

Information for Clinical Choice

Nebulisers

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 DHL's Clinical Procurement and Quality Assurance Team with support from clinical stakeholders from across the NHS as part of our assurance process.

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.

Respiratory: Nebulisers

A nebuliser is an assembly of devices intended to be used in the home and clinical settings to generate non-heated aerosolised medication/fluids for inhalation by a patient, typically to treat/manage a respiratory disorder [e.g., chronic obstructive pulmonary disease (COPD), cystic fibrosis (CF)]. It may be a benchtop or trolley-mounted assembly and includes an electrically powered generator (ultrasonic and/or compressor jet type), a reservoir, and a nebulising chamber where the nebulisation of the medicine usually occurs. Disposable devices (e.g., tubing, mask, mouthpiece) are attached to the device for inhalation.

This matrix shows the nebuliser generator machines on the NHS Supply Chain catalogue. Not all information could be included due to space constraints. For further information such as cleaning/decontamination instructions or required filter changes please contact your Clinical Nurse Advisor (CNA) or Customer Relationship Manager (CRM).

All codes and information about related consumables for the nebuliser generators such as facemasks and chambers can also be accessed through your CNA or CRM.

References:

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

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Supplier	Clement Clarke International LTD	Clement Clarke International LTD	Clement Clarke International LTD	Clement Clarke International LTD	Kinetik	Pari Medical LTD
Brand	Medix AC2000	Medix Econoneb	Medix Turboneb	Airmed 1000	Kinetik	eFlow@rapid Nebuliser System
MPC	3605020HWA	3605040HW	3605050HW	3605900	NB-222C	178G1005
NPC	FAG032	FAG033	FAG034	FAG1727	FDE915	FAG1091
Description	8 litres/min at 20psi complete with Jet Neb set and accessories	Continuously rated 8 litres/min at 20psi complete with Jet Neb set and accessories	Continuously rated 10.5 litres/min at 20psi complete with Jet Neb set and accessories	Compact lightweight compressor with a flow rate of 4-8l min - comes complete with a starter pack	Compressor Nebuliser	Eflow rapid with 2 handsets batteries international power adapter carry case
Picture						
Route	eDirect	eDirect	eDirect	eDirect	eDirect	eDirect
UOI	Eaches	Eaches	Eaches	Eaches	Eaches	Eaches
Compressor	✓	✓	✓	✓	✓	✗
Jet	✗	✗	✗	✗	✗	✗
Battery/Main/Dual	Main	Main	Main	Main	Main	Dual
Single Patient Use	Consumables yes	Consumables yes	Consumables yes	Consumables yes	-	Nebuliser chamber
Hospital Use	✗	✓	✓	✗	✗	✓
Clinic Use	✓	✓	✓	✓	✗	✓
Home Use	✓	✓	✓	✓	✓	✓
Multi Patient Use	✓	✓	✓	✓	✗	✓
Compatible with Generic Consumables	For best performance we recommend to use our Lifecare consumables	For best performance we recommend to use our Lifecare consumables	For best performance we recommend to use our Lifecare consumables	For best performance we recommend to use our Lifecare consumables	✓	Pari accessories only
Flow Rates	Min flow 7-9 L/min @ 138 kPa	Min flow 7-9 L/min @ 138 kPa	Min flow 9.5-10.5 L/min @ 138 kPa	Min flow 4-8 L/min @ 10-16 psi	Free flow range ≥7 L/min	-
Weight	2.9 kg	2.7 kg	2.7 kg	1380 g	-	300g
Decibel Level	60 dbA	63 dbA	63 dbA	60 dbA	≤ 65 dB,	-
Continuous/Intermittent	Continuous	Continuous	Continuous	Intermittent	Intermittent	-
Dynamic Flow (compressor)	Min flow 7-9 L/min @ 138 kPa	Min flow 7-9 L/min @ 138 kPa	Min flow 9.5-10.5 L/min @ 138 kPa	Min flow 4-8 L/min @ 10-16 psi	>7L/min @ 60-180 kPa	-
Maximum flow (compressor)	-	-	-	-	-	-
Particle Size	MMAD 3.4 microns	MMAD 3.4 microns	MMAD 3.2 microns	MMAD 4 microns	≤5 µm & 60% and ≥0.2ml/min	MMAD 4.1 microns
Time taken to nebulise 2.5ml saline	2.5 - 5.5 min	2.5 - 5.5 min	2-5 min	12.5 min	-	2-3mins
Aerosol output rate ml per min	0.38ml	0.39 ml	0.46 ml	0.20 ml	-	0.70 ml
Battery Operating Time	-	-	-	-	-	90 mins

Supplier	Pari Medical LTD	Pari Medical LTD	Respironics (UK) LTD	Respironics (UK) LTD	Syringa Wholesale Distributor	Timesco Healthcare LTD
Brand	PARI BOY Classic	PARI SINUS2	-	-	Medigenix	TIMESCO
MPC	130G1204	128G1004	1112279	1112261	MGX-017	D10.000
NPC	FAG4853	FAG4859	FAG1072	FAG1156	FAG6824	FDD4178
Description	BOY Classic including LC SPRINT and adult mask	SINUS2 for upper airways contains LC SPRINT SINUS nebuliser & tubing system	InnoSpire Deluxe with Reusable Sidestream	InnoSpire Essence with Disposable SideStream	MediGenix Piston Nebuliser with ON-DEMAND ampoule	Intermittent use complete with chamber tubing filter and mask flow rate guide 6-7l/min
Picture						
Route	eDirect	eDirect	Blue Diamond	Blue Diamond	eDirect	eDirect
UOI	Eaches	Eaches	Eaches	Eaches	Eaches	Eaches
Compressor	✓	✓	Yes - Piston	Yes - Piston	Yes - Piston	✓
Jet	✓	✓	✓	✓	✗	✓
Battery/Main/Dual	Main	Main	Main	Main	Main	Main
Single Patient Use	Nebuliser chamber	Nebuliser chamber	✓	✓	✓	✓
Hospital Use	✓	✓	✓	✗	✓	✓
Clinic Use	✓	✓	✓	✗	✓	✓
Home Use	✓	✓	✓	✓	✓	✓
Multi Patient Use	✓	✓	✓	✗	✓	✓
Compatible with Generic Consumables	Pari accessories only	Pari accessories only	Any nebuliser chamber can go on these devices. Only Philips filters are unique	Any nebuliser chamber can go on these devices. Only Philips filters are unique	✓	✓
Flow Rates	5.0 L/min	5.0 L/min	6 L/min @ 10 psi	7 L/min @ 10 psi	Litre flow range: 6 to 10 L/min	Free flow range ≥7 L/min
Weight	1700g	2000g	2000g	1500g	1500g	approx. 1900g
Decibel Level	54 dbA	55 dbA	58±3 dB	58±3 dB	<65 dB	≤65d B
Continuous/Intermittent	Continuous	Continuous	Continuous	Intermittent	Continuous	Continuous
Dynamic Flow (compressor)	5.0 L/min	5.0 L/min	Average flow 7 L/min	Average flow 7 L/min	-	Flow range ≥4 L/min
Maximum flow (compressor)	9.5 L/min	9.5 L/min	9.8 L/min	9.3 L/min	10 L/min	Free flow range ≥7 L/min
Particle Size	MMAD 3.5 microns	MMAD 3 microns	MMAD 2.93 microns	MMAD 2.9 microns	MMAD 2.0-2.5 µm	MMAD approx. 3.4 microns
Time taken to nebulise 2.5ml saline	<5 mins	<5 mins	4.12 mins	6-8 mins	5½ mins	10 ml
Aerosol output rate ml per min	0.60 ml	0.15 ml	226.44 - units not specified	-	Minimum 0.45 ml per minute	≥0.2 ml
Battery Operating Time	-	-	-	-	-	-