Biofeedback control of the F&P Adult Nasal Cannula is immediate: the user can control the temperature and humidity levels delivered across the entire therapy flow range with real-time inputs. The unique F&P Optiflow Nasal Cannula is lightweight, flexible and is purposely made to deliver respiratory comfort and allow spontaneous nasal exploration while the nose fill can be varied to optimize airflow, allowing dorsal septum distal "flush" if needed.

The F&P 850™ System is comprised of the MR850 heated humidifier, MR290 auto-fill heated humidification chamber and RT202* RT Series heated breathing circuit. The system - comprising the heated humidification chamber and MR850 heated breathing circuit - delivers Optimized Humidity to the Optiflow Nasal Cannula. This proprietary system has been designed specifically for use with the F&P Optiflow Nasal Cannula, providing the temperature and oxygen levels required in an air-cure setting without the need for piped air.

The MaxVenturi™, an all-in-one venturi blender, is also made available. The MaxVenturi™, combined with the MR850 and MR290, provides a complete solutions set for use with the F&P Optiflow Nasal Cannula.

The F&P Optiflow Nasal Cannula is lightweight, flexible and ergonomically moulded to deliver exceptional comfort around the sensitive nasal septum while the wide-bore cannulae are shaped to disperse airflow, avoiding the uni-directional "jet" of traditional cannulae. The F&P Optiflow Nasal Cannula is supplied with a choice of either a flexible or rigid reinforced septum to ensure the highest level of comfort and satisfaction for the user.

The F&P Optiflow Nasal Cannula offers superior science and care, providing the flow rates and oxygen levels required in an acute care setting without the need for piped air. The F&P Optiflow Nasal Cannula provides the flow rates and oxygen levels required in an acute care setting without the need for piped air.

Fisher & Paykel Healthcare is committed to advancing our capabilities as a world leader in humidified therapy systems with a comprehensive family of solutions that restore natural balance. We call this our F&P Adult Respiratory Care Continuum. At every point of the continuum are humidified therapy systems with a comprehensive family of solutions that restore natural balance. Fisher & Paykel Healthcare is committed to advancing our capabilities as a world leader in humidified therapy systems with a comprehensive family of solutions that restore natural balance.
Advanced oxygen delivery, providing more comfortable and efficient care to patients

A LEADING-EDGE THERAPY SOLUTION

Nasal High Flow (NHF)™ is a new respiratory care therapy delivering high flows of blended oxygen through a unique Optimal Humidity™ Nasal Cannula. This allows comfortable, effective delivery of up to 100% oxygen, creating an ideal solution for your hypoxic patients in need to moderate respiratory distress.

Optimal Humidity is vital to Nasal High Flow

Why is NHF so effective?

The combination of Optimal Humidity with nasal cannulae allows a greater level of respiratory support than traditional oxygen therapy, delivering high flows comfortably and effectively. Contributing to this is the delivery of four key benefits:

1. Delivers up to 100% oxygen more accurately: A fundamental issue associated with traditional oxygen therapy uncertainty around the level of oxygen patients are receiving. NHF, for example, is able to monitor the patient’s actual inspired oxygen delivery more accurately and at a lower cost per liter of gas compared to traditional flow therapy.

2. Minimizes therapy interruption: Traditional nasal cannulae and humidification systems can lead to increased therapy interruption as patients wean or their condition improves by bridging the gap between high flows and traditional nasal cannulae. This greater degree of flexibility eliminates the need to change between oxygen delivery systems as patients wean or their condition becomes more stable.

3. Minimizes mouth dryness: With the delivery of high flows directly to the nose, a feeling effect occurs in the pharynx. The sensation levels above 60 l/min can lead to a feeling of dryness and discomfort. Optimal Humidity mimics the balance of temperature and humidity that occurs in healthy, normally functioning airways.

4. Optimizes mucociliary clearance: What is vital to nasal health is the delivery of Optimal Humidity. Without it, the comfortable delivery of high flows directly into the nares would be impossible.

5. Displaces noninvasive ventilation: This greater degree of flexibility eliminates the need to change between oxygen delivery systems as patients wean or their condition becomes more stable.

LIMITATIONS OF TRADITIONAL OXYGEN THERAPIES

Traditional oxygen therapies can be limited in use and can compromise patient comfort. Common exceptions can include nasal cannulae and nasal masks which are considered by flow, humidity and anatomy of expired oxygen. As a patient’s respiratory status changes, the decision is made by changing oxygen therapies to balance comfort and compliance, often resulting in the application of multiple oxygen therapy systems (low flow nasal cannulae, venturi masks, non-rebreather masks etc). The changing of systems can lead to increased therapy interruption and decreased comfort and compliance.

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