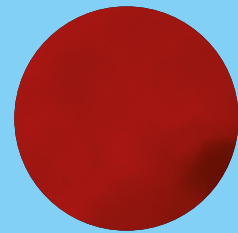


etna
SHELTER TECHNOLOGY
WELL PROTECTED WITHOUT FAIL



etna

**etna shelter technology –
over 30 years of experience in protecting people and life**

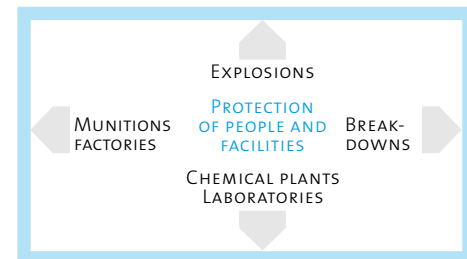
The protection of people and life is always of the utmost priority. This is particularly true for highly sensitive areas such as laboratories, chemical plants, shelters, as well as for various industrial and military applications. etna – formerly Luwa – has for decades specialised itself in reliable shelter technology applications for industry, the military and private consumers. etna's shelter technology experts offer sound knowledge along with a tried and tested range of specific products in the following areas:

- NBC-filter/activated carbon filters
- explosion valves
- coarse & fine particle suspended matter filter (HEPA-filter)

EXTERNAL HAZARDS:



INDOOR HAZARDS:







Shelters for industry

For over 30 years etna has been a byword for sophisticated specialised products in the field of shelter technology. We offer our industrial clients flexible solutions for all areas of application. With an appropriate scope of order we are also happy to take over the prototype construction. As a specialist provider you will receive all services for your industry shelters from one source – from offer to planning and installation to maintenance and disposal.

etna's industrial shelter technology range comprises:

- all types of CO₂ air filters for CO₂ adsorption:
 - ambient air (shelters for control rooms and control centres)
 - for process air (e.g. FGD)
- all types of activated carbon air filters:
 - filtration of ambient air (protection of control rooms and control centres in case of disasters)
 - for process air (adsorption of unwanted or dangerous gases or substances)
 - cleaning of process air (e.g. of pollutants that may not be released into the environment, such as in high-security laboratories)
- Explosion protection valves: Protection of vulnerable areas from blast waves from explosions due to disasters or terrorist attacks (airports, power plants, police stations, control centres for important processes, etc.)
- complete technical equipment of shelters

Shelters for the military

etna is an approved supplier for NBC-filters and suspended matter filters (HEPA-filter) to the German Federal Armed Forces and NATO. Shelter technology from etna is a byword for the highest reliability and safety. We provide comprehensive and competent consultancy in all matters relating to military shelter technology – from the acquisition of new filters to filter regeneration and from mobile applications such as those required by the Navy, to stationary applications, e.g. in bunkers. Even if product requirements change over time, etna convinces with rapid technical and logistical solutions.

etna's shelter technology product range for the military comprises:

- all types of CO₂ air filters for indoor CO₂ adsorption
- all types of activated carbon air filters for ambient air filtration
- to secure shelters from dangerous gases or substances such as nuclear-contaminated particles and biological and chemical warfare agents
- explosion protection valves: protection against shock waves from explosions of all kinds
- on demand etna also offers multidisciplinary integrated solutions





Private shelters

Even in the private sector and in business there is a high demand for security in case of disasters. etna's professional shelter products are tailored to the private sector and are suitable for use in private homes, hotels, security areas for important persons or on cruise ships. Civilian security companies also trust in shelters from etna.

Thanks to over 30 years of experience in the protection of important areas in industrial and military sectors, etna protection technology in the private sector guarantees the highest safety standards. Customers benefit from maximum transparency in the execution and receive consultancy, planning and installation from a single source.

Possible areas of application for etna shelter technology in the private sector:

- new shelters (also with complete technical equipment) or building conversions to shelters
- for protection against terrorist attacks or disasters (explosion pressure waves, toxic gases or biological warfare agents)

etna's shelter products

Through decades of experience and solid know-how our special shelter product assortment reliably protects human life and installations.



Explosion protection valves ESV-F

etna explosion protection valves are used as air blast protection with a pressure up to 9 bar of reflected shock wave. They serve as a maintenance-free valve against pressure and suction in the supply and exhaust openings and have an automatic reset-device on the normal ventilation mode.

Spatial filter

etna spatial filters/NBC-filters are gas and particle filters for protection against all known warfare gases, bacterial feedstocks and radioactive dust. They guarantee a high capacity of absorption using impregnated activated carbon and are characterised by their large effective surface. The separation efficiencies achieved are above the high standards of disaster control.

Coarse and fine particle filters

etna's coarse and fine particle filters are used in air ducts to protect equipment and rooms. Various degrees of separation and efficiency, different designs and diverse combinations of filter allow for economic filtration results. Absorbent filter media and functional filter frameworks ensure a long lifetime and maintenance-free operation.

NBC-filter for ships

etna NBC-filter corresponding to NATO-STANNG4447 or stock no. 4240-12-340-0775.

In addition our product range includes:

Gas filter with	Stock-No. 4240-12-312-0568
	Stock-No. 4240-12-160-0304
	Stock-No. 4240-12-160-0306
suspended matter filters	
(HEPA-filter) with	Stock-No. 4240-12-312-0569
	Stock-No. 4240-12-160-0301
	Stock-No. 4240-12-160-0302

An excerpt from our product range. We can also provide you with other products as well as numerous variation and further designs.



*We are present for you at a number of locations.
Benefit from our expertise and experience!*

Branches

Berlin 0 30.55 50 31 25
Frankfurt/M. 0 69.40 35 13 00
Hamburg 0 40.5 93 90 00
North Rhine-Westphalia 0 21 51.8 38 50
Bavaria 0 8 11.9 98 62 90
Saxony
Chemnitz office 0 3 71.83 80
Dresden office 0 3 51.8 90 28 07
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