



# C411 Powered Air Purifying Respirator (PAPR)

*For more than 35 years Micronel AG has been a leading Swiss manufacturer of high efficiency fans and blowers used for both, equipment cooling and personal protection applications in Industry, Civil Defence, Homeland Security, Army and Special Task Forces.*

One of the top-products is the C411 Powered Air Purifying Respirator (1 filter unit), an extremely handy, highly efficient heavy duty compact unit.

It consists of a high performance radial blower and integrated battery compartment for 6 small batteries of size LR6 (Alkaline or Lithium). A wide range of available NBC Filter Canisters can be used. With a connection tube the unit can be applied in combination with virtually all existing gas masks currently in use.

## Benefits

The C411 Unit generates an overpressure within the protection mask resulting in two distinctive advantages:

### Improvement of safety factor (protection grade)

During normal breathing the purified air fills the mask and creates positive pressure within the mask thus preventing entry of contaminated air into the mask and thereby providing a high protection factor for users.

### Breathing is made considerably easier due to the overpressure

Powerful assistance for breathing, especially for untrained people. In addition, the unit considerably facilitates heavy work performance in extreme climatic conditions.

Less formation of humidity in the mask and high comfort due to cooling effect.

## Characteristics



- Effective against all types of chemical and biological warfare agents
- Low weight
- State-of-the art quality
- High performance blower unit
- Easy to handle
- No special batteries required
- Compatible with a wide range of available NBC Filter Canisters

## Fields of Applications

- Police forces
- Civil defence
- Chemical laboratories
- Homeland security
- Army special task forces
- Agriculture
- Escape hoods
- Casualty bags
- etc.

## Technical Data

Nominal voltage: 3V DC  
Operation: 6 x 1.5V Alkaline or Lithium (size LR6/AA) batteries  
Filters: Wide range of standard NBC canister filters  
Expected working life of blower: 500 h

### Flow Rates/Area of operation

Airflow: 50-150 l/min (1.80-5.30 CFM)  
Pressure: 170-450 Pa

Flow rates at typical system resistance incl. C2 filter, hose, mask, (MBL1020):  
70 l/min (2.50 CFM) / 360 Pa

### Dimensions/Weight

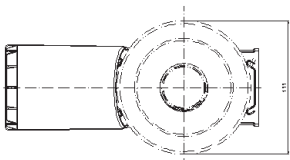
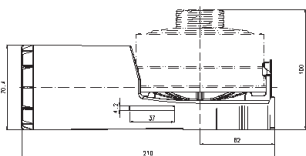
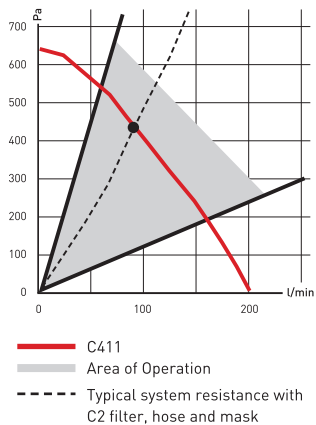
Diameter: 70 mm / 2.76 inches  
Length: 210 mm / 8.27 inches  
Weight (incl. 6 batteries): approx. 440 g / 16 oz  
Weight (incl. 6 batteries and filter): approx. 700 g / 25 oz

### Batteries

- 6 batteries are stored in a revolving battery compartment
- The batteries can easily be exchanged by turning the battery drum
- Alkaline or lithium batteries of size Mignon LR6 / AA / AM3 / UM3 of 1.5 volt

### Accessories

- Connection hose assembly (mask to filter), lengths 635 mm or 850 mm
- PVC waist belt assembly (decontaminable)



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