



Neonatal and paediatric patient interfaces










Critical Care ▪ Neonatal and paediatric patient interfaces



Neonatal and paediatric patient interfaces

Safety and comfort are vital to help infants with their earliest steps in life. Intersurgical offer a range of patient interfaces specifically designed to provide non-invasive respiratory support for the smallest and most sensitive patients.

The Intersurgical portfolio includes solutions for Nasal High Flow (NHF), Continuous Positive Airway Pressure (CPAP) and Non-invasive Ventilation (NIV) therapies, for a range of patient sizes, from the smallest neonates to pre-adolescents.

Weight guide (kg)	0	3	7	12	15
NHF	 <p>Infant Nasal Cannula</p>				
CPAP	 <p>nFlow™</p>	 <p>CaStar Infant</p>	 <p>CaStar Ped</p>		
NIV			 <p>BiTrac MaxShield Select™</p>	 <p>MiniMe®2</p>	 <p>CaStar R Ped</p>

The table above displays the suggested minimal patient weight for each product. For comprehensive information on the patient population for each range, please refer to the pages within this guide.

Non-invasive ventilation is used to support a wide range of infant respiratory conditions, however one of the most common applications for children under 2 years old is treatment of acute bronchiolitis. Intersurgical have an extensive range of interfaces suitable for supporting this age range.

Treatment of bronchiolitis in infants

The smallest patients can be affected by an acute bronchiolitis. Management of bronchiolitis focuses on supportive care, such as ensuring adequate hydration and providing supplemental oxygen when needed.

Bronchiolitis predominantly affects children under 2 years of age, with the highest incidence occurring during the first year of life, out of every 1,000 children under 2 years of age, about 5 will require hospitalisation. Bronchiolitis usually follows a seasonal pattern, with most cases occurring in the autumn and winter months, although occasional cases may occur throughout the year.⁽¹⁾



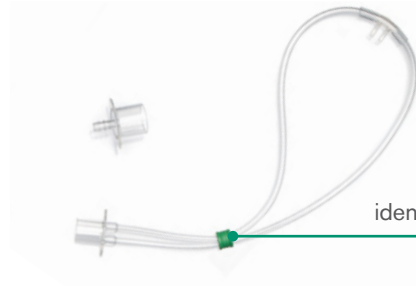
1. Parker MJ, Allen U, Stephens D, Lalani A, Schuh S. Predictors of major intervention in infants with bronchiolitis. *Pediatr Pulmonol* . 2009 Apr;44(4):358-63. doi : 10.1002/ppul.210010.



Nasal High Flow (NHF)

Infant nasal cannula

The infant nasal cannula for high flow range is available in 4 prong sizes and is suitable for flows up to 10 L/min. The cannula includes a 15M connection for use with active humidification, or an optional adaptor for use with oxygen tubing.



Colour coding
to allow quick and easy
identification of the correct size

Code	Description	Colour	Box Qty.
51008533	Nasal cannula, extra large infant	Orange	10
51008531	Nasal cannula, large infant	Blue	10
51008530	Nasal cannula, medium infant	Green	10
51008529	Nasal cannula, small infant	White	10

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Continuous Positive Airway Pressure (CPAP)

Nasal CPAP – nFlow™ CosyFit

The Intersurgical nFlow™ system offers a complete care solution for infant CPAP with established gas flip technology, providing a low work of breathing option as an alternative to ventilator CPAP. The CosyFit bonnet makes attaching the generator simple and precise and helps create a secure yet gentle fit for even the most sensitive patients.



Tube support

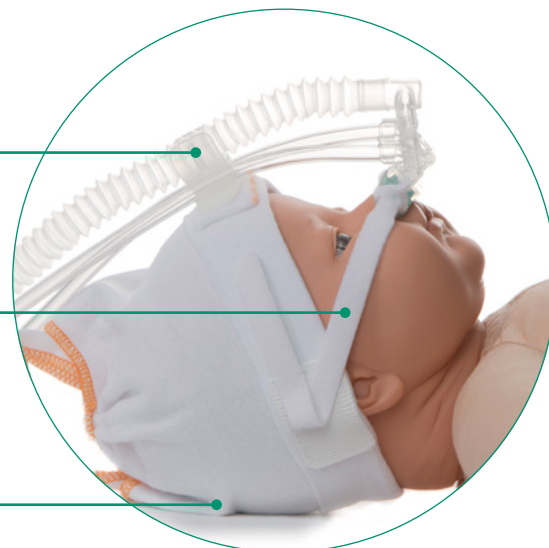
Lightweight and secure design for easy positioning and adjustment

Bonnet tie

Soft and strong to maintain a comfortable and reliable fit throughout treatment

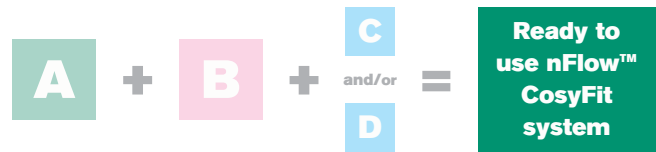
Bonnet

Available in 12 sizes, the breathable cotton nFlow CosyFit bonnet includes 3 large attachment pads to help ensure a gentle and cosy fit for the smallest to largest patient.





We've made ordering easy. To make a complete system you can choose one product from group A and B, and choose a patient interface from C and/or D. At any time you can order separate items according to your needs.



Code	Description		Box Qty.
A nFlow CosyFit breathing systems			
4800000	nFlow CosyFit infant CPAP heated wire breathing system. ≥ 1.6 m		12
4800001	nFlow CosyFit infant CPAP heated wire breathing system. ≥ 1.8 m		10
4800016	nFlow CosyFit infant CPAP heated wire breathing system with detachable monitoring line. ≥ 1.8 m		10
B nFlow CosyFit bonnets			
		Colour	Size
4907009	nFlow CosyFit, infant bonnet, navy		Size 9 (40 - 42 cm)
4907008	nFlow CosyFit, infant bonnet, turquoise		Size 8 (38 - 40 cm)
4907007	nFlow CosyFit, infant bonnet, orange		Size 7 (36 - 38 cm)
4907006	nFlow CosyFit, infant bonnet, red		Size 6 (34 - 36 cm)
4907005	nFlow CosyFit, infant bonnet, green		Size 5 (32 - 34 cm)
4907004	nFlow CosyFit, infant bonnet, light orange		Size 4 (30 - 32 cm)
4907003	nFlow CosyFit, infant bonnet, blue		Size 3 (28 - 30 cm)
4907002	nFlow CosyFit, infant bonnet, yellow		Size 2 (26 - 28 cm)
4907001	nFlow CosyFit, infant bonnet, dark grey		Size 1 (24 - 26 cm)
4907110	nFlow CosyFit, infant bonnet, pink		Size 0 (22 - 24 cm)
4907100	nFlow CosyFit, infant bonnet, grey		Size 00 (20 - 22 cm)
4907000	nFlow CosyFit, infant bonnet, white		Size 000 (18 - 20 cm)
C nFlow nasal masks			
		Colour	Size
4716000	nFlow nasal mask		Extra large
4706000	nFlow nasal mask		Large
4705000	nFlow nasal mask		Medium
4704000	nFlow nasal mask		Small
D nFlow nasal prongs			
		Colour	Size
4703000	nFlow nasal prong		Large
4702000	nFlow nasal prong		Medium
4701000	nFlow nasal prong		Small
4711000	nFlow nasal prong		Extra small

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[▶ Watch the video](#)



Hood CPAP

CaStar Infant hood



The CaStar Infant hood is a comfortable, versatile and lightweight CPAP patient interface for infants. It is designed to offer an alternative to traditional methods of CPAP delivery. The CaStar Infant hood is well tolerated for extended periods and can reduce the risks associated with both endotracheal intubation and face mask use. It is available in two sizes, providing an ideal option for CPAP therapy for a range of patient sizes.



CaStar Infant hood for CPAP therapy with inflatable headrest, bi-directional anti-asphyxiation valve and patient access port

Code	Description	Patient weight	Box Qty.
CP200INFHI/2	CaStar Infant High for CPAP	7 - 12 kg	5
CP200INFLO/2	CaStar Infant Low for CPAP	3 - 7 kg	5

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CPAP and Non-invasive Ventilation (NIV) patient interfaces

Hood CPAP and NIV

CaStar Ped paediatric hood

The CaStar Ped is the hood interface for paediatric patients above 12kg weight. This size hood is available in both configurations for CPAP and NIV to offer a comfortable solution for your patients needs. The CPAP design features a built-in manometer and is used with a PEEP valve, while the NIV version connects to the mechanical ventilator.



CaStar R Ped
NIV



CaStar Ped
CPAP

CaStar Ped paediatric hood for CPAP therapy and NIV with bi-directional anti-asphyxiation valve and patient access port

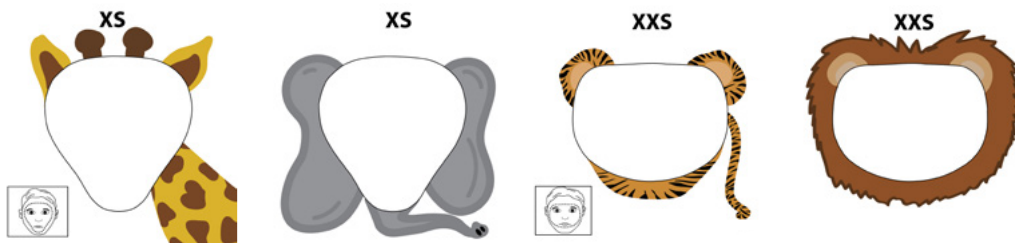
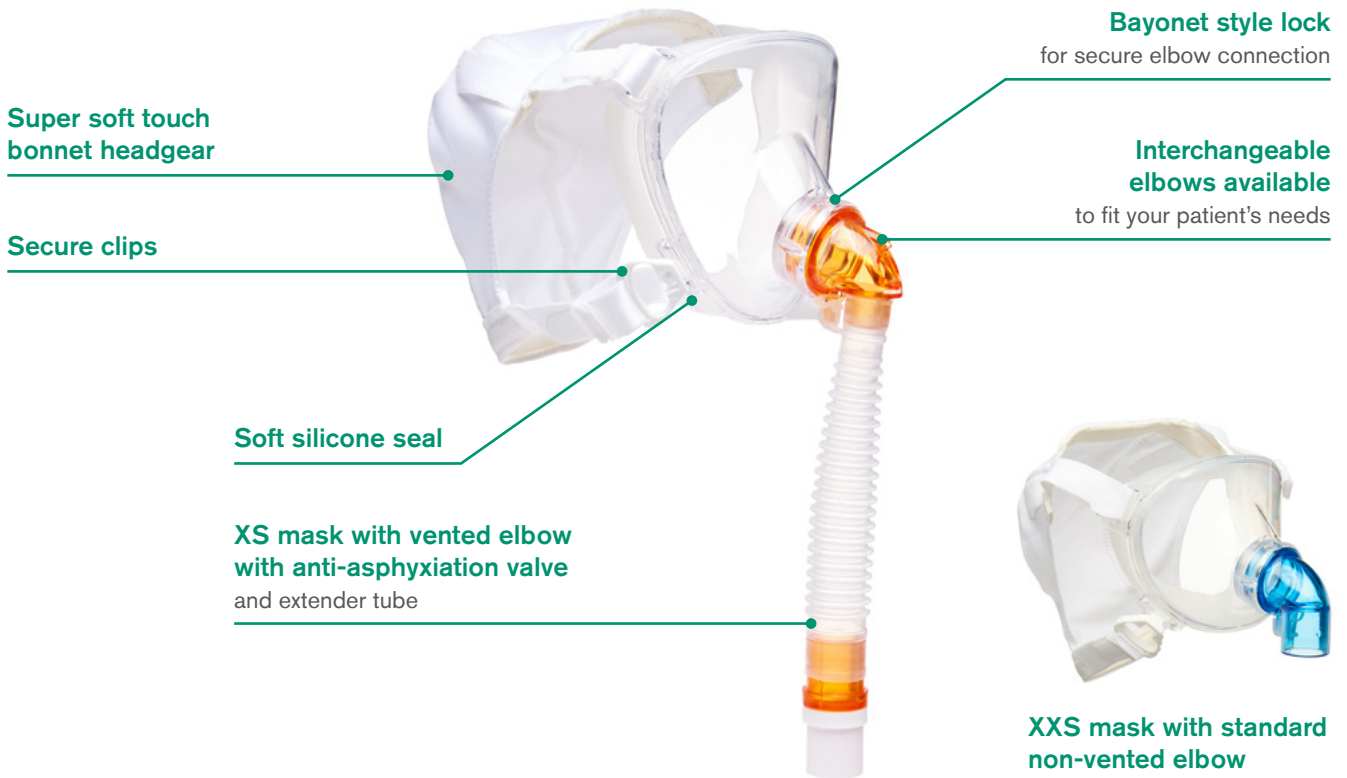
Code	Description	Patient weight	Box Qty.
CP201PED/2R	CaStar R Ped for NIV with 22M/22M connections	> 15 kgs	5
CP200PED/2	CaStar Ped for CPAP with 22M/22F connections	> 12 kgs	5

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Total Face Mask CPAP and NIV BiTrac MaxShield Select™ paediatric




Our total face mask for paediatrics, the BiTrac MaxShield Select, avoids the nose and disperses pressure over a larger surface area while reducing claustrophobia for the patient. The two paediatric masks feature soft touch bonnet headgears that have been specifically designed for each size, to gently stabilise the masks on the smallest patients. Our interchangeable elbows greatly reduce waste since you can easily remove and replace the mask's elbow when transitioning patients between standard ventilators and bilevel machines.



Size guides included






BiTrac MaxShield Select™ paediatric total face mask with interchangeable vented elbow with anti-asphyxiation valve

Code	Description	Colour coded elbow	Box Qty.
313-9527	BiTrac MaxShield Select paediatric total face mask with interchangeable vented elbow with anti-asphyxiation valve, 15 cm extender tube with 22M swivel connection, extra small		10
313-9526 	BiTrac MaxShield Select paediatric total face mask with interchangeable vented elbow with anti-asphyxiation valve, 15 cm extender tube with 22M swivel connection, extra extra small		10

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BiTrac MaxShield Select paediatric total face mask with interchangeable non-vented standard elbow

Code	Description	Colour coded elbow	Box Qty.
313-9525 	BiTrac MaxShield Select paediatric total face mask with interchangeable standard non-vented elbow, extra small		10
313-9524	BiTrac MaxShield Select paediatric total face mask with interchangeable standard non-vented elbow, extra extra small		10

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Accessories

Code	Description	Box Qty.
313-9529	Replacement headgear for paediatric BiTrac MaxShield™, size extra small	10
313-9528	Replacement headgear for paediatric BiTrac MaxShield, size extra extra small	10
313-9602 	BiTrac Select paediatric interchangeable vented elbow with anti-asphyxiation valve and 15 cm extender tube with 22M swivel connection	10
313-9599	BiTrac Select interchangeable standard non-vented elbow	10

Make an enquiry



Nasal Mask CPAP and NIV

MiniMe[®]2 featuring AIR^ogel[®] technology

The MiniMe[®]2 mask is a single-patient use nasal NIV mask for use in the hospital or homecare environment, with service life of six months. MiniMe[®]2 is available in four sizes, both with vented and non-vented options. Designed for children ages 2-12, the MiniMe[®]2 mask features AIR^ogel[®] with Advanced Cushion Technology[™] and Custom fit technology, providing your smallest patients the ultimate fit and maximum comfort.

Custom fit technology

The shell and cushion of the mask can easily be moulded to fit individual needs. Once fixed it will hold its position



AIR^ogel[®]

The AIR^ogel[®] makes the MiniMe[®]2 a gentle fitting mask

Advanced Cushion Technology[™]

The ergonomic cushion technology delivers an effective seal for the most comfortable fit



Touchless Spacebar[™]

Unique design eliminates any contact with the patient's forehead

Size indicator

The masks are available in four sizes, from extra small to large

Vented and Non-vented versions available

For CPAP and bilevel therapy in children

360° rotating elbow

For optimal tube positioning and easier mobility

Code	Description	Colour coded elbow	Box Qty.
The masks below should be used with single limb breathing systems that do not contain a CO ₂ leak port			
2570000	MiniMe [®] 2 Paediatric nasal vented NIV mask size extra small	○	5
2370000	MiniMe [®] 2 Paediatric nasal vented NIV mask size small	○	5
2371000	MiniMe [®] 2 Paediatric nasal vented NIV mask size medium	○	5
2571000	MiniMe [®] 2 Paediatric nasal vented NIV mask size large	○	5
The masks below should be used with single limb breathing systems that have a CO ₂ leak port			
2470000	MiniMe [®] 2 Paediatric nasal non-vented NIV mask size extra small	●	5
2270000	MiniMe [®] 2 Paediatric nasal non-vented NIV mask size small	●	5
2271000	MiniMe [®] 2 Paediatric nasal non-vented NIV mask size medium	●	5
2471000	MiniMe [®] 2 Paediatric nasal non-vented NIV mask size large	●	5

Replacement headgears (now with five adjustment points)

Code	Description	Box Qty.
2670000	Replacement headgear for MiniMe [®] 2 sizes extra small and small	10
2671000	Replacement headgear for MiniMe [®] 2 sizes medium and large	10

MiniMe[®]2 and AIR^ogel[®] are registered trademarks of Sleepnet Corporation.

Touchless Spacebar and Advanced Cushion Technology are trademarks of Sleepnet Corporation.

Note: Not all products are available in all markets, please contact your local office for details.

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IS1.78 • Issue 2 05.26



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The manufacturer Intersurgical Ltd is certified to ISO 14001:2015, ISO 9001:2015, ISO 13485:2016 and MDSAP