

insolare™

Infant Nasal Cannula Line

Vapotherm, the leading innovator of high flow oxygen therapy takes the technology of optimizing gas conditioning to a new level with the launch of the Insolare™ infant nasal cannula, for use with our high flow products.

The Insolare™ infant nasal cannula utilizes a patent pending design to minimize heat loss and rain-out while improving safety and performance at lower flow rates.

Key Benefits of Insolare™

- Reduced heat loss
- Reduced condensation
- Prongs sized to maintain open system
- Engineered to optimize patient comfort
- Available in dual and single prong design
- Designed for low flows and patients up to 24 months

The slower the flow rate, the higher the heat loss

A traditional cannula has the greatest heat loss and condensation at the lowest of flows. At low flow rates, the gas that passes through the lumen of the cannula cools down, causing the vapor to condense. By accelerating the flow through the cannula, it reduces the residence time and reduces the opportunity for temperature to decrease and rain-out to occur.

The gas is accelerated through the tubing by blocking the flow through one of the two supply tubes passing through to the nasal prongs. Both nasal prongs are supplied with gas. The difference is the gas is supplied by only one side of supply tubes to both prongs. **(Fig. 1)**

Insolare™ SOLO™ Nasal Cannula

The Insolare™ SOLO™ is a single prong infant nasal cannula. This cannula was developed for infants in the patient population that require high flow therapy and have one nare utilized for nasogastric tubes or feeding tubes. **(Fig. 2)**

The new line of Insolare™ and Insolare™ SOLO™ is an extension of the Vapotherm high flow therapy nasal cannula for use with the Precision Flow® and 2000i® devices. The Insolare™ Infant Nasal Cannula line offers additional benefits for patients that require low flow rates.

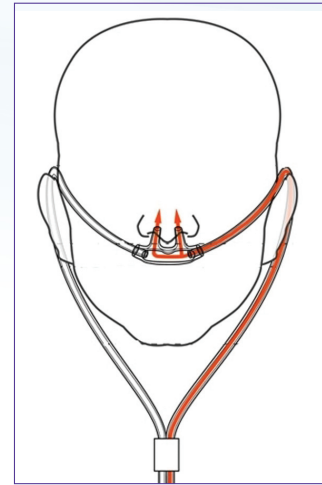


Fig. 1

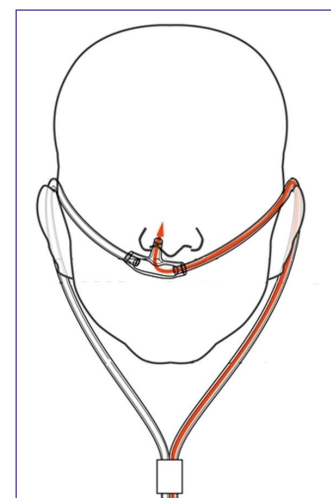


Fig. 2

Insolare™ Infant Nasal Cannula FAQs

Performance Characteristics

- Over-the-ear style cannula for the delivery of heated and humidified breathing gas to infants
- Clear, light weight cannula with curved tapered nasal prongs

What is the benefit of the Insolare™ nasal cannula?

At low flow rates, it can be challenging to prevent condensation in the nasal cannula. The Insolare™ high flow therapy cannula is a patent pending design made specifically for reducing temperature loss and rain-out. At low flow rates, the gas that passes through the lumen of the cannula can cool down causing the vapor to condense. By accelerating the flow through the cannula, it reduces the “residence time” and reduces the opportunity for temperature to decrease and rain-out to occur. The gas is accelerated through the tubing by blocking the flow through one of the two supply tubes that communicates to the nasal prongs. Note that both nasal prongs are supplied with gas. The difference is that the gas is supplied by one side to both prongs. The Insolare™ is an extension of our HFT™ cannula line offering additional benefit for patients that require low flow rates.

At what flow rates is the Insolare™ most effective?

The slower the flow rate, the higher the heat loss. Traditional cannulas have the greatest heat loss at the lowest of flows. As you increase the flow rate through the cannula there is less heat loss. The Insolare™ is most impactful at lower flow rates between 1-3 liters per minute. This is why the Insolare™ line is only available for the infant cannula line.

What cannulas are we offering?

IMN1100A	INSOLARE™ Premature Cannula
IMN1100B	INSOLARE™ Neonatal Cannula
IMI1300	INSOLARE™ Infant Cannula
IMI1300B	INSOLARE™ Intermediate Cannula
ISOLO1300	INSOLARE™ SOLO™ Infant Cannula