



Air Purifying Respirator

A Powered Air Purifying Respirator (PAPR), equipped with replaceable filters, provides effective protection against pollutants and microbes.

USP & Competitive Advantage

- More protective than a half-mask respirator
- Restricts pollution and microorganism including viruses
- Filters supply purified air
- Breathing resistance is lower
- Easy and comfortable fit
- Customisable into 3 variants
- Provides a cooling effect in the hood or helmet
- The respirator is durable.
- Can be worn with facial hair as long as facial hair does not interfere with valve or function of the respirator.

Intellectual Property Status

Industrial Design application has been filed.

Key Features

- Four Replaceable N95 filters provided
- Comes under Loose PAPR category (Powered Air-Purifying Respirator)
- Does not require fit testing according to CDC & NIOSH.
- Comprises of a battery-operated blower, and N95 filters
- Equipped with additional features like Hood or Helmet, Bluetooth, USB port.

Development Status

- Validated with pulse oximeter and patient monitoring system
- Fully functional model
- Prototype ready
- Samples can be provided for testing or demonstrations

Seeking licensing partners (out-licensing)

Contact us at

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i-TTO, a regional tech transfer office established at FITT with support from NBM, BIRAC



Date: March 11, 2022