



Alpha series

The full spectrum of IPPB therapy

Homecare
Pneumology
Neonatology
Anaesthesia
INTENSIVE CARE VENTILATION
Sleep Diagnostics
Service
Patient Support



IPPB THERAPY

Secretion management, recruitment and drug nebulization for daily clinical use



- Universal IPPB device for adult and pediatric use
- Manual control option
- Infinitely adjustable expiration resistance
- Sensitive trigger range
- Integrated drug nebulizer
- Operation with central gas supply
- Optional oxygen connection

alpha

The full spectrum of IPPB therapy

alpha 301

IPPB therapy with optional drug nebulization as well as compressed air and oxygen connections to the central gas supply

- Intensive care units
- Intermediate care units
- Recovery rooms



alpha 302

IPPB therapy with optional drug nebulization and oxygen connection to the central gas supply

- General care units
- Intensive care units
- Intermediate care units
- Recovery rooms



Optional products

1. alpha cart
2. Oxygen supply tube
3. Compressed air supply tube
4. IPPB tube set

I. Cart



This cart is designed for mobile use in hospital settings. Its optional add-on boxes can accommodate tube systems, aerosol drugs, or physiological saline solution for humidification.

AARC Clinical Practice Guideline

Intermittent Positive Pressure Breathing 2003 Revision & Update

Recruitment

- Prevention of alveolar collapse of the smaller airways
- Recruitment
- Improved ventilation and oxygenation

Secretion management

- Secretion management with liquefaction and mobilization of secretions
- Improved cough effectiveness
- Cough provocation

Oxygen therapy

- Continuation of oxygen therapy
- Secretolysis and bronchospasmolysis with auxiliary drug nebulization therapy

2. Oxygen supply tube



The 3-meter oxygen supply tube in the DIN version has black coding and is compatible with NIST connections. Different plug-in connections, color codings, and tube lengths are available for connecting to the central gas supply.

3. Compressed air supply tube



The 3-meter compressed air tube in the DIN version has black coding and is compatible with NIST connections. Different plug-in connections, color codings, and tube lengths are available for connecting to the central gas supply.



Improving ventilation with recruitment

Respiratory therapy with intermittent positive pressure breathing (IPPB therapy) is a recognized treatment concept for obstructive respiratory disease. The slow, deep inspiration supported by the respiratory therapy device can lead to better pulmonary ventilation, improved gas exchange, and better aerosol deposition. The optional, adjustable exhalation stricture, which changes the resistance during expiration, contributes to this as well by ensuring that poorly ventilated peripheral lung segments receive a better air supply. This in turn has prophylactic effects, since good ventilation is the best preventative measure against infection.



Assisting aerosol and oxygen therapy

In case of heavily reduced ventilation reserves or pronounced respiratory failure, it may be indicated to administer aerosols through auxiliary inhalation. IPPB therapy can also be supplemented with drug nebulization, such as bronchospasmolytic or secretolytic substances, for obstructive diseases. At the same time, oxygen therapy may be continued during respiratory therapy when needed.



Secretion management and improved cough effectiveness

The adjusted intermittent pressure loosens secretion membranes and moves them to the peripheral bronchial walls for ciliary transport or expectoration. This allows the underlying pulmonary areas to again participate in the gas exchange. Another positive effect of IPPB therapy is the cough reflex it causes, which can significantly improve the bronchial hygiene and secretolysis of patients.

4. IPPB tube set



The IPPB tube set includes all necessary accessories for immediate use with patients. The mouthpiece, drug nebulizer chamber, and connection tubes are pre-configured or included in the package.

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