

Provide the special attention neonates deserve

Infant Flow® LP



The ZOLL® Infant Flow® LP system* was designed for the special anatomy, physiology, and respiratory needs of infants. The Infant Flow LP generator was designed to help reduce the work of breathing (WOB) in infants.

Fluidic flip technology

Infant Flow LP utilizes the fluidic flip principle to redirect the gas flow during exhalation toward the exhalation path.

Bench and simulation studies have shown that the fluidic flip technology in the Infant Flow device may reduce expiratory WOB by automatically redirecting gas flow from inhalation to exhalation.¹⁻⁵

Lower driving pressure

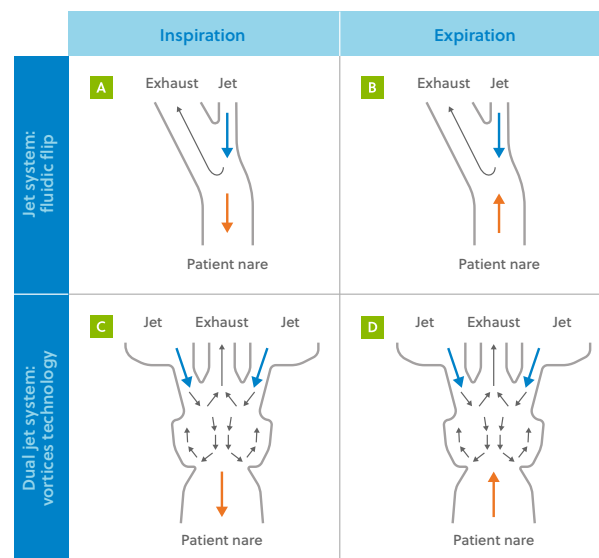
The Infant Flow LP generator is designed to utilize less driving pressure at the patient's nares, while requiring—on average—lower driving pressure compared to other variable flow devices.

Performance in biphasic mode

In a bench study comparing the Infant Flow LP generator, Infant Flow LP was found to reduce the WOB by 10% to 70% during triggered biphasic positive airway pressure using the SiPAP system, compared with the previous generation of Infant Flow.⁶

Designed with infants in mind

- Flexible bellows designed to help minimize pressure points
- Prongs and masks designed to help minimize skin breakdown
- Support block helps position generator, masks, and/or prongs
- Headgear and bonnet options available to support different head sizes
- Available with nCPAP, DuoPAP, and nIPPV†



Flow pattern during inspiration (A,C) and expiration (B,D) in two jet pressure generator systems: the Infant Flow (A,B) and the Infant Flow LP (C,D).⁷



Infant Flow LP nCPAP generator/circuits

Part #	Description	UM
7772020LP	Infant Flow LP generator kit, including generator, sizing guide, and small/medium/large nasal prongs. For single patient use	10/box
7772000LP	Infant Flow LP generator kit, including generator, sizing guide, no nasal prongs. For single patient use.	10/box
7772011 [†]	Infant Flow LP nCPAP generator/circuit kit (F&P MR 730 & 850 humidifiers)	10/case
7772021 [†]	Infant Flow LP nCPAP generator/circuit kit (F&P MR 730& 850 humidifiers)	20/case



Infant Flow LP bonnets

Part #	Description	Meas.	UM
777010	Size 000	18–20 cm	10/pkg
777012	Size 00	20–22 cm	10/pkg
777014	Size 0	22–24 cm	10/pkg
777016	Size 1	24–26 cm	10/pkg
777018	Size 2	26–28 cm	10/pkg
777020	Size 3	28–30 cm	10/pkg
777022	Size 4	30–32 cm	10/pkg
777024	Size 5	32–34 cm	10/pkg
777026	Size 6	34–36 cm	10/pkg
777028	Size 7	36–38 cm	10/pkg



Infant Flow LP headgear

Part #	Description	Meas.	UM
777040XS	Size Extra Small	17–21 cm	10/pkg
777040S	Size Small	21–26 cm	10/pkg
777040SM	Size Small/Med	24–28 cm	10/pkg
777040M	Size Medium	26–32 cm	10/pkg
777040L	Size Large	32–37 cm	10/pkg
777040XL	Size Extra Large	37–42 cm	10/pkg



Infant Flow LP nasal mask

Part #	Description	UM
777000XS	Size Extra Small	10/pkg
777000S	Size Small	10/pkg
777000M	Size Medium	10/pkg
777000L	Size Large	10/pkg
777000XL	Size Extra Large	10/pkg



Infant Flow LP nasal prongs

Part #	Description	UM
777000XS	Size Extra Small	10/pkg
777000S	Size Small	10/pkg
777000M	Size Medium	10/pkg
777000L	Size Large	10/pkg
777000XL	Size Extra Large	10/pkg



For more information, visit [zoll.com](https://www.zoll.com).

¹Drevhammar T, et al. *Pediatr Crit Care Med*. 2012 Mar;13(2):e113–9. Doi: 10.1097/PCC.0b013e31822f1b79.

²Wald M, et al. *Artif Organs*. 2011 Jan;35(1):22–8. Doi: 10.1111/j.1525-1594.2010.01020.x.

³Drevhammar T, et al. *Pediatr Crit Care Med*. 2013 May;14(4):e196–201. Doi: 10.1097/PCC.0b013e31827212e4.

⁴Dibiasi RM. *Respir Care*. 2009 Sep;54(9):1209–35. PMID: 19712498.

⁵Drevhammar T, et al. *Acta Paediatr*. 2021 Mar;110(3):811–817. Doi: 10.1111/apa.15502.

⁶Flink RC, et al. *Arch Dis Child Fetal Neonatal Ed*. 2015 Jul;100(4):F327–31. Doi: 10.1136/archdischild-2014-307197.

⁷Lavizzari A, et al. *Pediatr Pulmonol*. 2023 Sep;58(9):2442–2455. Doi: 10.1002/ppul.26561.

*The Infant Flow LP system has been validated with the fabian® and bellavista® ventilators. The fabian ventilator is not available in the United States.

†DuoPAP and nIPPV are analogous to biphasic in this setting.

‡Circuit kits (IFLP and circuit kits) are not available in all markets. Please contact your ZOLL representative for more details.

ZOLL Medical Corporation

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