

# RESMED S7™ ELITE AUTOSET SPIRIT™

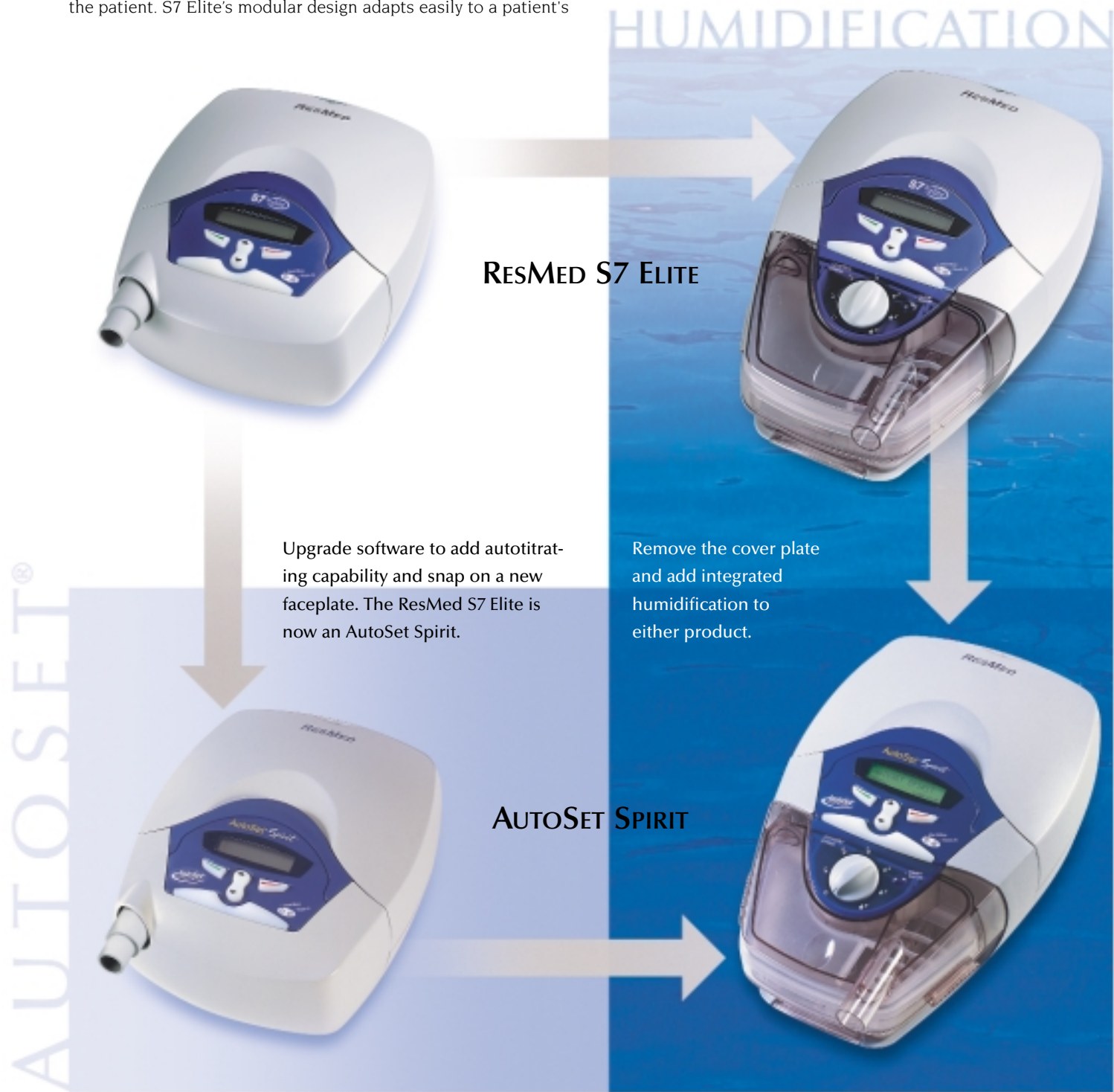
**RESMED**

efficacy  
monitoring  
flow limitation  
compliance  
data collection



**ResMed's S7 Elite** provides a comprehensive feature set for the treatment of OSA using fixed pressure therapy. In addition to standard CPAP features, the S7 Elite offers integrated humidification, a menu-driven LCD user interface, plus smart data for the patient. S7 Elite's modular design adapts easily to a patient's

therapy needs, in addition to providing an upgrade path from fixed CPAP to autotitrating therapy using the same machine. ResMed's S7 Elite provides flexible solutions to the customer improving patient management and lifestyle.



**AutoSet Spirit** clearly defines the future of OSA therapy, setting the standard for therapeutic performance. Building on the feature set of ResMed's S7 Elite, the AutoSet Spirit offers the added flexibility of AutoSet autotitrating mode. Combined with

integrated humidification and new data transfer options, the AutoSet Spirit provides more flexibility, convenience, and affordability than any other device on the market.

# A POSITIVE FUTURE

## ResMed S7™ Elite & AutoSet Spirit™

ResMed's S7 Elite and AutoSet Spirit CPAP devices represent the next generation of products for treating OSA (Obstructive Sleep Apnea) in the home or clinic.

Small and sleek, ResMed's S7 Elite and AutoSet Spirit offer enhanced data capabilities, optional integrated humidification, and upgradable modules. Together they give clinicians smart, flexible systems that can be tailored to individual patients' needs.



### **FLEXIBLE SOLUTIONS ARE SMART SOLUTIONS – THE FUTURE OF PATIENT MANAGEMENT**

ResMed's S7 Elite and AutoSet Spirit are intelligent systems designed to make patient management simpler.

Providing an upgrade path means patients can purchase systems and add to, or upgrade, as they need to. ResMed's S7 Elite and AutoSet Spirit systems are modular. This means patients and clinicians can purchase them with the assurance that they will not be limited if their future needs change. Patients can start with a ResMed S7 Elite and upgrade to AutoSet® therapy if they choose, using the same machine. Integrated humidification can be added at any time according to season and need.



## DATA PORT

Allows easy computer access for downloading patient data, servicing, and modem connection for data transfer.

## SMART DATA™

Smart Data™ allows patients to take greater 'control' of their treatment and maintain higher motivation levels. Smart Data is available on the LCD screen and gives patients daily feedback on their treatment, specifically mask leak, session duration, and pressure.

### SMART DATA DIARY

A Smart Data diary is available to encourage patients to monitor and log their therapy, helping patients feel more confident with their treatment.

### AUTOSET® ADVANTAGE WITH THE A10 ALGORITHM

The AutoSet Spirit provides all the benefits of authentic ResMed AutoSet automatic therapy. And with a simple software upgrade, the AutoSet Advantage can be added to ResMed's S7 Elite at any time. An AutoSet Advantage label identifies units with auto-titrating capability.

## EFFICACY DATA

Summary efficacy and compliance data is available via the LCD at the touch of a button on both ResMed's S7 Elite and AutoSet Spirit. Pressure, leak, AHI, AI, HI, and time at pressure are available for the day, week, month, 6-month, and year periods providing fast, valuable access to a patient's therapy.

## INTEGRATED HUMIDIFICATION

ResMed's AutoSet Spirit is the first system in the world to offer automatic therapy and integrated humidification.

The optional Humidaire® 2i clips neatly onto both the AutoSet Spirit and ResMed S7 Elite. The resulting single unit is fully portable and compact. Bedside space is maximized and the need for extra power cords or tubing eliminated. A large, easy-to-use dial allows patients to control temperature and humidity to enhance breathing comfort. Heated and passover (cold) options are available.

## COVER PLATE

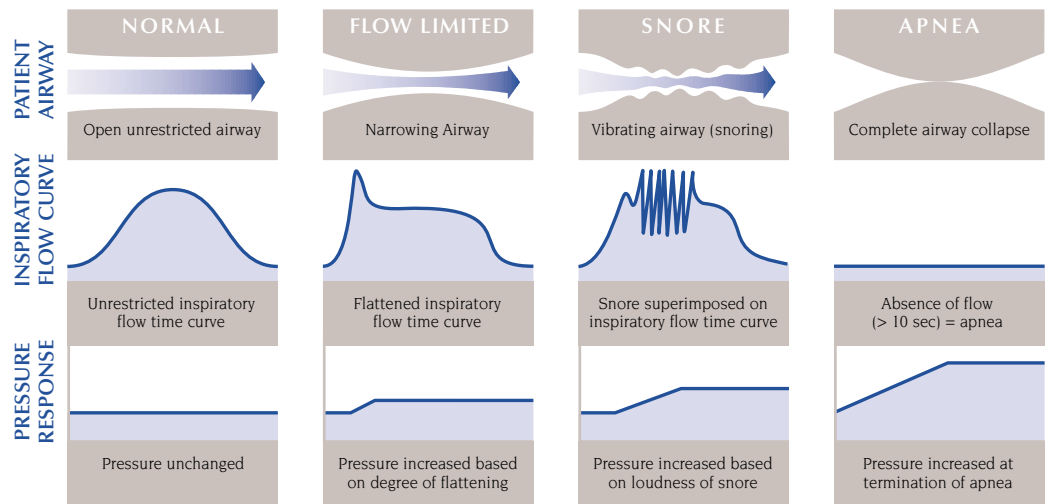
For use when humidifier is not required.



## THE AUTOSET® ADVANTAGE— GREATER COMFORT FOR YOUR PATIENTS

Building on the clinical efficacy and success of ResMed's patented AutoSet A10 algorithm, the AutoSet Spirit uses flow limitation technology to continuously monitor the patient's upper airway during therapy. AutoSet technology allows delivery of lower treatment pressures without compromising efficacy.

Lower pressures result in fewer pressure related side effects including lower noise, greater tolerance and less mask leak. Additionally, the AutoSet Spirit interprets flow and leak characteristics and automatically compensates for leak.

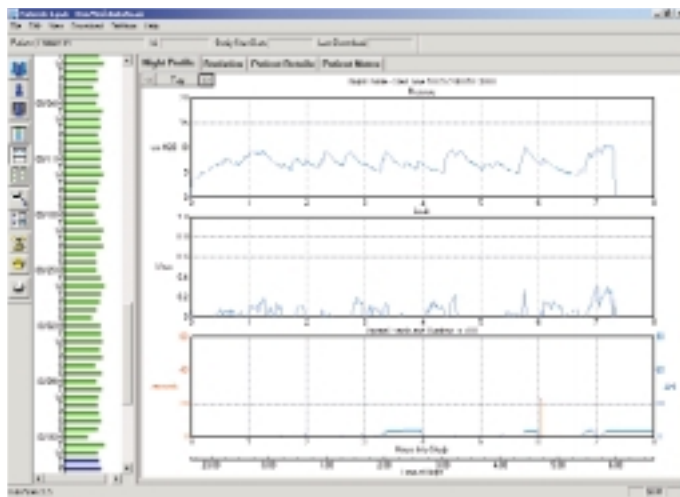


### PRE-EMPTIVE RESPONSE – THE KEY TO LOWER PRESSURES

The AutoSet Spirit treats flow limitation by analyzing the shape of the patient's inspiratory flow-time curve. It then adjusts the pressure to restore airflow and maintain airway patency.

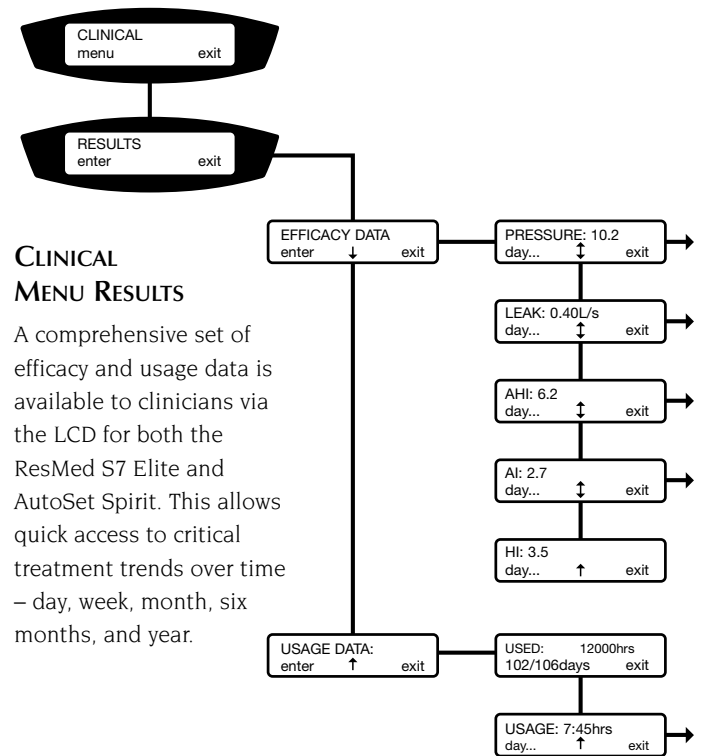
As flow limitation typically precedes snoring and obstruction, early detection of a compromised airway allows preemptive treatment prior to snoring or apneic events. By maintaining an open airway rather than forcing a closed airway open, lower treatment pressures can be achieved.

If an apnea suddenly occurs without any preceding flow limitation or snore, the AutoSet Spirit increases the pressure to prevent subsequent apneas. If no further events occur, the AutoSet Spirit reduces the pressure back to a minimum level.



### AUTO SCAN™ DATA MANAGEMENT SOFTWARE

AutoScan™ provides a graphical interface illustrating patient compliance and efficacy data with easy-to-use Windows-based software. Patient usage, treatment, and detailed night profile displays provide information critical for evaluating the efficacy of therapy. Designed for use in the sleep clinic or homecare facility.



### CLINICAL MENU RESULTS

A comprehensive set of efficacy and usage data is available to clinicians via the LCD for both the ResMed S7 Elite and AutoSet Spirit. This allows quick access to critical treatment trends over time – day, week, month, six months, and year.

## AUTOSET SPIRIT – USAGE SITUATION

SYSTEM CONFIGURATION	Home	Rental (post diagnosis)	Titration Studies	Trouble Shooting	Home Treatment Trial
ResMed S7 only	✓	✓	✓	✓	
AutoSet Spirit only	✓	✓	✓	✓	✓
HumidAire 2i	✓	✓	✓	✓	✓

## AUTOSET SPIRIT – CAPABILITIES

	ResMed S7	AutoSet Spirit
<b>MODE OF OPERATION</b>		
AutoSet®	–	✓
Fixed CPAP	✓	✓
<b>PRODUCT FEATURES</b>		
SmartStart®	✓	✓
Mask Fit Function	✓	✓
Leak Detection	✓	✓
Adjustable Settling Time	–	✓
Automatic Leak Adjustment	✓	✓
Automatic Altitude Adjustment	✓	✓
International Voltage	✓	✓
Carry Bag	✓	✓
<b>HUMIDIFICATION</b>		
HumidAire 2i (Optional, integrated)	✓	✓
HumidAire	✓	✓
ResMed PassOver	✓	✓
<b>DATA STORAGE</b>		
Smart Data	✓	✓
Hour Meter	✓	✓
Clinical Menu Results (day, week, month, 6 month, year) Pressure, Leak, AHI, AI, HI	✓	✓
Usage Profile	✓	✓
Treatment Profile	✓	✓
Night Profile	Up to 5 sessions	
Oximetry	–	–
<b>DATA TRANSFER</b>		
Direct download to PC	✓	✓

## TECHNICAL SPECIFICATIONS

### Performance

Operating pressure range: 4 to 20 cm H<sub>2</sub>O

### AHI, AI and AH data storage

365 days of usage, pressure, leak, AHI and AI data

### Dimensions

Flow generator only: 10.6" L x 9.1" W x 5.6" H  
(270mm L x 230mm W x 142mm H)

With HumidAire 2i: 14.65" L x 9.1" W x 5.6" H  
(372mm L x 230mm W x 142mm H)

### Weight

Flow generator only: 5.07 lb (2.3 kg)

With HumidAire 2i: 7.05 lb (3.2 kg)

### Power Supply

Input range 100-240V, 50-60Hz, < 120VA  
(maximum power consumption)

### Housing Construction

flame retardant engineering thermoplastic

### Environmental Conditions

Operating Temperature: 41°F to 104°F

(+5°C to +40°C)

Operating Humidity: 10-95% non-condensing

Storage and Transport temperature:

-4°F to 140°F (-20°C to +60°C)

Storage & Transport Humidity: 10-95% non-condensing

### Air Filter

Two-layered, powder-bonded, polyester non-woven fiber

### Air Tubing

6' or 9' lengths

### IEC 60601-1 Classification

Class II (double insulated), Type CF

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

## PRODUCT CODES

30001	AutoSet Spirit
30002	S7 Elite
30902	HumidAire 2i

AutoSet Spirit and ResMed S7 Elite are protected by:  
AU 691200, AU 697652, AU 709279, AU 724589,  
AU 730844, AU 731800, AU 736723, AU 741687,  
EP(DE,FR,GB) 0661071, US 4944310, US 5199424,  
US 5245995, US 5522382, US 5704345, US 6029665,  
US 6138675, US 6152129, US 6240921, US 6279569,  
US 6363933, US 6367474, US 6398739.

Other patents pending.

Designs registered: AU 147283, AU 147335, AU 147336.

Other designs pending.

ResMed, AutoSet, Spirit, S7, HumidAire, AutoSet Advantage, Smart Data, AutoScan and SmartStart are trademarks of ResMed Ltd.

**RESMED**  
www.resmed.com

14040 Danielson Street Poway CA 92064-6857 USA

Tel +1 (858) 746 2400 or 1 (800) 424 0737

Fax +1 (858) 746 2900

Internet <http://www.resmed.com>

Email [usreception@resmed.com](mailto:usreception@resmed.com)

©2002 ResMed.

P/N 101784/1 02 07