

NeoPAP[®] system specifications guide

Sophisticated CPAP delivery for the smallest, most fragile infants

NeoPAP is a sophisticated CPAP delivery and treatment system developed to treat newborns and infants. Designed with Baby-Trak[®] leak compensation technology for CPAP stability, even in the face of minor leaks, NeoPAP supports treatment for the smallest, most fragile infants. NeoPAP allows you to deliver high-quality CPAP therapy to support successful care for your patients less than 5 kg.

Settings	
CPAP	Range: 2-10 cm H ₂ O Resolution: 1 cm H ₂ O
% O ₂	Range: 21-100% Resolution: 1%
Flow (in flow mode)	Range: 3-7 SLPM (L/min) Resolution: 1 SLPM (L/min)
Measured Data	
Patient pressure (bar graph display)	Range: 0-12 cm H ₂ O Resolution: 1 cm H ₂ O Accuracy: ± 1 cm H ₂ O
% O ₂ (7-segment LED display)	Range: 21-100% Resolution: 1% Accuracy: ± 3% FiO ₂ in CPAP mode; ± 5% FiO ₂ in flow mode
Alarm Tolerances	
Patient Alarm	
Range	<ul style="list-style-type: none"> ± 2-4 cm H₂O (2-4 hPa) around CPAP setting 0-5 cm H₂O (low pressure) in flow mode 6-15 cm H₂O (high pressure) in flow mode
Resolution	1 cm H ₂ O
Default Settings	<ul style="list-style-type: none"> ± 2 cm H₂O in CPAP mode 2 cm H₂O (low pressure) in flow mode 8 cm H₂O (high pressure) in flow mode
Delivered FiO ₂ alarm	
Range	± 5-10% around set % O ₂
Resolution	1%
Default	± 5%
Flow alarm	
Range	± 2 SLPM (L/min)
Resolution	N/A – Fixed at ± 2 SLPM (L/min)
Default	± 2 SLPM (L/min)



Oxygen Measurement	
Oxygen sensor 90% response time	20 seconds
Physical	
NeoPAP system dimensions	35.0 x 23.0 x 18.5 cm 13.8 x 9.0 x 7.3 in Excluding accessories, gas inlets and patient connections
Weight	Approximately 5.05 kg (11.11 lbs)
Pressure at patient connection mounting	Mechanical pop-off valve opens during fully occluded exhalation tube condition; patient pressure will never exceed 40 cm H ₂ O (39.2 hPa)
Gas supply connections	Determined by country and configuration
Gas supply input pressures	50 to 70 psi (345-483 kPa)
Resuscitation mode output flow	10 (SLPM fixed)
Power	
Input range	100-240 V~, 50/60 Hz, 2A (480VA)
Internal battery	Provides up to two hours of operation System automatically recharges internal battery when connected to AC power.
Remote alarm relay	Rated current: 0.5 A Rated voltage: 250 V
Fuse type	2.5A, 250V (Anti-surge)
Environmental	
Temperature	<ul style="list-style-type: none"> Operating: 5 to 35° C Storage: -20 to 60° C
Atmospheric pressure	Operating and storage: 815 to 1100 cm H ₂ O (800 to 1070 hPa); 600 to 803 mmHg
Compliance	
International standards	<ul style="list-style-type: none"> IEC 60601-1: 3rd Edition: Medical electrical equipment – Part 1: General requirements for safety IEC 60601-1-2: 3rd Edition: General requirements for safety –Collateral standard: Electromagnetic compatibility - Requirements and tests

Ordering Information

Item #	Description	Quantity
NeoPAP System		
1076378	NeoPAP CPAP device (USA)	1/each
1079410	NeoPAP CPAP device (Europe)	1/each
Patient bonnet		
1074083	Extra small (XS) NeoPAP bonnet	10/pack
1074084	Small (S) NeoPAP bonnet	10/pack
1074085	Medium (M) NeoPAP bonnet	10/pack
1074086	Large (L) NeoPAP bonnet	10/pack
1074117	Extra large (XL) NeoPAP bonnet	10/pack

Ordering Information

Item #	Description	Quantity
Nasal cannula		
101436	Extra small, Extra small (XXS) NeoPAP nasal cannula	10/pack
1074119	Extra small (XS) NeoPAP nasal cannula	10/pack
1074120	Small (S) NeoPAP nasal cannula	10/pack
1074121	Medium (M) NeoPAP nasal cannula	10/pack
1074123	Large (L) NeoPAP nasal cannula	10/pack
1074124	Extra large (XL) NeoPAP nasal cannula	10/pack
Nasal mask		
1074125	Small (S) NeoPAP nasal mask	10/pack
1074127	Large (L) NeoPAP nasal mask	10/pack
Delivery circuit		
1074128	NeoPAP circuit adapter kit with sizing guide	20/pack
Trial pack		
1078602	NeoPAP patient interface customer trial pack	1/each
IV pole and accessories		
1079302	NeoPAP IV pole kit	1/each
1079722	Utility basket for IV pole	1/each
1080810	NeoPAP IV pole shim (for 22mm pole diameter)	1/each
1080811	NeoPAP IV pole shim (for 25.4mm pole diameter)	1/each
Air/oxygen hoses		
1079712	NIST x AGA, air hose (Scandinavia)	1/each
1079713	NIST x DIN, air hose (Germany)	1/each
1079714	NIST x UNI, air hose (Italy)	1/each
1079715	NIST x AFNOR, air hose (France)	1/each
1079716	NIST x NIST, air hose (Europe)	1/each
1079717	NIST x BS, air hose (UK)	1/each
1079719	DISS HT x DISS HT, air hose (USA)	1/each
1080373	NIST x AGA, O2 hose (Scandinavia)	1/each
1080374	NIST x DIN, O2 hose (Germany)	1/each
1080375	NIST x UNI, O2 hose (Italy)	1/each
1080376	NIST x AFNOR, O2 hose (France)	1/each
1080577	NIST x NIST, O2 hose (Europe)	1/each
1080578	NIST x BS, O2 hose (UK)	1/each
1080580	DISS HT x DISS HT, O2 hose (USA)	1/each

Ordering Information

Item #	Description	Quantity
Other accessories		
1076194	NeoPAP remote alarm cable NO (normally open)	1/each
1076195	NeoPAP remote alarm cable NC (normally closed)	1/each
1078409	NeoPAP remote alarm cable OP (open platform)	1/each
1080812	NeoPAP O2 sensor removal tool	1/each
1080800	NeoPAP fan filter replacement kit	1/each
1080801	Replacement oxygen sensor	1/each
1080802	Battery pack, 14.4V, 2000mA, NiMH	1/each
1080808	NeoPAP battery cover/door	1/each
1080809	NeoPAP O2 sensor cover/door	1/each
1084541	NeoPAP adapter, POST start-up	1/each
1084406	Replacement bonnet clips	20/pack

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