



CONNECT AND PROTECT

Varistar MIL

  
nvent

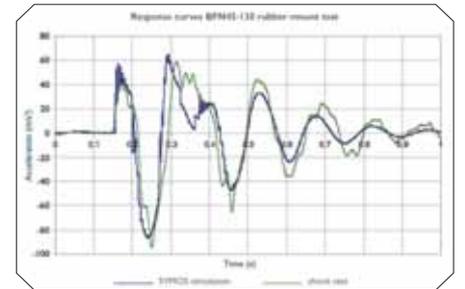
SCHROFF

# Cabinets – VARISTAR MIL

## OVERVIEW

### MAIN KATALOG

- Cabinets ..... 1
- Wall mounted cases ..... 2
- Accessories for cabinets and wall mounted cases .. 3
- Climate control .. 4
- Electronics cases ..... 5
- Subracks/ 19" chassis ..... 6
- Front panels, plug-in units ..... 7
- Systems ..... 8
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- Connectors, front panel component system ..... 11
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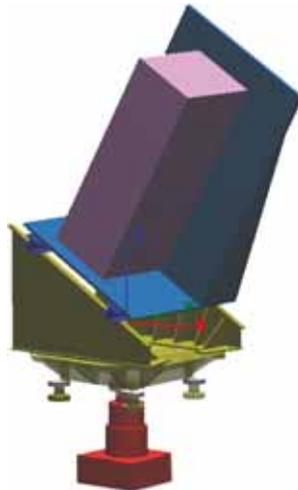
### ECONOMIC AND UNCOMPROMISING - A TAILORED STANDARD

Schroff offers robust 19" cabinets that meet the specifications of MIL-S-901D. Their characteristics allow you to meet the most stringent shock and vibration resistance requirements on the high seas: This cabinet was developed on the basis of the VARISTAR platform and impresses with its high integration capability.

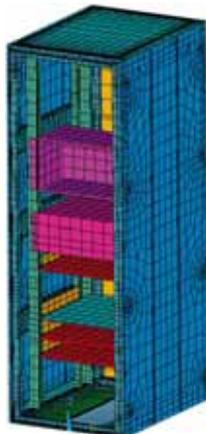
- High-performance elastomer or wire cable shock absorbers for COTS (commercial off-the-shelf) equipment
- 19" standard, in accordance with RoHS
- Various dimensions available (height and depth)
- Wide range of accessories available
- Reduced development and manufacturing costs
- HF shielding

### FROM THE QUALIFICATION ... TO THE CUSTOMER SOLUTION

A cabinet for your individual requirements can be quickly and easily developed. It can be validated by numerical simulation thereby saving lengthy and expensive tests in laboratory. The elastic suspension is specially adapted to the mechanical environment and the resilience of the components. At the same time, the dimensions and weight of the cabinet are tailored to your specific integration requirements. The design is validated using a model that has been calibrated in real tests using a finite element calculation.



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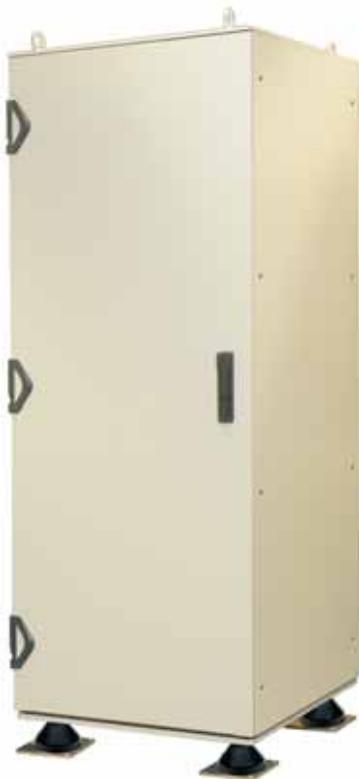
Finite element model - mesh and stress analysis

# Cabinets – VARISTAR MIL

## OVERVIEW

### THE CABINET FOR THE MOST DEMANDING SITUATIONS

- **Certified: Tested to MIL 901D**
- **Capable of handling extreme stresses: Robust and secure for mobile use; dynamic load-carrying capacity of 150 kg**
- **Reliable: Shielded against high-frequency interference**
- **Not susceptible: Type of protection IP 55**



01012002

#### VARISTAR WITH SHOCK ABSORBERS

- Two versions:
  - 4 shock absorbers at bottom and 2 at top, for wall mounting
  - With wire cable shock absorbers
  - with elastomer shock absorbers
- Height 38 U (1800 mm), width 600 mm, depth 800 mm

#### SERVICEPLUS

- e.g. special colours
- e.g. other cabinet dimensions
- e.g. higher dynamic load carrying capacity
- e.g. custom solutions

Overview ..... 1.120

VARISTAR Platform 1.4  
Dimensions ..... 1.8

VARISTAR MIL  
VARISTAR MIL 901D 1.122

VARISTAR  
Electronics ..... 1.10  
VARISTAR  
EMC ..... 1.54  
VARISTAR  
Datacom and  
Networking  
Technology ..... 1.124  
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# Cabinets – VARISTAR MIL

## MIL 901D CABINETS



- Cabinet for extreme mobile situations
- 4 shock absorbers at bottom and 2 shock absorbers at top
- Ingress protection IP 55
- EMC protection
- Tested to MIL-STD-901D
- Rear panel horizontally partitioned for fitting of e.g. cable ducting

### DELIVERY COMPRISES (assembled)

Item	Qty	Description
1	1	Welded basic frame, heavy duty, St profile, RAL 7032, with reinforcement brackets welded on floor frame, 10 mm, St, finish AlZn; base plate, St; 4 shock absorbers; EMC gasket
2	1	Flat top cover, flush, St, finish AlZn, exterior RAL 7032
3	1	Front door, St, finish AlZn, RAL 7032, 180° hinge, 4-point locking, lever handle
4	1	Rear panel, top, screw fixed, St, finish AlZn, RAL 7032; 2 shock absorbers;
5	1	Rear panel, centre, screw fixed, St, finish AlZn, RAL 7032
6	1	Rear panel, bottom, screw fixed, St, finish AlZn, RAL 7032
7	2	Side panel, screw fixed, St, AlZn, RAL 7032
8	4	19" panel/slide mount with EIA perforation, St, finish AlZn, depth-adjustable in 25 mm increments
9	1	GND/earthing kit, assembled

Wire cable shock absorbers

01012004



01011001

Elastomer shock absorbers



01011003

Wire cable shock absorbers

### ORDER INFORMATION

Height U	Width mm	Depth mm	Description	Part no.	
38	1800	600	800	With wire cable shock absorbers	10130-198
38	1800	600	800	with elastomer shock absorbers	10130-201

### NOTE

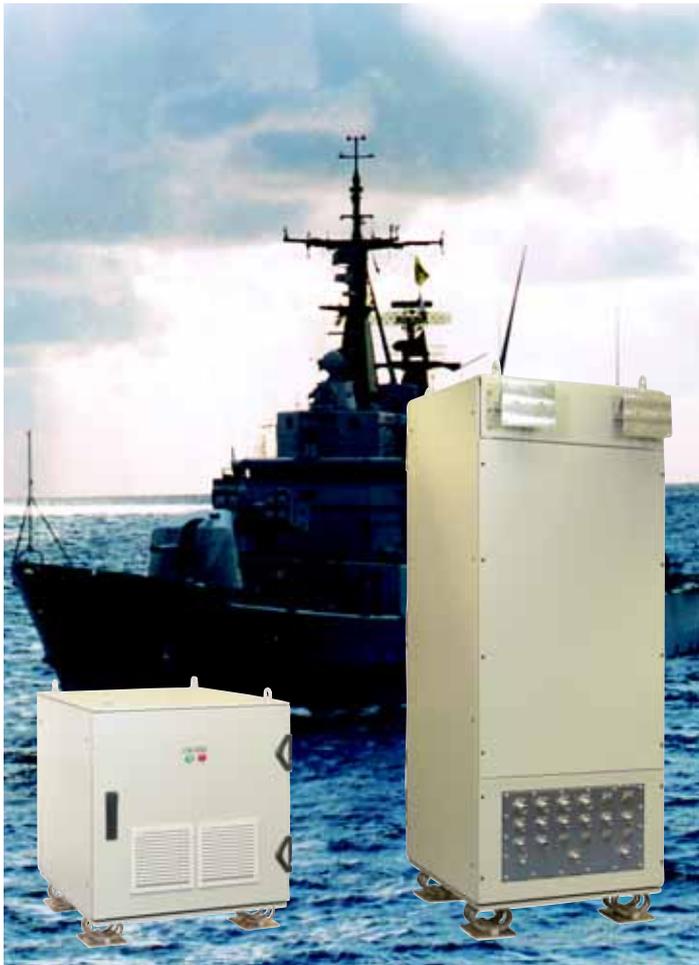
- Other dimensions and versions on request



01012003

Rear view

# Cabinets – VARISTAR MIL



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## **MOBILE APPLICATIONS FOR MARINE USE**

- Heavy-Duty seismic cabinet with shock absorbers for use on ships
- Shielded version (EMC)
- Special connection plate for shielded cable entry
- Integrated air filtered fan in the door
- Power distribution
- Customer-specific testing (vibration, EMC, climate)

## North America

Warwick, RI, USA

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