



ECO PURE Co.

**The smallest Gas Mask in the
World**

ECO PURE Co.

1. Company Profile



Introduction

Ecopure is a company that has specialized in the development and production of safety equipment since its foundation in 2012, which include gas masks, dust masks, emergency escape masks, and safety harnesses.

Especially, the mini-size gas mask developed by the company for the first time in the world in April 2012 features a compact-size and easy-to-use structure, which, in case of a fire, enables the user to open its cover fast and insert the two-protruded-silicone device into the nose, escaping the area as quickly as possible.

Our company has made a lot of efforts to develop technologies including a patent under the PCT for the mini gas mask in January 2013. Furthermore, it has introduced various testing instruments and apparatuses intended for the verification of its safety equipment, and it has also obtained many patents and certifications including the ISO 9001 and the KC certificate.

Continuous R&D and resulting production of top quality products have led Ecopure to be able to supply them to such Korea's representative companies as Samsung, Hyundai, Korea Airports Corporation, and Korea Expressway Corporation. Our company will continue to do its utmost to meet requirements of those who are interested in our products from overseas.



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Company in Brief

COMPANY	ECOPURE Co.
Business Type	Manufacturing, Wholesale and Retail Sales
Year Established	2012
Location	KOREA
Total Employees	Under 20
Homepage	http://www.ecopure.kr
President	Eun Su, Kim · Sang Heon, Kim
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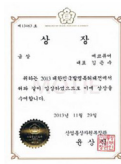
Company History

- 2012 Ecopure was established.
 - Obtained the Safety Certificate for its safety harnesses from the Korea Occupational Safety & Health Agency (KOSHA) Won Gold Prize at the Seoul International Invention Fair.
 - Registered a patent on the mini gas mask.
 - Set up a R&D-oriented independent team.
 - Won Trade, Industry, and Energy Minister's Prize at the Korea Invention Patent Exhibition.
- 2014 Obtained the ISO 9001: 2008 certificate.
 - Earned the Safety Certification for its gas masks from the KOSHA.
- 2016 Earned the Safety Certification for its dust masks from the KOSHA.

Certificates & Patents



Letter of Recommendation for Preferential Purchase



Industry, and Energy Minister's Prize



ISO 9001:2008



Certificate of Patent



Certificates



- ISO 9001:2008 Certificate
- Certificate of Patent for the mini gas mask
- KC Safety Certificate (6 products)

2. Item Description

1 Mini Gas Mask EPK-5



- This mask is compact and easy to use.
- It is designed for the user to open the product's cover and insert two protruded silicone sticks into the nose and escape from the area while inhaling, in the event of a fire.
- It is easy-to-use, affordable, and easily portable; it can be used conveniently in case of a fire in the subway, school, or department store.
- Mini gas mask (EPK-5): with an annual production capacity of 200,000 units.

2 General-purpose gas mask EPK-20

- These products are designed to enable citizens and industrial workers to quickly evacuate the area while protecting their respiratory organs against a fire or toxic gases.
- The product has no separate hair or neck strap and provides the wearer with airtightness as soon as s/he puts it on.
- It is for people of all ages, adults and children, regardless of the face's shape and size.
- It is quick-to-wear, easily portable, and lightweight.
- It is made of highly-elastic, flame-retardant material so even an old or weak person or a child can have it on easily and quickly.
- General-purpose gas mask (EPK-20): with an annual production capacity of 50,000 units.



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3 Gas mask EPK-C20 and EPK-C70

Features

- This mask can protect inhalation against toxic gases produced in industrial sites, especially effective in coating and painting processes.
- Type: Direct connection type half-face gas mask for organic compounds
- Gas mask, with an annual production capacity of 50,000 units.
- Gas mask Canister, with an annual production capacity of 600,000 units.

Comparison of models (EPK-C20 & EPK-C70)

Item	Gas mask
Model name	EPK-C20
Capacity, grade	Lowest concentration, for organic compounds
Certification No.	14-AV2CU-0073
Certification date	Dec. 31, 2014

Item	Gas mask
Model name	EPK-C70
Capacity, grade	Low concentration, for organic compounds
Certification No.	15-AV2CU-0050
Certification date	Sep. 17, 2015

Safety certification test results

	Test item	Test criteria	Measured value
Facepiece inhalation resistance	160ℓ/min	Must be ≤ 200 Pa	≤ 200 Pa
	95ℓ/min	Must be ≤ 130 Pa	≤ 130 Pa
	30ℓ/min	Must be ≤ 50 Pa	≤ 50 Pa
Cartridge gas-removing capacity	For organic compounds EPK-C20 (Lowest concentration)	Must be 20 minutes	20 minutes
	For organic compounds EPK-C70 (Low concentration)	Must be 70 minutes	70 minutes
Cartridge respiratory resistance	95ℓ/min	Must be ≤ 400 Pa	≤ 400 Pa
	30ℓ/min	Must be ≤ 100 Pa	≤ 100 Pa



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2 Safety harness (Swing type)

- This is a piece of protective equipment that protects worker against the risk of falls during working at high places

1) Swing type



- Model name: ECO-100
- Type: Safety swing type with one hook
- Certification No: 12-AV2CY-0132
- Date of certification: September 21, 2012

2) Belt type



- Model name: ECO-200
- Type: Safety swing type with one hook
- Certification No: 12-AV2CY-0134
- Date of certification: October 4, 2015

The background features a light blue gradient with several overlapping circles and thin lines in various shades of blue, creating a layered, geometric effect. The circles vary in size and opacity, with some being more prominent than others. The lines are thin and intersect to form a subtle grid or web-like pattern.

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