

**RC Marine Group S.r.l.**  
**Office:** via Francesco Rolla 18a, 16152 Genova  
**Workshop:** via Molo Cagni, 16128, Port of Genova  
Contact Assistance +39 340 827.53.07  
Customer care + 39 010 859.26.42  
[info@rcmarine-group.com](mailto:info@rcmarine-group.com)  
[www.rcmarine-group.com](http://www.rcmarine-group.com)

**RC<sup>®</sup>**  
**MARINE**  
**MILITARY**  
ADVANCED SOLUTIONS



**RC<sup>®</sup>**  
**MARINE**

**MILITARY**  
HVAC + NBC SOLUTIONS



## HVACR Heating Ventilation Air conditioning Cooling Refrigeration

### APPLICABLE SPECIFICATIONS

**ISO 9001:2015** Quality Assurance Requirements for Design, Development and Production

**CE842/2006 DPR 43/2012** Installation, Repair, Maintenance of equipment containing fluorinated gases (FGAS)

**6516/SHCPE/86** Standard Shelter Technical Specifications

**STANAG 2895** Extreme climatic conditions and derived conditions for use in defining design/test criteria for Nato forces material

**AEP-7 ed. 4** Nuclear, Biological and Chemical (NBC) Defence Factors in the Design, Testing and Acceptance of Military Equipment



HVAC SYSTEM MLRS

**IEEE Std 299-1997** Standard Method for Measuring the Effectiveness of Electromagnetic Shielding Enclosures

**MIL-STD-285** Attenuation Measurement for Enclosures, Electromagnetic Shielding, for Electronic Test puposes, method of

**MIL-STD-810F** Environmental Engineering Considerations and Laboratory Tests

**MIL-STD-1472F** Human Engineering

**MIL-DTL-5541F** Chemical Conversion Coatings on Aluminum and Aluminum Alloys

**MIL-F-14072D** Finishes for Ground Based Electronic Equipment

**CEI 20-22 - II ed.** Non Propagazione Incendio



HVAC AIR DEFENCE RADAR

**UNI EN 1822 –** Filtri per l'aria ad alta efficienza (EPA, HEPA e ULPA)

**CEI 11-8 fasc. 1285 - III ed.** Impianto di Terra

**CEI EN 50160 – III ed.** Caratteristiche della tensione fornita dalle reti pubbliche di distribuzione dell'energia elettrica

**MIL-HDBK-217F** Reliability prediction of Electronic Equipment

**MIL-HDBK-472** Maintainability Prediction



ACS VEHICLE

## COL PRO Individual and integrated CBRN Collective Protection

### TECHNICAL CHARACTERISTICS

**Air flow:** on request

**Modes of operation:** independent air renewal (with an auxiliary blower and a conventional filtration 75% DIN EN779 CLASS G2 UE2) and NBC filtration (with the main blower and prefilter or coarse dust filter in synthetic fiber with G4 efficiency > 85% according to the gravimetric method, filters for aerosol in glass microfibers with HEPA H13 efficiency > 99.995% @ 0.18 micron according to UNI EN 1822 and with ULPA U15 efficiency > 99.9995% @ 0.18 micron according to UNI EN 1822, filter for gases and / or vapours in activated carbon chromium free activated and impregnated suitable to meet the requirements of AEP-54 Ed.2 (ex STANAG 4447)

**Pressurization:** up to 300 pa (by means of an adjustable overpressure valve included in the supply)



VEHICLE CABIN ACU+NBC

**Outside operating temperature:** -40°C to +57°C

**Storage temperature:** -40°C +71°C

**Feeding voltage (on request):** 115V to 460V 50/60/400Hz single/three phase with RFI (EMI) filtration

**Installation (on request):** internal / external

**Mobility (on request):** mechanical support, palletized base, lifting shakles

**Sand and dust protection (on request):** special air suction grill / scavenged air sand-proof filter

**Color (RAL):** on request

**CE marking:** on request (units are anyway manufactured according to applicable EEC directives)



ACU + NBC LABORATORY SHELTER