

DeVilbiss IntelliPAP Cube DV51 technical specifications	
PARAMETER	DETAIL
Pressure	3-20 cm H ₂ O
Universal A/C Power Supply	100-240V, 50-60Hz
Weight (CPAP & Humidifier)	4.5lb (1.97 kg)
Footprint with humidifier (Area in sq in.)	52
Dimensions with Humidifier	6" x 6.5" x 8"
Sound level (dBA @ 10 cm @ 1 meter)	< 29 dBA
DC operation	Yes
Automatic Altitude Adjustment	Yes
Maximum Operating Altitude	9000 ft (2743m)
Automatic leak compensation	Up to 95 lpm
Auto ON/Off	Yes
Unit hour meter	Yes
Therapy Compliance Hour meter	Yes
AC line cord length	8 ft (2.4m)
Onboard filter clean reminder	Yes
Visual Mask off alert	Yes

DeVilbiss AutoPAP DV54 technical specifications	
PARAMETER	DETAIL
Pressure	3-20 cm H ₂ O
Universal A/C Power Supply	100-240V, 50-60Hz
Weight (CPAP & Humidifier)	4.5lb (1.97 kg)
Footprint with humidifier (Area in sq in.)	52
Dimensions with Humidifier	6" x 6.5" x 8"
Sound level (dBA @ 10 cm @ 1 meter)	< 29 dBA
DC operation	Yes
Automatic Altitude Adjustment	Yes
Maximum Operating Altitude	9000 ft (2743m)
Automatic leak compensation	Up to 95 lpm
Auto ON/Off	Yes
Unit hour meter	Yes
Therapy Compliance Hour meter	Yes
AC line cord length	8 ft (2.4m)
Onboard filter clean reminder	Yes
3 meter tube patient tube menu option	Yes
Visual Mask off alert	Yes

Philips Respironics PR Technical Specifications

Specifications		REMstar Pro IN451S	REMstar Auto IN551S
Pressure range:	4 to 20 cm H ₂ O	✓	✓
Flex pressure relief:	Mode specific	✓	✓
Ramp time:	0 to 45 min. (5 min. increments)	✓	✓
Starting ramp pressure:	4 to CPAP; patient-adjustable 4 to min. pressure	✓ N/A	N/A ✓
Dimensions:	7" L x 5.5" W x 4" H 18 cm L x 14 cm W x 10 cm H	✓	✓
Weight:	3 lbs; 1.36 kg (without humidifier)	✓	✓
Filters:	Foam and optional ultra-fine	✓	✓
Device set-up:	LCD/control wheel/push button	✓	✓
Data storage capacity (minimum):	7-and 30-day averages SD Card:>1 year On-board: up to 6 months	✓	✓
Compliance meter:	Breathing detection	✓	✓
Altitude compensation:	Automatic Manual	✓ N/A	✓ N/A
Electrical requirements:	100 - 240 VAC, 50/60 Hz	✓	✓
Humidification:	Integrates with REMstar System One heated humidifier and REMstar pass-over humidifier	✓	✓
Warranty:	Two years; replace with new	✓	✓
Miscellaneous:	Fine pressure calibration Lighted LEDs English text display option	N/A ✓ ✓	N/A ✓ ✓

ResMed S9 Technical Specifications

Operating pressure range	4 to 20cmH ₂ O
Maximum single fault steady state pressure	30cmH ₂ O
Pressure Measurement tolerance	±0.5 cmH ₂ O ± 4% of the measured reading
Flow measurement tolerance	±6 L/min or 10% of reading, whichever is greater
DECLARED DUAL-NUMBER NOISE EMISSION VALUES in accordance with ISO 4871:	
Sound pressure level	24 dBA as measured according to ISO 17510-1:2002
	26 dBA with uncertainty of 2 dBA as measured according to ISO 17510-1:2007
Sound power level	34dBA with uncertainty of 2 dBA as measured according to ISO 17510-1:2007
Nominal dimensions (L x W x H)	153mm x 140mm x 86mm
Weight	810g
90W power supply unit	Input range 100-240V, 50-60Hz
	Nominal for aircraft use 110V, 400Hz
	Typical power consumption 70W (80VA)
	Maximum power consumption 110W (120VA)
30W power supply unit	Input range 100-240V, 50-60Hz
	Nominal for aircraft use 110V, 400Hz
	Typical power consumption 20W (30VA)
	Maximum power consumption 36W (75VA)
Operating temperature	+ 5°C to 35°C
Operating humidity	10-95% non-condensing
Operating altitude	Sea Level to 2,591 m
Storage and transport temperature	-20°C to + 60°C
Storage and transport humidity	10-95% non-condensing
Housing construction	Flame retardant engineering thermoplastic
Supplemental oxygen	Recommended maximum supplemental oxygen flow: 4 L/min
Hypoallergenic air filter	Non-woven acrylic and polypropylene fibers with polypropylene carrier
Standard air filter	Polyester fiber
SlimLine™ air tubing	Flexible plastic, 1.83m, 15mm inner diameter
Standard air tubing	Flexible plastic, 2m, 19mm inner diameter
Air outlet	The 22mm conical air outlet complies with ISO 5356-1
Electromagnetic compatibility	Product complies with all applicable electromagnetic compatibility requirements (EMC) according to IEC60601-1-2, for residential, commercial, and light industry environments. Information regarding the electromagnetic emissions and immunity of these ResMed devices can be found on www.resmed.com on the Products page under Services and Support. Click on the PDF file for your language.
Aircraft use	Medical-Portable Electronic Devices (M-PED) that meet the Federal Aviation Administration (FAA) requirements of RTCA/DO-160F can be used during all phases of air travel without further testing or approval by the airline operator. ResMed confirms that the S9 meets RTCA/DO-160F requirements.
IEC 60601-1 classification	Class II (double insulation), Type BF

Notes:

- . The manufacturer reserves the right to change these specifications without notice
- . Check with your clinician/service provider before using the SlimLine air tubing with devices other than the S9

F&P Icon Technical Specifications

DIMENSIONS:	6.3H x 6.7W x 8.7D in. (160 H x 170 W x 220 D mm)				
WEIGHT:	4.8 lb (2.2 kg) Packed weight 8.7lb (4.0 kg)				
PERFORMANCE:					
Pressure Range:	4 to 20 cmH ₂ O (in the unlikely event of fault conditions, pressure may reach up to 26 cmH ₂ O)				
Maximum Flow Rates					
CPAP Pressure Setting (cmH ₂ O)	4	8	12	16	20
Measured pressure at patient connection port (cmH ₂ O) – AUTO/PREMO	62	102	129	149	143
Measured pressure at patient connection port (cmH ₂ O) – NOVO	47	52	57	61	65

Dynamic Pressure Stability					
CPAP Pressure Setting (cmH ₂ O)	4	8	12	16	20
Pressure difference (cmH ₂ O) at mask connection port - AUTO/PREMO	0.6	0.6	0.6	0.7	0.8
Pressure difference (cmH ₂ O) at mask connection port - NOVO	1.2	1.2	1.3	1.5	1.5

Static Pressure Stability		
	AUTO/PREMO	NOVO
Change at connection port at a pressure setting of 10 cmH ₂ O	0.2	0.4

HUMIDITY	Maximum humidity = 35 mg/L (BTPS), 85% RH at 10 cmH ₂ O, with humidity level 7 and Boost level high.
	Typical humidity = 21 mg/L (BTPS), 78% RH at 10 cmH ₂ O, with humidity level 4 and Boost level medium
GAS TEMPERATURES:	Maximum = 100 °F (38 °C)
NOISE LEVEL:	Sound Pressure Level < 30dBA Average Sound Power Level < 38dBA
WATER CHAMBER VOLUME:	420ml up to the maximum fill line
STANDARDS COMPLIANCE:	IEC60601-1: 1988 + A1 –A2 AS/NZS 3200.1.0: 1998 EN60601-1:1990
DATA RECORDING:	The SmartStick™ records up to 365 days of summary efficacy data. 30 days of detailed efficacy data (AHI, Leak), 7 days of high frequency Flow, Pressure and Leak data (50Hz), as well as cumulative data from first use.

Electrical Ratings		
Rated supply voltage	Rated current input	Rated supply frequency
110 – 115 V	1.27 A (1.43 A Max)	50 – 60 Hz/400Hz
220 – 240 V	1.07 A (1.21 A Max)	50- 60 Hz

STORAGE AND TRANSPORT:	The device should always be stored and transported within the following temperatures:
	Transport: 14 to 140 °F (- 10 °C to 60 °C)
	Storage: 14 to 140 °F (-10 °C to 60 °C)
	CAUTION: Ensure water is emptied from the Water Chamber before travelling. The Carry-Case will not close until the Chamber Lid is removed from the device.
OPERATING CONDITIONS:	Ambient Temperature: 41 to 95 °F (5 to 35 °C)
	Humidity: 5 to 95% Relative Humidity
	Altitude: 0 to 9,000 ft (0 to 3,000 m)
	NOTE: Above 4500 ft (1500m) the maximum operating pressure will be reduced.

CPAP FEATURES – as per manufacturers’ specification

(BROCHURES available upon request)

<p>COVIDIEN Sandman Info CPAP <i>CPAP pressure and flow generation process:</i> Air pressure and flow generated by a centrifugal blower with dynamic pressure regulation <i>Pressure output:</i> 3 cmH₂O to 20 cm H₂O (+/-0.6cm H₂O) <i>Flow output:</i> 190 LPM @ 20 cm H₂O with all leak flow included without humidifier <i>Outlet gas temperature:</i> Maximum gas temperature at the patient outlet: 106°F (41°C) <i>Noise level:</i> 26dB measured in accordance with ISO 17510-1:2002 <i>Operational mode:</i> Constant pressure, no auto-adjust <i>Ramp duration:</i> 0, 5, 10, 15, 20, 25, 30, 40, 45 minutes <i>Ramp starting pressure:</i> 3 cm H₂O to prescription pressure <i>Humidifier type:</i> Heated or pass-over, passive vapour-phase transfer of water into inspiratory airflow <i>Humidifier water chamber capacity:</i> 350ml (11.75 oz) at maximum water level <i>Heated adjustable range & wattage:</i> 0-10 adjustable, \approx3.8 watts at setting 1, 38 watts at setting 10 Physical characteristics <i>Size:</i> 6.9” wide x 7.5” deep x 4.7” high (17.5 cm x 19 cm x 12 cm) <i>Weight:</i> 2.64 lbs (1.20 kg) with humidifier, 2.2 lbs (1.0Kg) without humidifier <i>Filters:</i> Cleanable and high-efficiency Power characteristics <i>Power supply:</i> Input range 100-240v, 50-60 Hz <i>Power consumption:</i> 50 VA max with humidifier at maximum setting Environmental requirements <i>Operating temperature:</i> 41°F to 95°F (5°C to 35°C), 10% to 95% relative humidity (RH), non-condensing <i>Storage temperature:</i> -4°F to 140°F (-20°C to 60°C), \leq 95% relative humidity (RH), non-condensing <i>Operating altitude:</i> 0 to 9000 feet (2,743 meters) www.covidien.com/sleepapnea</p>	<p>DEVILBISS 9054 AutoAdjust CPAP <i>CPAP Pressure Range (cmH₂O):</i> 3 – 20 Pressure Delay Function 0–240 minutes (AA mode) / 0–45 in 5 minute intervals (CPAP mode) / Adjustable Low-Pressure Delay (CPAP mode) <i>Sound Level:</i> <30dB at 10 cm H₂O Daily Usage Cumulative hour meter (while breathing), 3 years “daily” usage log (while breathing), Oximetry Log, RPM Performance Logging, AutoStart/AutoStop Pressure Compensation Mask leaks, Temperature Variations, Altitude Changes Temperature Range <i>Operating:</i> 41° to 104° F (5° to 40° C) <i>Storage:</i> -40° to 158° F (-40° to 70° C) Maximum Power Consumption 65 watts 100–240v ~, 50/60hz IEC 801–2 thru 5 & CISPR I I, IEC 601–1 class II Type BF Dimensions <i>Weight:</i> 3.6lbs, <i>Size:</i> 4” H x 7.5” W x 10.8” D, Carrying Case Device Set Use Key Pad/LCD, Remote – IPS / eCompliance, PC Software (8054D-620), Palm OS PDA (9055A-650) Two Year Warranty, Smart Track Modem Compatible, Optional 0.3 micron fine particle filter User notifications (filter and mask replacement), www.sunrisemedical.com</p>
<p>FISHER & PAYKEL HC232 CPAP without humidifier Dimensions:275mm x 170mm x 140mm (10.8" x 6.7"x 5.5") Weight: 1.9kg (4.2lbs) (3.0kg packaged in bag incl. Accessories) Electrical Ratings <i>Supply Frequency:</i> 50-60Hz <i>Supply Voltage and Current:</i> 100-115V ~ (1.2A, 1.3A max), 220-240V~ (0.8A,1.8A max) Note: These values represent average Current <i>DC to AC Inverter requirements:</i> 115V – 200W/300W surge 230V – 300W/500W surge <i>Heater Plate:</i> 85W max <i>Heater Plate Temperature:</i> 65°C (149°F) max Performance <i>Pressure Range:</i> 4 to 20 cm H₂O <i>Altitude Range:</i> 0 to 3000m, or 0 to 9000 ft Standard Compliance <i>Designed to conform to the requirements of:</i> EN / IEC 60601-1, UL60601-1, CSA C22,2/No.601.1, AS3200.1.0 The device complies with the electromagnetic compatibility requirements of IEC 60601-1-2. In certain circumstances, the device may affect or be affected by nearby equipment due to the effects if electromagnetic interference. If this should happen, try moving your unit or the location of the device causing interference, or alternatively consult your homecare provider. Operating Conditions <i>Ambient Temperature:</i> 5 - 35° <i>Humidity:</i> 10 - 95° RH <i>Altitude:</i> 0-3000m (9000ft) Above 1500m (4500 ft) the maximum operating pressure will be reduced. Storage Conditions <i>The device should be stored and transported in environmental conditions of:</i> 10 to 60° C www.fphcare.com</p>	<p>FISHER & PAYKEL HC608 CPAP with built-in humidifier Compliance Data <i>Does the pump have a compliance meter:</i> Yes <i>Does the pump collect compliance data:</i> Yes <i>Can compliance data be downloaded electronically:</i> Yes Humidification <i>Does the HC600 series offer the option of humidification:</i> The HC608 is a CPAP with integrated humidifier Can be used with or without humidification and heated tube <i>Weight:</i> 2.1kg (unit only), 3.4kg (packaged in bag incl accessories) <i>Dimensions:</i> 27.3cm L x 17cm W x 17.5cm H <i>Warranty:</i> Two years from the date of purchase <i>Tubing:</i> The unit is supplied with heated tubing Performance <i>Pressure range:</i> 4-20cmH₂O, <i>Altitude range:</i> 0 to 3000m or 0 to 9000ft, <i>Warm-up time:</i> 30 minutes Electrical ratings <i>Heater plate:</i> 85W max <i>Heater plate temperature:</i> 30-65°C, user adjustable, settings 1 to 4 <i>Heated breathing tube power setting:</i> 30W max The unit is multi-voltage and will run on 100-240 volts AC 50-60Hz Can be used with inverter 230V-300W / 500W surge Operating conditions <i>Chamber output temperature:</i> 39.6 °C at maximum heater setting* <i>Temperature at mask:</i> 27.8 °C at maximum heater setting* *tested at ambient room conditions (10mg/l humidity at 23 °C) at 10cm H₂O pressure with circuit attached, <i>Ambient temperature:</i> 5°-35 °C, Humidity: 10-95% RH, Standards Compliance: Designed to conform to the requirements of AS3200.1.0</p>

RESPIRONICS RemStar M-Series CPAP

(Auto specs available on request) with or without humidifier

Pressure: 4 to 20 cm H₂O

Ramp time: 0 to 45 mins (5 min. increments)

Starting pressure: 4 to CPAP; patient-adjustable

Dimensions

7.5" L x 5.0" W x 3.125" H / 19 cm L x 12.7 cm W x 7.9 cm H

Weight: 2.2lbs / 1 kg, Filters: Pollen and optional Ultra-fine

Device setup: LCD/keypad and SmartCard (optional)

Data storage capacity (minimum): Display: 7 and 30 day averages

SmartCard (optional): 9 months at 3 usage sessions per day

Data storage content

SmartCard: Date/time, hours of use, usage patters, FOSQ

Compliance monitoring: Breath detection

Altitude compensation: Low, medium or high

Electrical requirements: 100–240 VAC, 50/60 Hz

Humidification (optional): Integrated Heated Humidifier and Pass-over

Humidifier, DC power: Direct connect cord, Warranty: 2 years

Special user features: Lighted LEDs, Auto on/off, mask alert, patient reminders

http://www3.resironics.com/customer_service/mktlibrary/mrl_new/

RESMED S8 AutoScore CPAP / (Auto specs available on request) with or without 3i humidifier

Performance

Operating pressure range: 4–20 cm H₂O

Data Storage: Used hours & usage days available from flow generator.

Usage days from the 180 most recent sessions available locally and remotely via PC application.

Compliance and daily summary downloadable

Has EPR (electronic pressure relief) for patient comfort

Dimensions: (H x W x D)

4.6" x 6.5" x 5.7" (112mm x 164mm x 145mm)

Weight: Flow generator: 2.9 lb (1.3 kg)

Power supply input range: 100–240v AC, 50/60Hz, 12-24v DC

Please refer to the User's manual for details about power consumption values for typical treatment conditions

Housing construction: Flame retardant engineering thermoplastic

Environmental conditions

Operating temperature: +41°F to +104°F / (+5°C to 40° C)

Air Filter: Two layered, powder-bonded, polyester non-woven fibre

Classification: Class II (double insulated), Type CF, IPX1

Use on Aircraft: US FCC Part 15, Class B - Consult the medical department of the carrier before using on an aircraft

Noise level: Radiated sound pressure is measured at <30 dBA at 10cm H₂O and 1 m according to ISO17510

<http://www.resmed.com/en-au/>

SULLIVAN HumidAire (ResMed)**Performance**

Maximum heater plate temperature: 60° Celsius (140° Fahrenheit)

Temperature cut-out: 75° Celsius (167° Fahrenheit)

Maximum output humidity: 80% relative humidity

(dial to set to maximum, flow rate of 130 litres/min; ambient temperature 20°C, ambient relative humidity 45%)

Dimensions (H X W X D)

95mm x 230mm x 325mm

(3³/₄ in x 9 in x 12³/₄ in)

Weight 2.3 kg (5.2 lb)

Power supply

Input range for US models: 115V, ~60Hz, 180VA

Input range for non-US models: 220 – 240V, ~50Hz, 180VA

Housing construction

Injection molded plastic

Air tubing

Flexible plastic, 520 mm Hytrel (20.5 in) length

IEC 601-1 classifications

Class 1, Type B, IPX1, not suitable for use with flammable anesthetics