

CBRN FILTRATION & VENTILATION SYSTEM

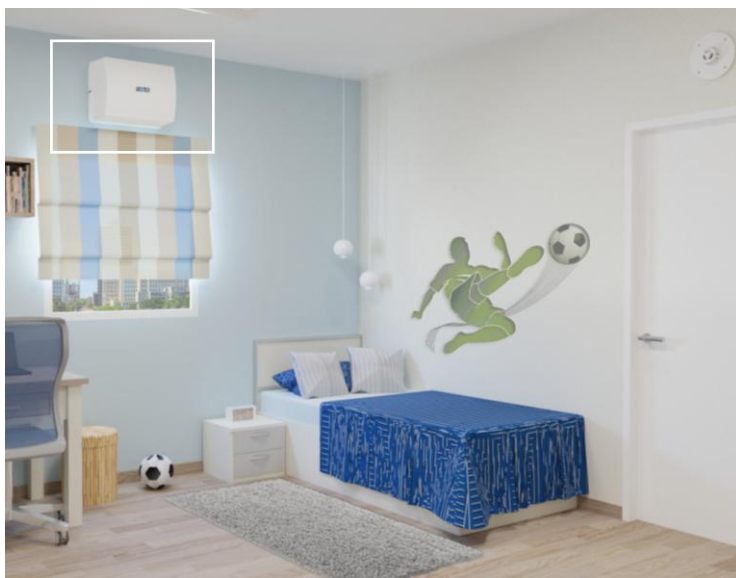
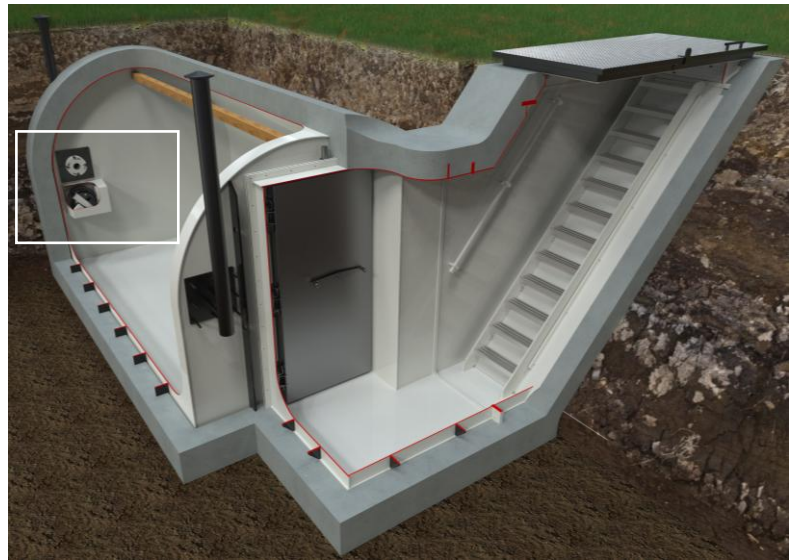
SAFE 360



SAFE 360 is an advanced, compact and certified CBRN (Chemical, Biological, Radiological and Nuclear) air filtration and ventilation system especially designed for installation in small size protected spaces like safe rooms, residential shelters, bunkers, containers and more for providing fresh filtered air and creating protected environment in the intended area.

Highlights

- Very cost-effective.
- Tested and certified - SI4570 standard.
- Approved by Civil Defence Command in various countries
- Installed in tens of thousands of shelters.



Highlights

- Complete system
- Simple Installation
- Operation by 1 person
- Electric operation: 100-240 VAC / 12 VDC.
- Manual backup included in case of electric outage.

Components

Main Components

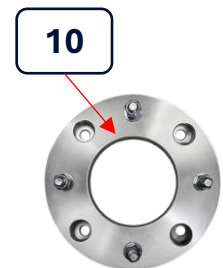
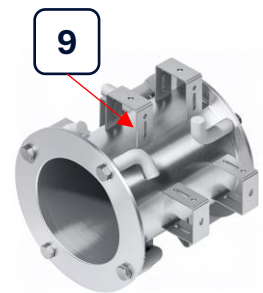
1. CBRN filter (AFU 36)
2. Electric Blower (EBL 54)
3. Converter from DC to AC
4. Manual backup
5. Blast valve with prefilter (BVNO 50)
6. Overpressure blast valve (BVNC 40)
7. Decorative case + wall bracket
8. Air hose



Optional Items

9. Wall sleeve with 4" flange for casting in concrete
10. Retrofit 4" flange for installation on the existing wall
11. Cables for connection to 12V battery

*Wall sleeves / retrofit flanges required for connection of the blast valve and overpressure valve to the wall)



Watch the Videos on YouTube

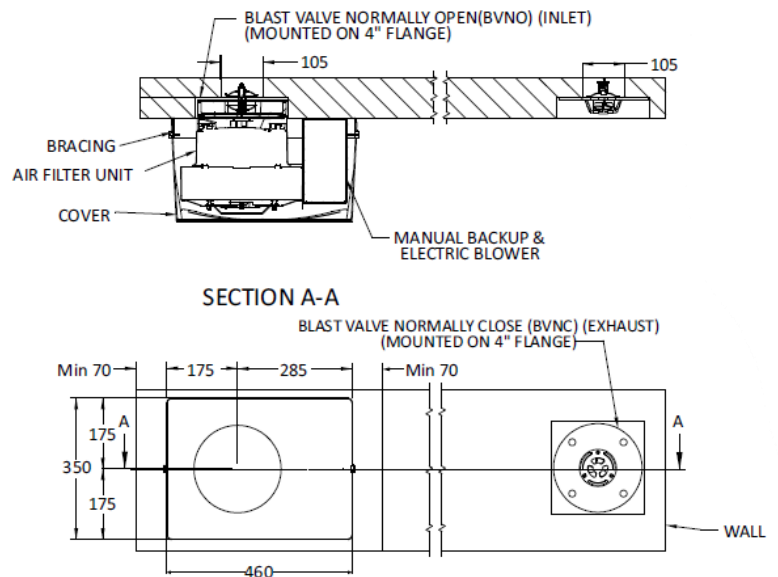
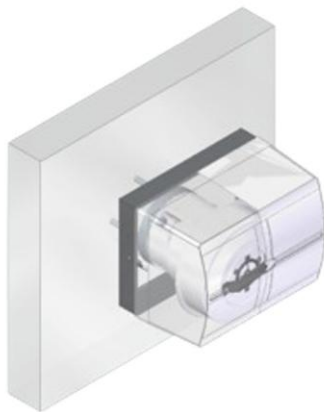


[Filtration mode Operation](#)

[Ventilation mode Operation](#)

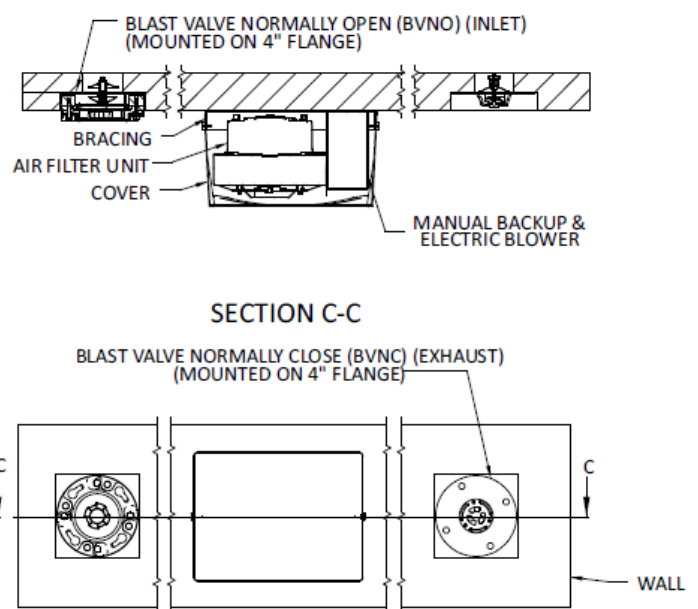
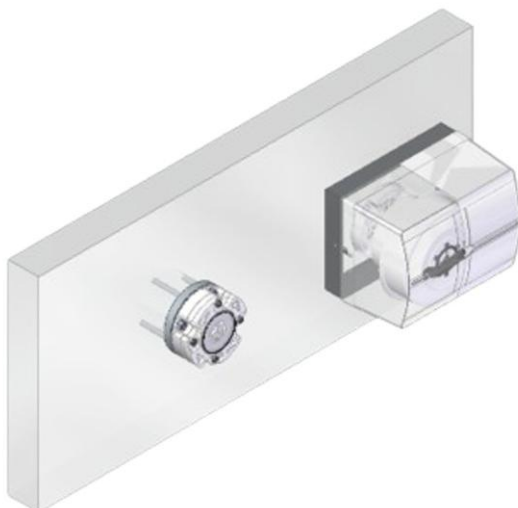
First Option of Installation

Blast valve located under the decorative case



Second Option of Installation

Blast valve aside of the decorative cover



Blast Valve (BVNO 50 4L) - Air Entrance

Returned Pressure durability	>900 (9)	kPa (bar)
Pressure drop (Ventilation mode)	200	Pa
Pressure drop (Filtration mode)	95	Pa

CBRN Filter (AFU 36)

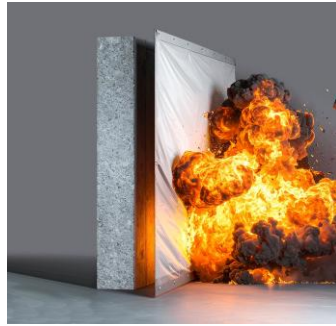
Airflow rate (nominal)	36	m³/h
Initial Pressure Drop @ nominal	460	Pa
Total filter weight	7	kg
Mechanical filtration efficiency	≥99.995	%

Electric Blower (EBL 180)

Airflow (Ventilation mode)	54	m³/h
Airflow (CBRN filtration mode)	36	m³/h
Static Pressure (Filtration mode)	720	mmWc
Static Pressure (Filtration mode)	980	mmWc
Electric motor / Adapter voltage	12 DC / 100-240 AC	V
Electric motor current (DC Motor)	3,3	A
Manual operation (backup)	1	Person
Frequency	50/60	Hz

Overpressure Blast Valve (BVNC 40) - Air Exhaust

Returned Pressure durability	>900 (9)	kPa (bar)
Pressure drop (Ventilation mode)	225	Pa
Pressure drop (Filtration mode)	65	Pa



About Atmas

Atmas Group is a Finland-based global supplier of products, technologies, project support services and complete solutions in the areas of civil defense shelters and protected spaces, facilities reinforcement against CBRN, blast, ballistic, forced entry and EMP threats, as well as security, safety and emergency response.

Atmas is trusted by customers and partners around the world providing a unique combination of solutions "under one roof", with a focus on advanced technologies, product customization, uncompromised service and comprehensive project support.

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