
- Start treatment at any time by pressing the Front key.
- Access the AUTOSET SPIRIT menus by pressing the Left (menu) key.
- Stop the Warm-Up feature at any time by pressing the Right (exit) key.



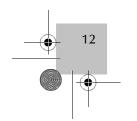
3 Turn the humidity control dial to the desired setting. The control dial is labelled as shown in the diagram below. A setting of 1 provides minimum humidification, and a setting of 6 delivers maximum humidification. The setting marked with a **O** switches heated humidification off.

Initially, set the control dial to 3. If necessary adjust the control dial up or down to find the most comfortable and effective setting. You can adjust the humidity setting at any time.

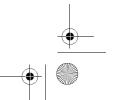


Your aim is to have moist air delivered at your mask while avoiding condensation in the air tubing. Your ideal setting will depend on the temperature and humidity of the surrounding air.

See "Helpful Hints" on page 14 for further tips on the correct humidity setting.

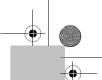






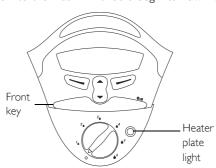


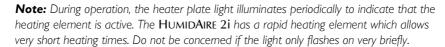






- 4 Fit your mask as described in the mask user instructions.
- 5 Press the **Front** key on the control panel. Alternately, if the SmartStart function is enabled, simply breathe into the mask. Air should begin to flow from the unit.





6 Lie down and arrange the air tubing so that it is free to move if you turn in your sleep.



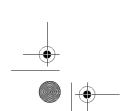
#### **WARNING**

Do not leave long lengths of air tubing around the top of your bed. It could twist around your head or neck while you are sleeping.

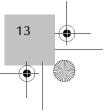


### STOPPING TREATMENT

To stop treatment at any time, remove your mask and press the **Front** key. Alternately, if the SmartStart function is enabled, simply remove your mask and treatment will end. You may notice that the **AUTOSET SPIRIT** continues to blow air gently after you have pressed the **Front** key to stop treatment. This continues for up to one hour to assist cooling of the heater plate. However, you can switch off the power at any time and allow the heater plate to cool without airflow.















#### HELPFUL HINTS

#### CONDENSATION IN THE MASK OR AIR TUBING

You may experience excessive condensation in the mask or air tubing. This may occur seasonally, particularly when the weather is cool. Turn the humidity control dial down until the condensation decreases.

Another cause of condensation is air blowing directly on the air tubing, for example from fans and air conditioning units. This causes the humidified air to quickly lose temperature, resulting in increased condensation. Avoid this situation when possible. Placing the air tubing under the bed covers with you may help prevent condensation. We recommend that you arrange the AUTOSET SPIRIT/HUMIDAIRE 2i device so that any excess condensation drains back into the water chamber.

#### SYMPTOMS OF DRYNESS STILL PRESENT

If you still experience symptoms of dryness, then your humidity setting may be set too low to be effective. Gradually turn the humidity control dial up over a few nights until the symptoms disappear.

If you are still experiencing symptoms of dryness, even after increasing the humidity setting, you may be breathing through your mouth. Mouth breathing or mouth leaks cause drying and irritation of the upper airway. If this is a problem, a full face mask or chin strap may help. Consult your clinician or equipment supplier for details.



If you have a cold or nasal infection, be sure to clean the **HUMIDAIRE 2i** thoroughly each day. Do not put aromatic oils or decongestants into the water chamber.

#### CAUTION

Do not use additives, in particular aromatic additives (eg scented oils and perfumes). They may reduce the humidification output of the device and/or cause deterioration of the water chamber materials.

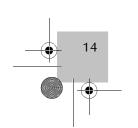
#### SCALY MINERAL DEPOSITS

You may notice a white powder or deposits in the water chamber base. These are mineral deposits from the tap water. To remove these deposits, rub the water chamber base gently using a mild washing detergent.

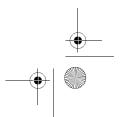
To prevent these deposits forming, fill the water chamber with demineralised water.

#### SEASONAL CHANGES

You may have to adjust your humidity setting from season to season, or if you travel to a different climate.













CLEANING AND MAINTENANCE





# CLEANING AND MAINTENANCE

You should regularly carry out the cleaning and maintenance described in this section.

#### 

Beware of electrocution. Do not immerse the AUTOSET SPIRIT/HUMIDAIRE 2i unit or power cord in water. Always unplug the unit before cleaning and be sure that it is dry before plugging back in.

- 1 Turn the main power switch at the back of the AUTOSET SPIRIT unit to OFF, and unplug the power cord from the power outlet.
- 2 Allow 10 minutes for the heater plate and any excess water to cool.
- 3 Remove the water chamber. To do this, lift the latch at the bottom of the water chamber and pull the water chamber away from the docking station.







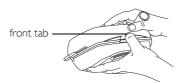
- Take care when handling the HUMIDAIRE 2i. The water in the water chamber may be hot.
- Do not touch the tub plate at the base of the water chamber while removing the water chamber from the docking station. It may be hot.
- 4 Discard any excess water by turning the water chamber upside down, allowing the water to drain out of the air outlet.

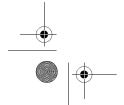
#### 5 DISASSEMBLING THE WATER CHAMBER

i. Slide back the sliding catches until you cannot push them any further..

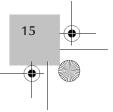


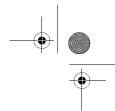
ii. Hold the water chamber as shown below:









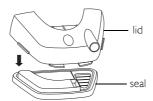




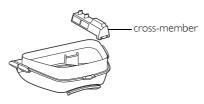
iii. Separate the water chamber by pulling the two halves apart. Use your thumb to pull down on the front tab.



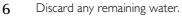
iv. Remove the seal by peeling it away from the inside of the lid.



v. Take the cross-member out of the water chamber base.

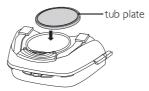




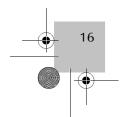


The tub plate does not need to be removed from the water chamber base. If removed, replace the tub plate by:

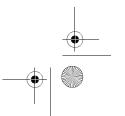
- i. Turning the water chamber base upside down.
- ii. As shown below, position the tub plate so that the open side is facing down. Then firmly press the tub plate down into the water chamber.



**Note:** The tub plate will not fit into the water chamber if it is facing up. Before fitting the tub plate, make sure the O-ring is fitted snugly inside the groove of the tub plate.







CLEANING AND MAINTENANCE





#### WATER CHAMBER

Wash the lid, seal, base, and cross-member in warm water using a mild detergent or in a dishwasher. Rinse them thoroughly with clean water and allow them to dry away from direct sunlight. Do this daily or after each use. Inspect the water chamber for wear and deterioration. Replace any damaged parts.



#### **CAUTION**

Do not use any of the following to clean any part of the HumidAire 2i. These solutions may cause damage and reduce the life of the product.

- bleach, chlorine-, alcohol-, or ammonia based solutions
- moisturizing, antibacterial, or glycerine based soaps
- · water softening and descaling agents

If using a dishwasher, avoid heavy duty or high temperature cycles (greater than 70°C). Do not use strongly alkaline detergents and rinse aids.

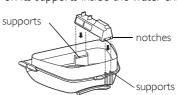
#### **DOCKING STATION**

Wipe the outside of the docking station with a damp cloth. Do this periodically.

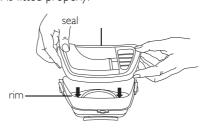
#### 8 REASSEMBLING THE WATER CHAMBER

When all the water chamber parts are clean and dry, reassemble the water chamber:

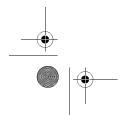
i. Place the cross-member on its supports inside the water chamber base.



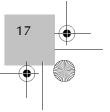
ii. Fit the seal onto the rim of the water chamber base. Press along the edge to ensure that the seal is fitted properly.



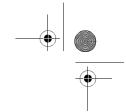






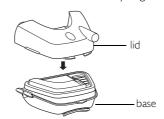




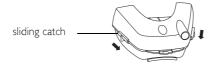




iii. Ensure that the sliding catches are pushed all the way back. Fit the lid onto the water chamber base. Press the lid and base firmly together to close.



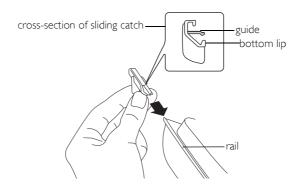
iv. Slide the two sliding catches forwards. Make sure that they are correctly engaged.



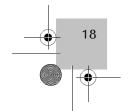
#### Note

If removed, re-attach the sliding catches by aligning and fitting them onto the rails which run along along the edge of the water chamber base. The rails should slide in between the guide and the bottom lip of the catches as shown below. You may need to slightly tilt the catches.

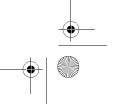












**TROUBLESHOOTING** 





# **TROUBLESHOOTING**

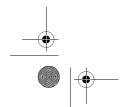
If there is a problem, try the following suggestions. If the problem cannot be solved, contact your equipment supplier or ResMed. Do not attempt to open the unit.



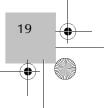
### **WARNING**

Service and repair should only be performed by an authorised service agent. Under no circumstances should you attempt to service or repair the unit yourself.

Problem	Possible Cause	Solution	
Unit not working (no display on LCD screen)	Power cord is not plugged in properly.	Check that the power cord is plugged firmly into the power outlet.	
sciectiy	Unit not switched on.	Check that the switch at the back of the unit is in the ON position	
	Faulty power outlet.	Try another power outlet.	
Heater plate light not lighting up	The Front key on the AUTOSET SPIRIT unit has not been pressed.	Press the Front key on the AUTOSET SPIRIT unit to activate the heater plate.	
	Control dial is in the OFF position.	Turn the control dial up from the OFF position.	
Leaking water chamber	The water chamber may be damaged or cracked.	Contact your supplier for a replacement.	
	The lid may not be on correctly.	Press the lid down firmly.	
	Water chamber seal may be twisted.	Make sure the seal is seated properly inside the water chamber.	
	Sliding catches are not engaged properly.	Make sure the two sliding catches are engaged properly.	
	The tub plate is incorrectly fitted.	Make sure the tub plate is fitted correctly.	







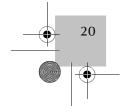








Problem	Possible Cause	Solution	
No air flow	The air tubing is not connected properly.	Connect the air tubing as described in "Preparing For Use" on page 7.	
	The air tubing is blocked, pinched or punctured.	Unblock or free the air tubing. Check the air tubing for punctures.	
	The AUTOSET SPIRIT unit is not working correctly.	See the Troubleshooting section in the AUTOSET SPIRIT manual.	
	The water chamber is overfilled.	Empty some water from the water chamber. Make sure that the water level is not above the maximum water level mark.	
Water splashing on your face	The water chamber is overfilled.	Empty some water from the water chamber.	
	The control dial is set too high and condensation is forming in the air tube and mask.	Turn the control dial down.	
	Air blowing on the air tubing (from fans and air conditioning units) is causing condensation.	Insulate the air tubing. Placing the air tubing under the bed covers may help prevent condensation.	
Air does not feel moist	The control dial is set too low.	Turn the control dial up.	
	HUMIDAIRE 2i heating element is not working.	Contact your equipment supplier.	
Air too moist	Control dial is set too high.	Turn the control dial down.	
	High ambient relative humidity.	Adjust your humidity setting.	

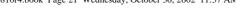


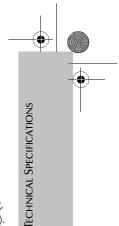












## TECHNICAL SPECIFICATIONS

#### **PERFORMANCE**

Maximum heater plate temperature: 75°C

Temperature cut-out: 93°C

Maximum output humidity: 95% relative humidity (control dial set to maximum setting, flow rate 50 L/min, ambient temperature of 20°C, ambient relative humidity of 40%).

#### DIMENSIONS $(H \times W \times D)$

123mm × 218mm × 183mm (docking station and water chamber)

900g (docking station and unfilled water chamber)

#### POWER SUPPLY

Input range for AUTOSET SPIRIT Unit with HUMIDAIRE 2i: 100-240V, 50-60Hz, <528VA (maximum power consumption)

Actual power consumption will vary, depending on factors such as the use of accessories, height above sea level and ambient temperature. Power consumption values for typical treatment conditions (using a breathing machine set to 0.5L and 15 breaths/min with 2m air tubing and a modular mask) are given in the following table.

Device	Pressure (cmH <sub>2</sub> O)	Power (VA)
AutoSet Spirit with	5	25
HumidAire 2i	10	29
	15	35
	20	43

#### HOUSING CONSTRUCTION

Docking station: Flame retardant engineering thermoplastic

Water chamber: Injection molded plastic

#### **ENVIRONMENTAL CONDITIONS**

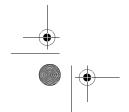
Operating temperature: +5°C to +40°C Operating humidity: 10-95% non-condensing

Storage and transport temperature: -20°C to +60°C Storage and transport humidity: 10-95% non-condensing

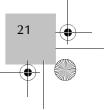
#### IEC 60601-1 CLASSIFICATION

Class II (double insulation)

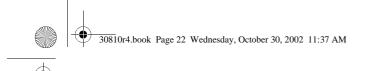
Type CF

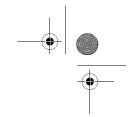














Product complies with all applicable electromagnetic compatibility requirements (EMC) according to IEC60601-1-2, for residential, commercial and light industry environments.

**Note:** The manufacturer reserves the right to change these specifications without notice.

#### SYMBOLS WHICH APPEAR ON THE DEVICE



Attention, consult accompanying documents



Type CF applied part



Class II equipment



Drip Proof



Hot Surface

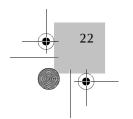


Do not touch

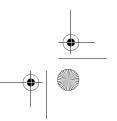


Maximum water level















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