

TAKE **CAIREN** 

TAKE **CAIREN** .COM

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Emergency Evacuation Respirator

TAKE **CAIREN** 



**Care** *Always care your life*

Most of the accidental dyspnea in the workplace is caused by poisonous gas and lack of oxygen. General gas masks only filter some particular types of toxic gases and does not work with the conditions of oxygen deficiency. However, since CAIREN is an oxygen respiratory, it works with any types of gases or oxygen deficiency.



**Wearable** *Please wear respiratory all the time at the workplace.*

Since existing gas masks or oxygen respiratory is inconvenient to wear due to size and weight, most of the worker don't carry it. Therefore it causes loss and damage of lives. However, CAIREN is manufactured with two types, belt-type and vest-type, so it is always wearable regardless of conditions in the workplace or seasons. Also, to minimize the discomfort at work, this product is made of Nylon Mash which is specialized in ventilation and sturdy band and the clips fits well with the body.



**Option** *Two types of CAIREN*

Depending on the conditions of the workplace or worker, you can make the best choice of the situation whether wearing vest-type on the upper body or belt-type on the waist. Especially the vest-type has useful pocket, accommodates capacity to keep any items such as bottled water, mobile, or radio. It can be multi-purpose it just depends on the situations.



**Reusable** *It is made of reusable structure*

CCAIREN is an economical product that could be reused by simply changing components due to it's simple connection structure between the components of the product, You can purchase the oxygen tank and mask portion separately as needed.

▶ The required time for the emergency evacuation is **at least 5 minutes**



In cases of emergency such as toxic gases, oxygen shortage and fire, you should escape to a safe place or wait until the firefighters come and you absolutely need a safe breathing of at least 5 minutes or more.



•The scene of a fire



•Shipbuilding  
•Steel Mill  
•Heavy Chemical Industry



•Mass Transit  
•Shopping Center



•Manhole  
•Septic Tank  
•Warehouse



•Sanatorium  
•High Rise Building



•Large-Production Line



**Escaping Crisis! CAIREN**

## Product Descriptions



### MASK

It is contact-type of a mask that is optimized for the facial skeleton.



### CARBON FILTER

A Filter is installed to filter out carbon dioxide to do not interfere with normal breathing when you breathe.



### MIXED OXYGEN

The mixed oxygen is a gas mixture under adequate proportion between pure oxygen, supplied through oxygen tank, and nitrogen, discharged from user's out-breathing, inside of the respiratory sac. As long as this mixture has very similar condition with the air, it will maintain user's safe breathing.

### Oxygen Supply Tube



### ROTARY KNOB

It will start to supply oxygen when you turn the safety handle to the direction of the arrow. The handle is made by aluminum to avoid of malfunction and corruption.

### O<sub>2</sub> REGULATOR

The regulator is designed to supply appropriate amount of required oxygen for respiration under constant pressure with one touch mode.



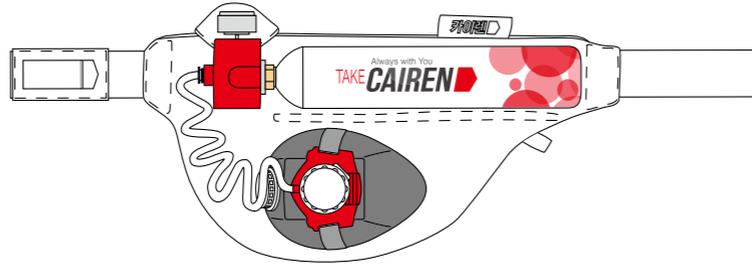
### 8 minutes OXYGEN TANK

It is filled up with pure oxygen under 200bar of pressure. And when emergencies occur, it gains a required minimum time to evacuate safely from the danger areas.



## Product Constitution \_Hip Sack type

Structure



Model Image



Color Type



Blue / Red

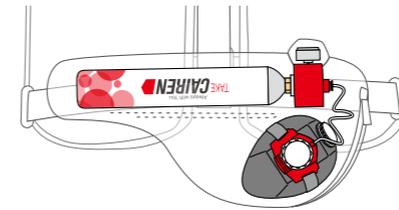
Khaki / Orange

Gray / Black

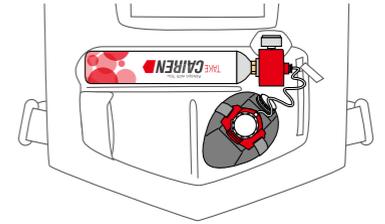
## \_Vest / Apron type

Structure

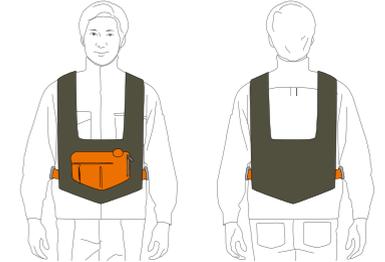
▶ Vest type



▶ Apron Type



Model Image



Color Type



Blue / Red

Khaki / Orange



Blue / Red

Khaki / Orange

## ▶ CAIREN Instruction

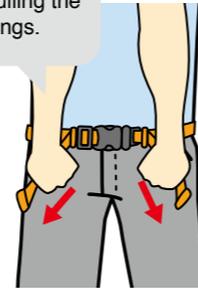
### STEP 1

Please wear CAIREN on comfortable position in every direction of your waist.



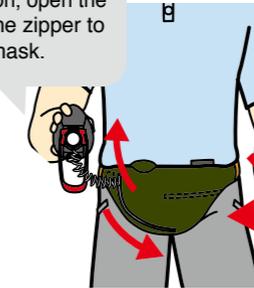
### STEP 2

Adjust the length of the belt by pulling the adjusting-strings.



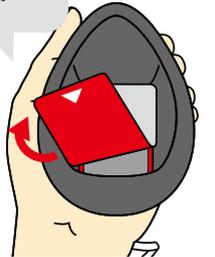
### STEP 3

After set the bag at the forward position, open the right side of the zipper to take out the mask.



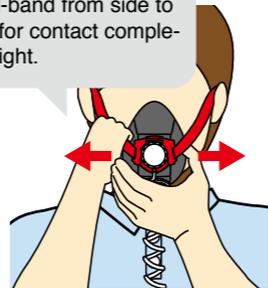
### STEP 4

Remove the filter protection fil from the inside of the mask.



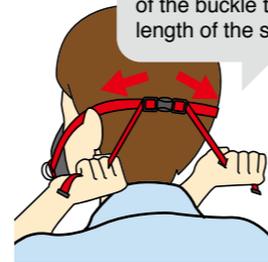
### STEP 8

Pull the both mask and head-band from side to side for contact completely tight.



### STEP 7

Pull the length-adjusting-strings from the both sides of the buckle to adjust the length of the string.



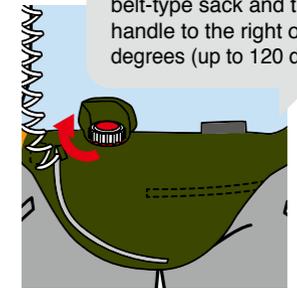
### STEP 6

After take a breath in, wear the mask to cover your nose and mouth, and then, start to breathe out like "blow-" to start the first respiration.



### STEP 5

Open the top pocket of the belt-type sack and turn the handle to the right over 90 degrees (up to 120 degrees)



Wearing the  
**CAIREN!**

