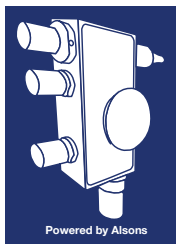


Alsons
Building a Healthier Tomorrow



Powered by Alsons

ALNNO VENTURA

HFNO / CPAP DEVICE

ISO 13485: 2016 and ISO 9001: 2015
SYSTEM CERTIFIED COMPANY



DRAP Device Registration No.
MDMR-000082

APPROVED BY



SUPPORTED BY



UNDER LICENSE FROM



INTRODUCTION & COMPANY PROFILE

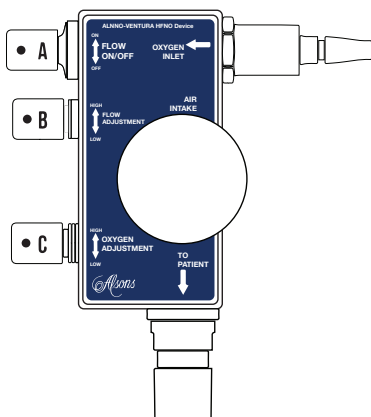
The Alsons Group with over 70 years of precision engineering and manufacturing experience has developed a lifesaving HFNO/CPAP device that is safe, effective, cost efficient and easy to use. The AlnoVentura HFNO/CPAP device follows the designs and specifications of the UCL Ventura, a UK Qualified Sophisticated HFNO/CPAP Device, manufactured under license and manufacturing instructions from UCL Institute of Healthcare Engineering. The UCL Ventura was designed as a collaboration between UCL Institute of Healthcare Engineering, UCL Mechanical Engineering, University College London Hospital (UCLH) and Mercedes-AMG High Performance Powertrains.



The AlnoVentura HFNO/ CPAP device was developed with the support of the Pakistan Engineering Council and the Ministry of Science and Technology, and has been approved for medical use by the Drug Regulatory Authority of Pakistan. Alsons is also ISO 9001:2015 QMS and ISO 13485:2016 certified for Medical Device. This device has also been exported to six different countries by The Alsons Group including Bangladesh, Malawi and Maldives.

TECHNICAL SPECIFICATION

The AlnoVentura HFNO/CPAP device is a breathing aid device that works on a time proven venturi effect to blend Air- O₂ ranging from 35-100% FiO₂, with safe limit positive pressure up to 20 cm H₂O and flows of 0-60 lpm.



The device is aimed to support the patient's pulmonary impairment, hypoxemia - tachypnea, restore lung volumes by restoring de-recruited population of alveoli. Simply managing effective Flow and FiO₂, weaning off patient subsequently.



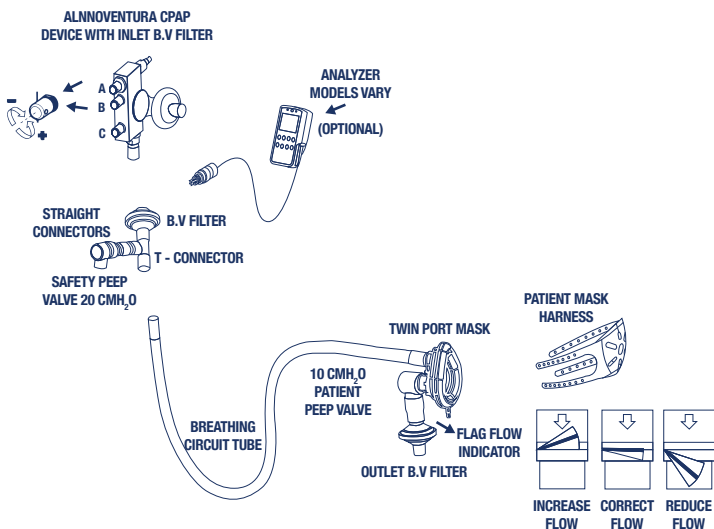
SPECIFICATIONS



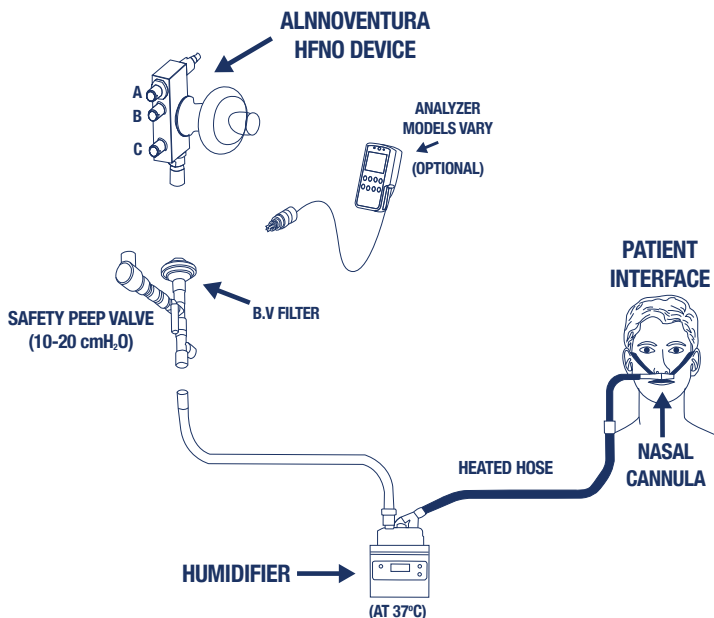
DESCRIPTION	RANGE
OVERALL DIMENSIONS	160 mm x 140 mm x 50 mm (height) x (width) x (depth)
WEIGHT	0.49 kg (495 grams)
STORAGE CONDITION	O ₂ FLOW RATE OF 11, 14, 17 L/MIN AT FIO ₂ LEVELS OF 30%, 40%, 60%
O ₂ SUPPLY PRESSURE	0 to 40°C (Temperature) 0 to 95% RH (Humidity)
CONTROLS	1. VGas flow on/off 2. Flow Rate (no dial scale) 3. FiO ₂ (no dial scale)
FiO ₂ ADJUSTMENT RANGE	35-100%
FLOW TO PATIENT CIRCUIT	0-60 lpm

- HFNO doesn't augment tidal volumes, so this may promote a more lung-protective ventilation pattern.
- With the use of a closed system and viral filters, this is reasonably safe regarding viral transmission.
- The device is easy to operate and to train medical staff to use.
- HFNO systems provide humidified air, which is comfortable for the patient and can be administered via nasal cannula.

USING ALNNOVENTURA AS A CPAP DEVICE



USING ALNNOVENTURA AS AN HFNO DEVICE



USES OF CPAP & HFNO DEVICES

- Acute heart failure
- Acute Respiratory Distress Syndrome (ARDS)
- Asthma
- Bronchiectasis
- Chest trauma - such as fractured ribs
- Exacerbation of Chronic Obstructive Airways Disease (COPD)
- Lung cancer
- Pneumonia
- Pulmonary edema

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