Neonatal Care Solution

Caring for the most fragile lungs
Over the past decade, many countries across the globe are facing two major challenges; a steady decline in birth rates and an increase in premature babies. Premature babies often have breathing difficulties because their lungs are not fully developed and helping these little ones breathe is the vital step to help them survive. With years of experience in respiratory care and constant collaborations with clinicians and patients, we now offer a comprehensive range of products exclusively developed for neonates. Trust Babi.Plus, to breathe lives into your babies.

The backbone of Babi.Plus is a team of experienced physicians, respiratory therapists, nurses and medical device engineers putting together over 100 years of combined experience and knowledge to materialize the Babi.Plus concept.

Innovative and patent-pending Babi.Plus products offer a superior option in the treatment of respiratory distress for neonates and premature babies. It also facilitates healthcare professionals in delivering medical care and achieving better outcomes.

- nCPAP Bubble PAP Valve
- Humi.AIDE Humidifier and Heated Wire Circuit
- nBag Manual Resuscitator
- nVCM Resuscitator
- Oxi.Plus Nasal Cannula, Oxygen Mask and Hood
- Neb.Plus Nebulizer and Pacifier Adaptor
- Sil.Plus Neonate Breathing Circuit
- ERGO & TANGO Circuit Hanger
- nTest Lung
- GiO Digital Pressure Gauge
- Sil.Flex Stoma Pad and nHME
- Connectors and Accessories
Makes Every Breath Easier
nCPAP Bubble CPAP System

nCPAP Silicone Prong Nasal Kit

- Super soft silicone material to minimize skin irritation.
- Flattened and matted surface to minimize contact time with infant’s nose to avoid nasal collapse due to the death of stem cells.
- 8 sizes of nasal prongs available for newborn weighing from 500g to 5000g.
- Detachable tube clip for easy adjustment of tube position.
- Integrated pressure monitoring line to enable convenient monitoring of nasal prong pressure.
- Compatible with different circuit types and devices (e.g. GiO Digital Pressure Gauge).
- DEHP-free.

BN11 nCPAP Nasal Kit (#0 & 1) ; adjustable length
BN12 nCPAP Nasal Kit (#2 & 3) ; adjustable length
BN13 nCPAP Nasal Kit (#4 & 5) ; adjustable length
BN14 nCPAP Nasal Kit (#6 & 7) ; adjustable length

nBubble PAP Valve

- First Bubble CPAP to receive US FDA approval.
- Delivers accurate back pressure to promote respiratory effort and lung growth in newborns.
- Patent-pending bubble diffuser creates even bubble sizes to stimulate healthy alveolar growth.
- Rotatable pressure adjustment lever, designed to improve accuracy, safety and convenience.

BC01 Bubble PAP Valve
nCPAP Bubble CPAP System

PLS Valve
A safeguarding valve to release pressure that exceeds the preset level.

BC22 Fixed Pressure Limiting System, 10cmH₂O
BC21 Adjustable Pressure Limiting System, 2-10cmH₂O

Neonatal Humidification Chamber
Equipped with a highly sensitive auto-feeding mechanism to maintain the water level. Special alloy heater plate that reduces heating time and a lower water level that decreases the interruption to ventilator settings.

3431 Auto-feeding Neonatal Humidification Chamber

GIO Digital Pressure Gauge
Portable and compact device that provides highly accurate pressure readings in kPA, cmH₂O or mBar. The P & H function design captures and holds the peak pressure reading.

GB10 GIO Digital Pressure Gauge 0-30cmH₂O
Manual Resuscitator

**nBag Resuscitator**
- Improved material for better tactile feedback of the premature baby’s lungs.
- Patent-pending ball-body design for 20ml and 50ml stroke volume.
- Mini non-rebreathing valve for lower dead space, minimizing CO₂ retention.
- Expandable oxygen reservoir provides enhanced oxygen concentration.
- DEHP-free and Latex-free material to minimize the risk of skin irritation.

**nVCM Volume Control Manual Resuscitator**
- 7 resuscitation volumes (15ml, 25ml, 35ml, 45ml, 55ml, 65ml, 75ml) and 2 pressure relief levels (25/40cmH₂O) to reduce and avoid possible hyperventilation and alveoli injury.
- Mini non-rebreathing valve produces lower dead space and allows easier monitoring.
- Extendable tube for increased flexibility.
- Ergonomic push-to-compress design for easy access.
- Expandable oxygen reservoir provides enhanced oxygen concentration.
- DEHP-free and Latex-free material to minimize the risk of skin irritation.

**Dispo.Bag Resuscitator, Infant**
- Provides up to 90ml of stroke volume for patients under 8kg
- ISO standard patient connector 22/15mm and 40cmH₂O pressure relief valve.
- Additional port for bacteria filter, pressure manometer and PEEP valve.
- Materials conform to ISO 10993 bio-compatibility requirements.

**Sil.Flex Mask, Infant**
- Soft silicone material to minimize skin irritation.
- 15mm connector with two level barb design for easier attachment and better fixation.

**BR10 nVCM Resuscitator**
**BR12 nVCM Resuscitator with Mask #0**
**BR13 nVCM Resuscitator with Mask #1**
**BR30 nBag Resuscitator**
**BR32 nBag Resuscitator with Mask #0**
**2329 Dispo.Bag Resuscitator, Infant**
**2328 Dispo.Bag Resuscitator with Mask, Infant, #0**
**5120 Sil.Flex Silicone Mask, #0**
**5121 Sil.Flex Silicone Mask, #1**
Manual Resuscitator

Venti.Plus Hyperinflation System

- Adjustable exhalation port to control pressure.
- Soft breathing bag to increase ventilation volume and lung expansion, achieving higher gas exchange efficiency.
- Built-in pressure manometer for airway pressure monitoring and patient observation.
- Built-in suction port for easy airway clearance without interrupting ventilation.
- Extended oxygen tubing to the patient to lower dead space and minimize CO₂ retention.

H025      Hyperinflation System, 0.25L
H050      Hyperinflation System, 0.50L
H025-M    Hyperinflation System, 0.25L with Mask #0
H050-M    Hyperinflation System, 0.50L with Mask #1
**Aerosol Therapy**

- **Neb. Plus Low Flow Nebulizer**
  - Low flow rate at 1 LPM decreases interruption to the newborn breathing pattern and the tidal volume setting of ventilation.
  - Supplemental gas line for connection to helium or other air sources for different treatment options.

- **Babi. Plus Bear Pacifier Adapter**
  - Elastic circular ring accommodates most pacifier with round or square extended part for neonatal aerosol therapy delivery.

- **Babi. Plus Pacifier Adapter**
  - Quick attachment design, compatible with most pacifier.

**Neb. Plus Low Flow Nebulizer**
- Nebulizer flow rate: 1-3.5 LPM
- MMAD: 2.03μm/1 LPM
- Nebulization rate: ≈ 0.02 ml/min
- Nebulizer Volume: 20 ml
- Medication fill port for long term therapy.
- DEHP-Free and Latex-Free material to minimize the risk of skin irritation.

**Neb. Super Nebulizer**
- Nebulizer flow rate: 6-10 LPM
- MMAD: 3.7 μm/8LPM
- Nebulization rate: ≈ 0.63 ml/min
- Nebulizer Volume: 20 ml
- High nebulizer efficiency to shorten therapy time.
- DEHP-Free and Latex-Free material to minimize the risk of skin irritation.

**Neb. Easy Nebulizer**
- Nebulizer flow rate: 6-10 LPM
- MMAD: 3.5 μm/8LPM
- Nebulization rate: ≈ 0.25 ml/min
- Nebulizer Volume: 6 ml
- DEHP-Free and Latex-Free material to minimize the risk of skin irritation.

- **NB01** Neb. Plus LF1 Nebulizer
- **NB02** Neb. Plus LF2 Nebulizer w/ Supplemental Gas Line

- **NH51** Neb. Super Nebulizer Kit
- **NM51** Neb. Super Nebulizer Kit w/ mask, Child

- **3551** Neb. Easy Nebulizer Bottle 18M
- **3558** Neb. Easy Nebulizer Kit 18M
- **3555** Neb. Easy Nebulizer Kit 22F
- **3570** Neb. Easy Nebulizer & Mask, Child

* Should you have questions regarding the nebulizer bottles, please contact your regional sales office.
Aerosol Therapy

- Dofin MDI Spacer
  - Beneficial to young children and elderly patients who have difficulty in coordinating MDI puffs with inspirations.
  - Increases up to 25% aerosol inhalation rate to minimize medication wastage.
  - Universal MDI adaptor for more flexible use in all angles.
  - Optimization of aero-dynamics of the medications.
  - Easy to clean and carry.
  - Materials conform to ISO 10993 bio-compatibility requirements.

Dofin Spacer Set
(includes 1 set of Dofin spacer with mouth piece)

5256  Durable Spacer Mask #2
5257  Durable Spacer Mask #3
5258  Durable Spacer Mask #4
Oxygen Therapy

- **Oxi.Hood Oxygen Hood**
  - High transparent hood and soft-foam neck pad for easy observation and improved comfort.
  - 3 sizes for premature and newborn babies to provide a better fit, enhance oxygen supply efficiency and decrease carbon dioxide accumulation.
  - Dual oxygen port for gas analyzer and:
    - 22/15mm multi-function connector for aerosol therapy
    - Lite Adjustable Venturi adaptor for precise oxygen concentration
    - 15/6mm connector for oxygen tubing
  - Weighted bar and channel design increase the hood weight to secure the hood in position.
  - Materials conform to ISO 10993 bio-compatibility requirements.

- **Lite Adjustable Venturi Adaptor**
  Precise adjustments of oxygen concentrations from 24% to 90%.
  OV30 Lite Adjustable Venturi Adaptor 24~90%

- **Oxi.Plus Nasal Cannula Loop**
  - Hypoallergenic silicone prongs and soft ear padding minimize skin irritation and prevent pressure sore.
  - Designed to connect to a flow indicator for the detection and indication of nasal prongs on tubing air flow problems.

  ON10 Oxi.Plus Nasal Cannula Loop #0, 45cm
  ON11 Oxi.Plus Nasal Cannula Loop #1, 60cm
  OF21 Oxygen Tubing with Flow Indicator Adaptor 1.6m
  OF22 Oxygen Tubing with Flow Indicator Adaptor 2.0m

- **Oxi.Plus Oxygen Mask**
  - Ergonomic mask shape design for a better fit.
  - DEHP-free material to minimize the potential risk.
  - Latex-free, soft and comfortable head strap evenly distributes pressure to reduce pressure sores.
  - Designed to connect to a flow indicator to detect and indicate air flow condition or occlusions of nasal prongs or tubing.

  OM10 Oxi.Plus Oxygen Mask #0, 15cm
  OM11 Oxi.Plus Oxygen Mask #1, 30cm
Humidification Therapy

Humi.AIDE 7 Respiratory Humidifier
- Monitors humidity and temperature simultaneously.
- Audio and visual alarm for the entire system.
- Multiple operating modes: IPPV, NIPPV and Manual.
- Can be mounted on ISO standard rail mount or pole clamp.
- Optional auto-feeding chamber, nCPAP circuit, single and dual ventilator circuits.
- Materials conform to ISO 10993 bio-compatibility requirements.

Humi.AIDE 5D Humidifier
- Double overheat protection system to ensure patient safety.
- High efficiency heat conduction plate enhances humidification rate.
- Temperature display for monitoring of the temperature at the receiving end of the patient and the heater.
- Ideal for home care and aerosol therapy.
- Lightweight, compact and user friendly.

Humi.AIDE 5 Humidifier
- Double overheat protection system to ensure patient safety.
- High efficiency heat conduction plate enhances humidification rate.
- Temperature adjustment knob for quick and easy control.
- Ideal for home care and aerosol therapy.
- Lightweight, compact and user-friendly.

HD71 Humi.AIDE 7 Respiratory Humidifier, 115V
HD72 Humi.AIDE 7 Respiratory Humidifier, 230V
HD51 Humi.AIDE 5D Humidifier, 120V
HD52 Humi.AIDE 5D Humidifier, 240V
HA51 Humi.AIDE 5 Humidifier, 120V
HA52 Humi.AIDE 5 Humidifier, 240V
Disposable Breathing Circuit

- **H732** Neonatal Single Heated Wire Circuit with Chamber
- **H742** Neonatal Dual Heated Wire Circuit with Chamber
- **H731** Neonatal Single Heated Wire Circuit
- **H741** Neonatal Dual Heated Wire Circuit

- **Humidifier Chamber, Neonate**
  - Neonatal auto-feeding chamber for humidification.
  - Materials conform to ISO 10993 biocompatibility requirements.

- **Disposable Water Trap**
  - 70038 Water Trap 10M, Y-type
  - 70012 Water Trap 15M, Y-type
  - 7WOP52 Dispo. Neonate Water Trap 10M, L-type
  - 7WPP52 Dispo. Neonate Water Trap 10M, Y-type
  - 7WPP62 Dispo. Neonate Water Trap 15M, Y-type

- **Disposable Closed System Water Trap**
  - 7WJP51 CS Water Trap 10M, Y-type
  - 7WP61 CS Water Trap 15M, Y-type
  - 7WP51 CS Water Trap 10M, L-type
  - 7WHP51 CS Water Trap Kit 10M, Y-type
  - 7WHP61 CS Water Trap Kit 15M, Y-type
  - 7WFP51 CS Water Trap Kit 10M, L-type

- **Disposable Elbow Connector**
  - 72224 Elbow Connector, 4.3M, 4M

- **Disposable Straight Connector**
  - 74008 Straight Connector, 10M, 10M
  - 75185 Temperature Connector, 10F, 10M, 7.6F
  - 75186 Temperature Connector, 10F, 10M, Luer

- **Disposable Wye Connector**
  - Y3030K Wye Connector, 15M, 10M, 10M
  - Y3034K Wye Connector, 15M, 10M, 10M, Luer
  - Y3037K Wye Connector, 15M, 10M, 10M, 7.6F

- **Disposable Swivel Wye Connector**
  - 7YDD31 DSY Neonatal Swivel Wye Connector, 7.6F with Cap
  - 7YDD32 DSY Neonatal Swivel Wye Connector with L4B Connector
  - 7YDD33 DSY Neonatal Swivel Wye Connector with L6B Connector
  - 7YDD34 DSY Neonatal Swivel Wye Connector with Luer L Connector
Durable Breathing Circuit

6785 Sil.Plus Neonatal Durable Breathing Circuit and Water Trap (chamber not included)

**Durable Elbow Connector**
- L0030F: PSF Elbow Connector, 15F, 15M
- L0039F: PSF Elbow Connector with Suction Port, 15F, 15M
- L0050F: PSF Elbow Connector, 7.6M, 4B
- L0040F: PSF Elbow Connector, 7.6M, 6B
- 7LG01: PSF Elbow Connector, 7.6M, Luer

**Durable Straight Connector**
- S0070F: PSF Straight Connector, 10M, 10M
- S0117F: PSF Straight Connector, 10M, 10F
- S0540F: PSF Straight Connector, 10M, 22F

**Durable Wye Connector**
- Y3030F: PSF Wye Connector, 15F, 10M, 10M
- Y3037F: PSF Wye Connector, 15F, 10M, 10M, 7.6F

**Pressure Line**
- 31901: Silicone Pressure Line, 8/5mm, 2M
- 31911: Silicone Pressure Line, 7/4mm, 2M

**Durable Water Trap**
- RA01: PSF Water Trap, 15M

**Silicone Breathing Circuit**
- ST03: Sil.Plus Breathing Circuit, 10F, 30cm
- ST06: Sil.Plus Breathing Circuit, 10F, 60cm
- 77017: A Plus Breathing Circuit, 10F, 7.5cm

**Humi.AIDE Durable Humidifier Chamber**
- Toxicant-Free PSF material with high temperature tolerance.
- HA02: Humi.AIDE Durable Humidifier Chamber
Circuit Hanger

- Patent-pending fixture mechanism for easier operation.
- Minimizes the risk of injuries to patient and clinician resulting from accidental arm drop.
- Adjustable 3-in-1 circuit holder accommodates most adult, pediatric and neonatal circuits.
- Standard ISO slip fits into the holder of Ergo pole clamp, table clamp, rail clamp, cradle or any other holders conforming to ISO 19054 standard.
- Extreme lightweight design, 25-30% lighter than metal circuit hangers.

**ERGO**

- EG22 ERGO 2 Circuit Hanger
- EG23 ERGO 3 Circuit Hanger

**TANGO**

- Patent-pending fixture mechanism for easier operation.
- Minimizes the risk of injuries to patient and clinician resulting from accidental arm drop.
- Flexible 3-in-1 circuit holder accommodates most adult, pediatric and neonatal circuits.
- Standard ISO slip fits into the holder of Ergo pole clamp, table clamp, rail clamp, cradle or any other holders conforming to ISO 19054 standard.
- Extreme lightweight design, 25-30% lighter than metal circuit hangers.

**SOLO**

- Ball shape adjustment hinge for multi-angle position of the arm.
- Adjustable 165 degrees 3-in-1 circuit holder accommodates most adult, pediatric and neonatal circuits.
- Stainless steel material for better stability and higher load.

**Hanger Clip**

- For attachment of various circuits onto the ERGO, TANGO & SOLO Hangers.
- Available in 22F, 15F, and 10F.

**Clip for GiO**

- For attachment of GiO Digital Pressure Gauges onto the ERGO, TANGO & SOLO Hangers.

EM11 SOLO Circuit Hanger with Table Clamp
EM12 SOLO Circuit Hanger with Rail Clamp
Other Related Products

**GIO Digital Pressure Gauge**
Portable and compact device provides highly accurate pressure readings in kPA, cmH₂O or mBar.
- GB10  GIO Digital Pressure Gauge 0-30cmH₂O
- GB30  GIO Digital Pressure Gauge -30-100cmH₂O

**nTest Lung**
Conforms to ISO-53561, variable resistance and compliance modules for various options.
- BL10  nTest Lung Kit, R145

**Disposable Latex-free Breathing Bag**
- 70142  Latex-free Breathing Bag, 0.25 Liter
- 70137  Latex-free Breathing Bag, 0.50 Liter

**ISO Pole Clamp**
Pole size: 2.0-3.2cm
Weight: 125g for Single Pole Clamp; 170g for Dual Pole Clamp.
- CL01  Single Pole Clamp
- CL02  Dual Pole Clamp

**ISO Table Pole Clamp**
Table thickness: 15-50mm
- CL03  Table Clamp

**ISO Rail Clamp**
Rail height: 10-35mm
- CL04  Rail Clamp

**Sil.Flex Stoma Pad**
 Patent-pending design and soft biocompatible material protects the stoma site while stabilizing the tracheostomy tube.
- SP00  Stoma Pad #0
- SP01  Stoma Pad #1
- SP02  Stoma Pad #2
- SP03  Stoma Pad #3

**Disposable Guedel Airway**
Hollow center of the Guedel Airway allows the insertion of a suction tube to maintain a clear airway.
- 6304  Guedel Airway, 40mm
- 6305  Guedel Airway, 50mm

**Disposable Berman Airway**
Holes on the dual-sided channel, designed to avoid occlusion during respiration.
- 6314  Berman Airway, 40mm
- 6315  Berman Airway, 50mm

**Disposable Bacterial Filter**
3M high efficiency filtration media minimizes up to 99% risk of cross-contamination of breathing circuit and other respiratory care device.
- 7FAD11  aF Bacterial Filter, 22/15mm, 22F/15mm, Luer
- 7FAD12  aF Bacterial Filter, 22/15mm, 22F/15mm

**Disposable Heat and Moisture Exchanger**
Lightweight and low-deadspace neonate HME to provide passive humidification for neonates under mechanical ventilation or anesthesia.
- HF11  nHME

**Disposable Connectors**
Durable and disposable neonate wye, straight, tee and elbow connectors with temperature, pressure and/or suction port; a large selection of connectors designed for neonate breathing circuits. The product brochures are available on galemed.com