

Project Name :- Personal Air Purification Respirator (PAPR)

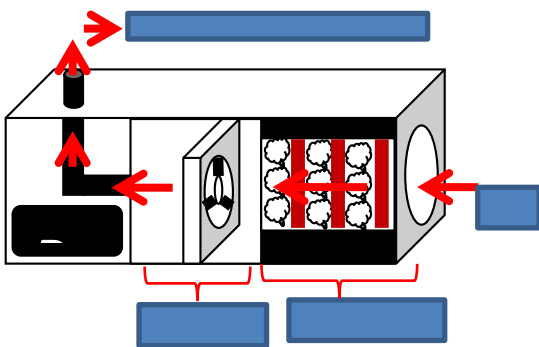
Introduction

- PAPR is a machine which is used to purify polluted air and pump it to the special hood for safe breathing.
- When we work in an isolation room, it can supply purified (bacteria and virus-free) air to the healthcare worker.
- You can also use a normal surgical mask when using this for a better combination.

Objective

- Provision of purified air for an adequate time while working in an isolation room and making maximum comfort and safety of the healthcare worker.

PAPR Working Diagram



Mechanism

1. Purifying viral / bacterial polluted air through the virus filter papers and sterile cotton layers.
2. Provision of a user-friendly face shield while administering the procedures of isolated patients like COVID-19.
3. Making maximum comfort and safety of long-time breathing while working in an isolation room.

Photos of PAPR

