

ADVANCING HEALTHCARE TECHNOLOGY



PRODUCT CATEGORY:  
MEDICAL OXYGEN SUPPLY SYSTEMS

PRODUCT NAME:  
HU-RAK02

PRODUCT DESCRIPTION:  
MEDICAL OXYGEN GENERATING UNIT - 13 LPM +/- 2 LPM



**Product Codes:** HU-RAK02; HU-RAK04; HU-RAK06

**Area of Use:** Normal Care to Intensive Care, High Care, Operating Theatre

**Intended Use:** An Oxygen concentrator device / oxygen supply system is used to generate medical grade oxygen to supply various areas in a medical facility. Oxygen concentrators filter the surrounding air, compressing it to the required density and then delivering purified medical grade oxygen into a delivery system. It's also equipped with special filters and sieve beds which help remove Nitrogen from the air to ensure delivery of purified oxygen. These devices are compact, lighter and less bulky than traditional oxygen tanks.

## HU-RAK02 SPECIFICATIONS

SPECIFICATIONS:	
Purity Of Oxygen:	93+/- 3%
Oxygen Flow Rate:	13+/- 2 LPM (16 +/- 2 LPM)
Oxygen Supply Pressure:	1.5 bar / 4-5 bar
Power Consumption:	800 VA $\pm$ 10 % / 1.0KVA $\pm$ 10 % (980 VA $\pm$ 10 % / 1.2KVA $\pm$ 10 %)
Input Voltage:	230 VAC / 50 Hz (220 VAC / 60 Hz)
Noise:	Below 60 dB
Weight:	115 kg / 130 kg
Dimensions:	603 mm x 766 mm x 888 mm
Alarm:	Power Failure alarm, oxygen purity alarm.

## ADDITIONAL INFORMATION

- The unit produces high quality, medical grade oxygen from compressed air with a oxygen purity level of +/- 93%.
- The unit is supplied with a built-in purity analyser.
- The unit consists of:
  - Two oxygen generator modules + 1 booster unit
  - Capacity: 1 oxygen generator module: +/- 7 liters per minute
  - Capacity: 2 oxygen generator modules: +/- 14 liters per minute.
  - Maximum Capacity: 1 oxygen machine: up to 20 000 liters per day.
- Replaceable modular units and 24 hours' sustainability of Oxygen production (real-time generation).
- The units generates +/- 15 liters per 1 KW (compared with international standard of 10 liters per 1 KW)
- Working temperature: 0°C to 40°C.
- Complies to International Quality Standards: ISO13485/ISO9001.
- Cost savings compared to known oxygen supply systems.
- Space-saving compared to large manifold systems.
- Limit explosion hazard.
- Limit facility damage due to bulky/heavy gas cylinders.
- Reduce burden of more labour cost.

## PROPOSED SYSTEM LAYOUT

