

Fully Enclosed Chemical Protection Suit

Model: RFH-II

Sizes Available:

- S, Suitable for Height: <1.6m
- M, Suitable for Height: 1.6m-1.75m
- L, Suitable for Height: 1.75m-1.9m
- XL, Suitable for Height: 1.9m-2.05m

Technical Specifications

- **Material:** PVC
- **Overall Airtightness:** 5.4% decrease in pressure within 4mins
- **Weight Of Complete Set:** ≤8kg
- **Seam Breaking Strength:** ≥45N
- **Fabric Permeability:**
 - 96% Sulfuric Acid, t>60mins
 - 30% Sodium Hydroxide, t>60mins
- **Liquid Pressure Penetration Resistance:**
 - 30% Sodium Hydroxide>35KPa
 - Methanol>35KPa
 - Acetonitrile>35KPa
- **Wear Resistance:** 2000 cycles, no damage
- **Durability Against Bending/Damage:** 8100 Cycles, No Damage
- **Fabric Puncture Resistance:** 35N
- **Tear Strength:** 74N in warp direction, 61N in weft direction
- **Breaking Strength:** 790N in longitudinal direction, 470N in latitudinal direction
- **Chemical Protective Window Puncture Resistance:** 176N
- **Seam Strength:** 460N

Certifications

- **Approval:** CCS certificate
- **Standard:** GB24539-2021

Important Note: This chemical protection suit is intended for practitioners in workplaces and emergency rescue work, it is not suitable for use in firefighting and other occasions.



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Disclaimer: Accuracy of all technical data and information are provided to the best knowledge of the manufacturer. Properties, specifications and application parameters are subject to change without notice. The manufacturer does not undertake any liability of any kind whatsoever.

Mars Safety International Pte Ltd is the Singapore Overseas Branch of Dongtai Martian Ship Equipment Co., Ltd.

No.1 Tuas Link 1, Singapore 638583 Tel.: +65 6862 1212 Fax: +65 6897 9959 For Orders, please send enquiry to Sales@mars-safety.com



Product Features

- Heavy-duty PVC enclosed suit designed for protection against hazardous chemicals, corrosive substances, and toxic gases encountered during emergency operations in maritime environments.
- One-piece design with fully sealed chemical and puncture resistant rubber boots, chemical resistant and flame retardant gloves(non-replaceable), sealed zipper, hood with large viewing field, ventilation system and an encapsulated SCBA design.
- Inflates using air from the Self-Contained Breathing Apparatus (SCBA) to maintain positive pressure, preventing contaminants from entering the suit.
- The distribution valve knob can be adjusted to regulate the airflow into the suit.
- Waterproof materials ensure that the wearer remains dry even in wet environments.
- Lightweight materials allow for mobility and reduce fatigue during prolonged use.
- Comes in Hi-Vis orange to enhance visibility in low-light conditions.

Important Note: This heavy-duty chemical protection suit is gas tight and it is to be used in conjunction with a helmet and a Self-Contained Breathing Apparatus (SCBA). When exposed to low-temperature liquid chemicals like chlorine gas, ammonia gas, hydrochloric acid, or sulfur dioxide, exercise extreme caution, as they pose a frostbite risk and may cause chemical protective clothing to crack.



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