

Varistar CP MIL



Cabinets – VARISTAR CP MIL

UNCOMPROMISING ENCLOSURES FOR RUGGED APPLICATIONS

Varistar CP MIL 19" electronics cabinets are designed to protect sensitive and mission-critical equipment in the most demanding applications. These 901E certified enclosures are based on a modular, configurable platform and are easily modified to suit specific application requirements.

Varistar CP MIL cabinets are manufactured at SCHROFF's state of the art facility in Warwick, RI, an ISO 9001 certified and ITAR compliant facility. With over 60 years of enclosure manufacturing experience, we have deep experience protecting electronics in many of the world's most demanding applications.

TESTED TO US MILITARY STANDARDS

Varistar CP MIL standard enclosures are certified to meet multiple rigorous U.S. Military standards:

- **MIL-STD-901E:** High-impact shock testing ensures the enclosure can withstand harsh naval operation and naval combat environments
- **MIL-STD-167-1A:** Mechanical vibration testing for shipboard equipment ensures the enclosure operates reliably under common naval operating conditions
- **MIL-STD-461G:** EMC testing ensures that the enclosure provides protection against external EMI as well as effective shielding for emissions generated within the cabinet
- **MIL-STD-810E:** Salt Fog testing provides peace of mind that equipment inside the enclosure will be protected from damaging corrosion caused by exposure to salt air.



- 901E - Shipboard shock & impact
- 167-1A - Vibration
- 461E - EMC
- 810E - Salt Fog

IN ADDITION TO THESE CERTIFICATIONS, nVent SCHROFF OFFERS TESTING TO OTHER MIL-STANDARDS WHEN REQUIRED FOR INDIVIDUAL DESIGN-BUILD PROJECTS.



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Modified COTS options for all applications

Heavy-Duty
Lifting Eyes

Ingress
Protection

- Up to IP55

Handles &
Access Control

- Standard locking handle
- Padlock compatible handle
- Electronic access control
- Door interlocks

EMI Protection

- Meets MIL-STD-461G
- TEMPEST designs available

AVAILABLE SIZES

- 9U to 42U height
- Width and depth customizable for each application

COOLING OPTIONS

- Conduction
- Forced Air (Fans)
- Liquid Cooling
- Thermal Simulation



Rolled Steel Frame

- Reinforced for shock and vibration resistance

Coatings

- MIL-STD Powder coat or wet paint
- Corrosion resistant per MIL-STD-810H
- Standard and custom colors



Shock Absorbers
Customized for every application

- Wire rope
- Elastomer
- Seismic
- Others on request



Modifiable Panels

- Solid
- Louvered
- Integrated fans
- Air & EMC Filters
- Customized



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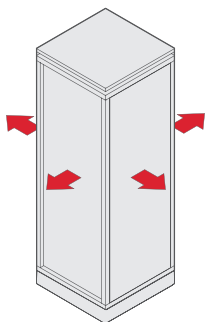
Customized for Every Application

No two defense applications are alike. Our engineering team will work to design a solution specifically tailored to your application, whether modified from an existing standard or completely custom. Commonly modified features include:

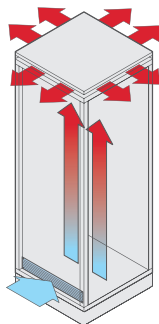
- Enclosure dimensions
- Vibration dampening and isolation
- Active and passive cooling solutions
- Power distribution
- Cable management and organization
- Modified I/O and cable entry panels
- EMC shielding
- Increased load capacity
- TEMPEST certification for sensitive communications



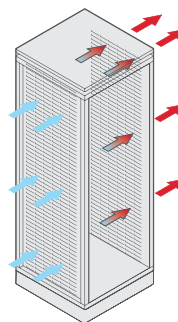
HEAT DISPENSATION OPTIONS



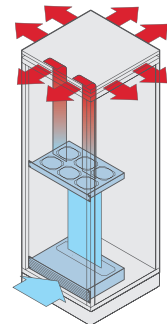
Closed cabinet



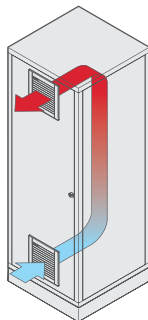
Raised cover, ventilation slots



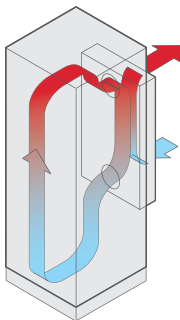
Perforated doors



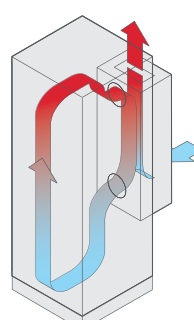
19" fans, top-cover fans



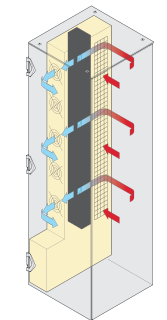
Air filtered fans



Air/air heat exchanger



Air conditioners



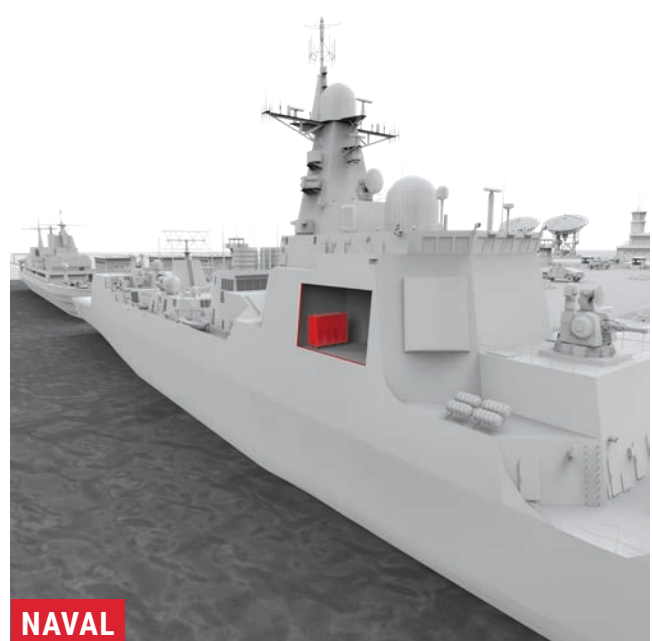
Air/water heat exchanger (LHX)

Cabinets – VARISTAR CP MIL

19" Cabinets able to serve across domains

Varistar CP Mil 19" Cabinets are designed to reliably protect flight avionics, military aerospace systems, battlefield networks and shipboard targeting systems.

From naval to air, from ground to mobile command centers, our engineering team will work to configure the correct enclosure needed to withstand the toughest rugged condition and meet your application needs.





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