

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 the Clinical Engagement and Implementation Team, 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

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

Nebulisers Part 1					
Supplier	Clement Clarke International LTD	Clement Clarke International LTD	Clement Clarke International LTD	Clement Clarke International LTD	Kinetik
Brand	Medix AC2000	Medix Econoneb	Medix Turboneb	Airmed 1000	Kinetik
MPC	3605020HWA	3605040HW	3605050HW	3605900	NB-222C
NPC	FAG032	FAG033	FAG034	FAG1727	FDE915
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
Picture					
Route	eDirect	eDirect	eDirect	eDirect	eDirect
UOI	Eaches	Eaches	Eaches	Eaches	Eaches
Compressor	Y	Y	Y	Y	Y
Jet	N	N	N	N	N
Battery/Main/Dual	Main	Main	Main	Main	Main
Single Patient Use	Consumables yes	Consumables yes	Consumables yes	Consumables yes	-
Hospital Use	N	Y	Y	N	N
Clinic Use	Y	Y	Y	Y	N
Home Use	Y	Y	Y	Y	Y
Multi Patient Use	Y	Y	Y	Y	N
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	Y
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	2.7kg	1380g	-
Decibel Level	60 dbA	63 dbA	63dbA	60 dbA	≤ 65dB,
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 @ 60-180Kpa
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
Time taken to nebulise 2.5ml saline	2.5 - 5.5 min	2.5 - 5.5 min	2-5 min	12.5 min	-
Aerosol output rate ml per min	0.38ml	0.39ml	0.46ml	0.20 ml	-
Battery Operating Time	-	-	-	-	-

Nebulisers Part 2				
Supplier	Pari Medical LTD	Pari Medical LTD	Syringa Wholesale Distributor	Timesco Healthcare LTD
Brand	PARI BOY Classic	PARI SINUS2	Medigenix	TIMESCO
MPC	130G1204	128G1004	MGX-017	D10.000
NPC	FAG4853	FAG4859	FAG6824	FDD4178
Description	BOY Classic including LC SPRINT and adult mask	SINUS2 for upper airways contains LC SPRINT SINUS nebuliser & tubing system	MediGenix Piston Nebuliser with ON-DEMAND ampoule	Intermittent use complete with chamber tubing filter and mask flow rate guide 6-7l/min
Picture				
Route	e-Direct	e-Direct	e-Direct	e-Direct
UOI	Eaches	Eaches	Eaches	Eaches
Compressor	Y	Y	Yes - Piston	Y
Jet	Y	Y	N	Y
Battery/Main/Dual	Main	Main	Main	Main
Single Patient Use	Nebuliser chamber	Nebuliser chamber	Y	Y
Hospital Use	Y	Y	Y	Y
Clinic Use	Y	Y	Y	Y
Home Use	Y	Y	Y	Y
Multi Patient Use	Y	Y	Y	Y
Compatible with Generic Consumables	Pari accessories only	Pari accessories only	Y	Y
Flow Rates	5.0 L/min	5.0 L/min	Litre flow range: 6 to 10 L/min	Free flow range ≥7 L/min
Weight	1700g	2000g	1500g	approx. 1900g
Decibel Level	54 dbA	55 dbA	<65 dB	≤65dB
Continuous/Intermittent	Continuous	Continuous	Continuous	Continuous
Dynamic Flow (compressor)	5.0 L/min	5.0 L/min	-	Flow range ≥4 L/min
Maximum flow (compressor)	9.5 L/min	9.5 L/min	10 L/min	Free flow range ≥7 L/min
Particle Size	MMAD 3.5 microns	MMAD 3 microns	MMAD 2.0-2.5µm	MMAD approx. 3.4 microns
Time taken to nebulise 2.5ml saline	<5mins	<5mins	5½ minutes	10ml
Aerosol output rate ml per min	0.60 ml	0.15ml	Minimum 0.45 ml per minute	≥0.2ml
Battery Operating Time	-	-	-	-

References

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

Dan Lewin - Head of Clinical, Ward Based Consumables

Dan.Lewin@supplychain.nhs.uk

Alison White --Clinical Specialist, Ward Based Consumables

Alison.white@supplychain.nhs.uk

Ellie Addison - Clinical Specialist, Ward Based Consumables

Ellie.Addison@supplychain.nhs.uk

Sophie Brocklehurst - Clinical Specialist, Ward Based Consumables

Sophie.Brocklehurst@supplychain.nhs.uk