

Information for Clinical Choice

CPAP Devices

Support Document

Introduction

Information for Clinical Choice (ICC) has been developed to assist Clinicians in the decision-making process when assessing the suitability of a product by providing a clear illustration and description of the features of a range of similar products supplied through NHS Supply Chain. The criteria provided, in the form of a Product Matrix and Support Document, is the result of a product review, conducted by Clinical Engagement and Implementation Managers, with support from clinical stakeholders from across the NHS.

The aim, alongside delivering savings back into NHS frontline services, is to ensure that clinical choice remains at the forefront of any product switching decision.

Non Invasive Ventilation, Sleep Therapy, CPAP and Sleep Monitoring







Diagnostics: CPAP Devices

A Continuous Positive Airway Pressure or CPAP device is a portable, electrically powered medical device, primarily designed for use with a mains power supply and often incorporating an internal rechargeable battery for short-term or contingency use. It is intended to support non-invasive ventilation by delivering a continuous, pressurised flow of air to the upper airway during spontaneous respiration, most commonly for the treatment of obstructive sleep apnoea (OSA) in adult patients.

The device is typically configured as a compact bedside table unit and is designed for operation in the home environment. It delivers positive airway pressure via a breathing circuit connected to a separate nasal, oronasal (full-face), or nasal pillow interface, ensuring maintenance of upper airway patency during sleep.

Details of the common integrated features are included within the ICC to aid clinician choice, these include

- **Therapy modes** - such as **Fixed (CPAP)**, delivering a constant, clinician-prescribed airway pressure throughout the entire respiratory cycle and **Auto-CPAP (APAP)** where therapy is adjusted based on real-time analysis of respiratory parameters.
- **Humidifiers** - To add moisture and in some cases heat to the delivered airflow, for some this can improve patient comfort and reducing upper airway dryness or irritation and in doing so aid therapy.
- **Ramp feature** - allowing gradual increase of pressure at therapy initiation which can aid therapy by increasing tolerance.
- **Detection of events** - Integrated alarms or alerts for fault conditions, power interruption, or abnormal operation.
- **Connectivity options** - For example USB, SD card, Bluetooth or wireless transmission to enable remote monitoring, clinical review, or therapy optimisation.
- **Noise levels** - dB levels stated as noise reduction and vibration control mechanisms contained within the devices support patient adherence and comfort.

CPAP Devices						
Supplier	Intus	Nowus	Philips	Philips	Resmed	Sefam
Brand	BMC G3 Auto CPAP	prisma SMARTmax	Philips DreamStation 2 Advanced Auto	Phillips dreamstation Auto	Resmed AirSense 11 AutoSet	Sefam Nea Auto
MPC	X22602	LMT31960-1210	GBX520H15C	GB-SPK005	A11AVE	M-117012
NPC	FFC85084	FAG6326	FBU90575	FAG4057	FFC85011	FFC85000
Description	CPAP Device	CPAP Device	CPAP Device	CPAP Device	CPAP Device	CPAP Device
Picture						
Supply Route	eDirect	Stocked	eDirect	eDirect	eDirect	eDirect
UOI	Each	Each	Each	Each	Each	Each
Country of Manufacture	China	Germany	USA	USA	Australia, Singapore	France
Ventilator Modes	CPAP, Auto CPAP	CPAP, Auto-CPAP	CPAP, Auto CPAP	CPAP, Auto CPAP	CPAP, Auto CPAP	CPAP, APAP
Pressure Range (cm/H2O)	4 - 20 cm/H2O	4 - 20 cm/H2O	4 - 20 cm/H2O	4 - 20 cm/H2O	4 - 20 cm/H2O	4 - 20 cm/H2O
With Humidifier	Y	Y	Y	N	Y	Y
Remote access and Prescriptions Changes	Y	Y	Y	Y	Y	Y
Bluetooth Connectivity	N	Y	Y	Y	Y	Y
Patient App	PAP Link app	Prisma app	Philips DreamMapper	Philips DreamMapper	myAir app	Sefam access remote
Ramp Feature	Y	Y	Y	Y	Y	Y
Auto START-STOP	Y	Y	Y	Y	Y	Y
Noise Level (Decibels)	28 Db	26.5 Db	26-27 Db	< 30 dB	25 Db	24.5 Db
Detection of Events	Mask Leak, low pressure, power failure, high pressure, device error	Obstructive apnea, Central apnea, hypopnea, flow limitation, snoring, RERA	Apneas, Hypoapnea, Flow Limitations, Snoring	Obstructive apnea, Hypopnea, Flow limitations, Snoring, Ramp apnea, Mask leak	Obstructive Apnea, Central Apnea, Cheyne-Stokes, RERA, Flow Limitation, Snoring	Obstructive (apnea, hypopnea), Central (apnea, hypopnea)
SD Card	Y	Y	Y	Y	Y	Y
Other model variants available	Y	Y	Y	Y	Y	Y
Weight (Kilograms)	1.8 kg	1.34kg	1.34kg	1.33 kg	1.14kg	1.4kg

References

If you have any questions, would like further information, or have feedback to share, please contact:

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