

Z-Flo™ Fluidized positioner neonatal



Comforting, protecting and offloading to help infants thrive

Positioning infants for better outcomes.

Almost one of every 10 infants born in the United States is premature, according to the CDC¹. These premature babies face a higher risk of serious disability or death. In fact, about 17% of infant deaths are due to preterm-related causes.²

Mölnlycke® Z-Flo™ Fluidized Positioners for Neonates are specially designed to comfort, support and help premature and ill infants continue normal development with containment in an individually molded nest. The infinitely adjustable neonatal positioners allow the caregiver to custom-mold a shape to fit the infant's body for optimum comfort and protection while also accommodating a wide variety of medical conditions and equipment.



Achieving better sleep

Sleep is critical for premature infants, contributing to both physical and neurologic health and maturation. Sleep deprivation can result in loss of brain plasticity, smaller brains, altered learning and long-term behavioral challenges.²

In a randomised controlled trial on the use of a conformational fluidised positioner vs. standard positioning, infants calmed more easily, showed reduced wakefulness, and were observed to sleep better. Even neonates with surgical and gastrointestinal complications showed higher sleep efficiency.³

Supporting neuromuscular development

The neuromuscular developmental consequences of improper neonatal positioning are significant. All positioning (correct and incorrect) affects neurobehavioral organization, musculoskeletal development, neuromotor functioning and feeding performance. NICU positioning may even influence physiologic function and sleep/brain development.⁴


In a recent quality improvement project in a Midwest NICU, **Z-Flo Fluidized Positioners** were selected based on their overall ability to promote flexion, midline orientation, comfort and sleep. The developmentally supportive positioning product points to improved outcomes in flexor tone, symmetrical movement, head shape and ROM for NICU patients.⁵

Reducing risk

- With Z-Flo Fluidised Positioners for Neonates, the fluidized medium helps to offload bony prominences and the occiput to prevent pressure injuries while maintaining neutral body alignment. It also helps to reduce the risk of skin tears and pressure on ultra-sensitive skin.
- Because Z-Flo Fluidised Positioners can be molded to support and align medical tubing and lines, caregivers can avoid torque and tension that could affect infant tissues or position.⁴
- Now you can provide essential sleep and therapeutic neonatal repositioning using evidence supported fluidised positioners designed specifically for neonates' needs.³

Benefits of Z-Flo™ Fluidized Positioner:

- Minimises the harmful effects of friction, shear forces and abnormal interface pressure on the baby⁶
- Helps caregivers change the infant's position with minimal disturbance to the patient
- Conformational fluidised positioner provides better sleep efficiency³
- Maintains its shape until molded again
 - Does not flow or bottom out like gel positioners
 - Won't flatten or heat up like rolled towels and blankets
 - Doesn't shift, lose shape or retain moisture like foam positioning devices
 - Responds three-dimensionally without predisposition to any shape, unlike pillows or foams
- Can travel with infant across continuum of care*



“Positioning is not a benign intervention; every caregiver’s positioning knowledge, attitudes, and skills will have a lasting impact on NICU infants. Therapeutic positioning offers the potential to make a positive difference.”⁴

* Do not send the positioner home with patients less than 1 year old.

Ordering Information

Z-Flo™ Fluidized Positioner

Neonatal and Paediatric: Full Body

Product Code	Description	Dimensions	Pcs/ case
1400206	Full Body - Medium with cover	41 x 61cm	6
1400213	Large Full Body - Large with cover	51 x 76cm	4

Z-Flo™ Fluidized Positioner

Neonatal & Paediatric: Utility, tube and specialty products

Product Code	Description	Dimensions	Pcs/ case
1400227	Utility Positioner - Small with cover	18 x 25cm	12
1400239	Utility Positioner - Medium with cover	23 x 38cm	6
1400200	Utility Positioner - Large with cover	30 x 51cm	6
1400222	Small Tube with 3 disposable covers (Case of 6 positioners w/ 18 disposable covers)	76cm	6
1400224	Large Tube with cover	152cm	6

Reference: 1. <https://www.cdc.gov/reproductivehealth/maternalinfanthealth/pretermbirth.htm>, Accessed 9/26/18 2. Altmier, L., & Phillips, R. (2016). The neonatal integrative developmental care model: Advanced clinical applications of the seven core measures for neuroprotective family-centered developmental care. *Newborn And Infant Nursing Reviews*, 16, 230-244. doi:10.1053/j.nainr.2016.09.030. 3. Visscher, M., Lacin, L., Casper, T. et al. Conformational Positioning Improves Sleep in Premature Infants with Feeding Difficulties. *The Journal of Pediatrics*, 2014. www.jpeds.com 4. Hunter, J. (2010). Therapeutic Positioning: Neuromotor, Physiologic, and Sleep Implications. In *Developmental Care of Newborns and Infants, A Guide for Health Professionals*, 2nd ed pp. 285-312. Glenview: NANN.) 5. Barr, Jannie. The trials and tribulations of the introduction and implementation of new positioning products in the NICU. Poster presentation, Mid-America Neonatal Therapists Association 6. Brennan M and Laconti, D. Using Conformational Positioning to Reduce Hospital-Acquired Pressure Ulcers. *Journal of Nursing Quality*, 2013