

# **NERO** **INDUSTRIES**

Advanced Reliability

## **CBRN CASSETE TYPE FILTER**



## CBRN CASSETE TYPE FILTER

### MARS - FT80



#### Pin Diagram

Connector 24VDC	CA3102E10SL4PB
Power	A
GND	B

#### COLOUR

RAL7001	FS 33245
RAL6014	RAL 9005

- It can be used in ground control rooms and military vehicles.
- It can be used in 2 different modes as ventilation and filtration.
- It consists of three different cabins. During the filtration process, the suction cabin and the filter cabin are replaced and the Filtration mode is started.
- It is resistant to corrosion for at least 10 years.
- It has 16-32 VDC power consumption.



#### Pin Diagram

Connector 24VDC	MS3470W106P
Power	A
GND	B

### GENERAL FEATURE

- It gives an error when the pressure difference is below the set value.
- With the blast valve support, high pressure is thrown out of the valve.
- Pressure measurement with digital display.
- It can be used with 2 modes as filtration mode and ventilation mode.
- Pre-Filter: It is used for particle filtering.
- Partikül Filtreleme %99.97
- Carbon Filtration: It is used for Gas Filtration.
- Shelf life: 10 years.
- Voltage: 16 - 32 VDC
- Filtration Air Flow : 80m<sup>3</sup>/h
- Number of Protectable Staff: 4-12 Staff
- Max. Working Height 3000 meters
- Operating temperature -30°C / +55°C
- Storage Temperature -40°C / +71°C

### CERTIFICATIONS

AEP-54	Collective Protection in CBRN
MIL-PRF-14512	Gas Filter Standard
MIL-DTL-52011F	Particulate Filter Standard
MIL-C-38999	Military Connector
MIL-DTL-27500	Special Purpose, Electrically Protected and Unshielded Cables
MIL-STD-461E	Military Electromagnetic Compatibility
MIL-STD-810G	Military Environmental Conditions

### STANDARDS

ISO 9001 2015	Military Connector
ISO 14001 2008	Special Purpose, Electrically Protected and Unshielded Cables
ISO 27001 2013	Military Electromagnetic Compatibility



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KBRN filtration systems contaminated against mass destruction weapons, biological attacks and industrial leaks used to filter the air.

- Hermetic (leak proof) vehicle is to be applied.
- Dirty air is passed through high protection filters and filtered fresh air is delivered to the vehicle.
- The pressure in the vehicle increases with constant air flow until it opens the high pressure valve.
- The incoming excess air is discharged through the high pressure valve, keeping the pressure level constant.
- The pressure created by the fresh air inside the vehicle prevents dirty air from entering from outside and provides full protection.





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