

SAFE 360

CBRN Filtration System for Small Residential Shelters, Small Bunkers & Safe Rooms

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 for compliance to requirements of SI4570 standard.
- Approved by Civil Defence Command and installed in tens of thousands of shelters.
- Complete system – blast valve, prefilter, electric blower, manual backup blower, CBRN filter, case and hoses, overpressure valve with airflow indicator.
- Simple Installation and operation.
- Electric operation: 100-240 VAC / 12 VDC.
- Manual backup included in case of electric outage.



SAFE 360 Components

Standard Components:

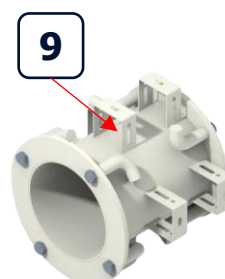
1. CBRN filter (AFU 36)
2. Electric Blower (EBL 54)
3. Converter from DC to AC
4. Manual backup
5. Blast valve with prefilter (BVNO 50)
6. Overpressure blast valve (BVNC 40)
7. Decorative case + wall bracket
8. Air hose



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 

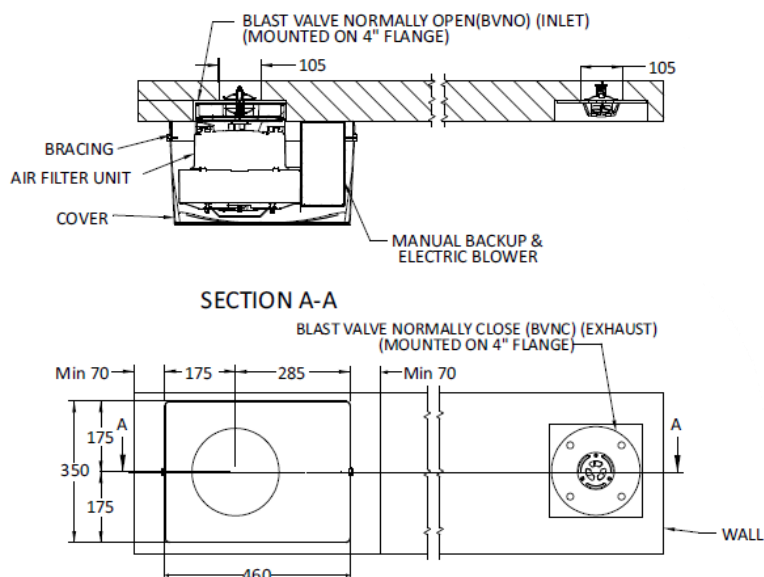
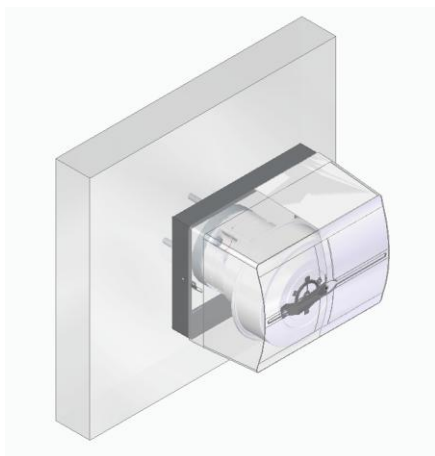
[Filtration mode Operation](#)

[Ventilation mode Operation](#)

SAFE 360 Installation Options

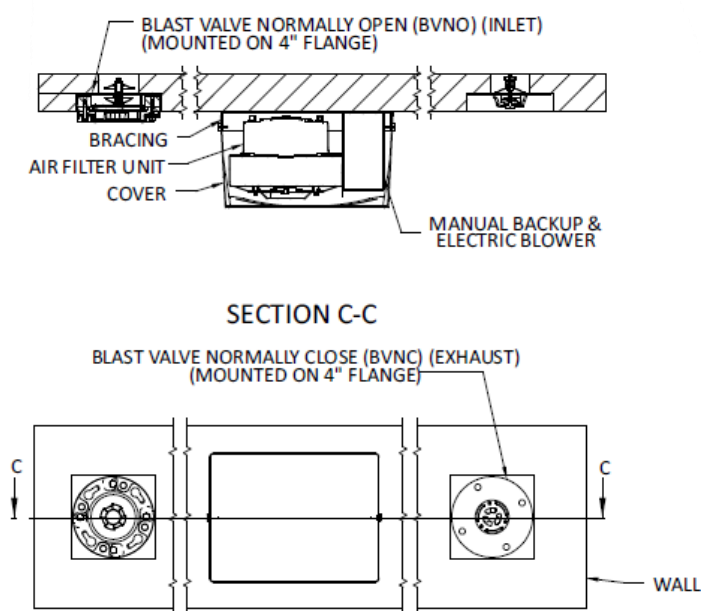
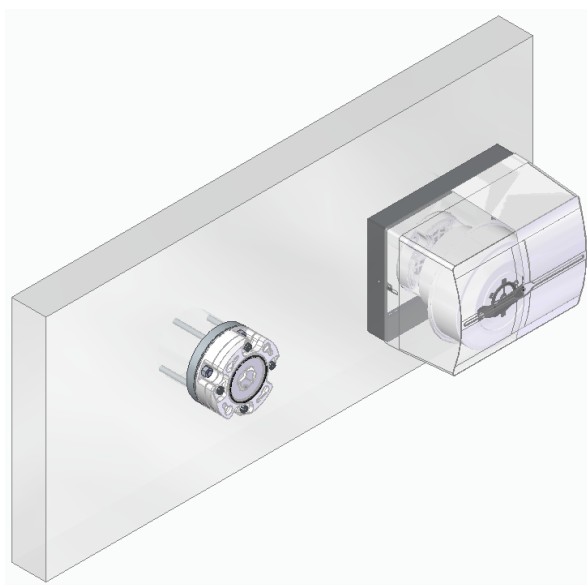
Option I

Blast valve located under the decorative case



Option II

Blast valve aside of the decorative cover



SAFE 360 Technical Specifications

Item	Value	Units
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

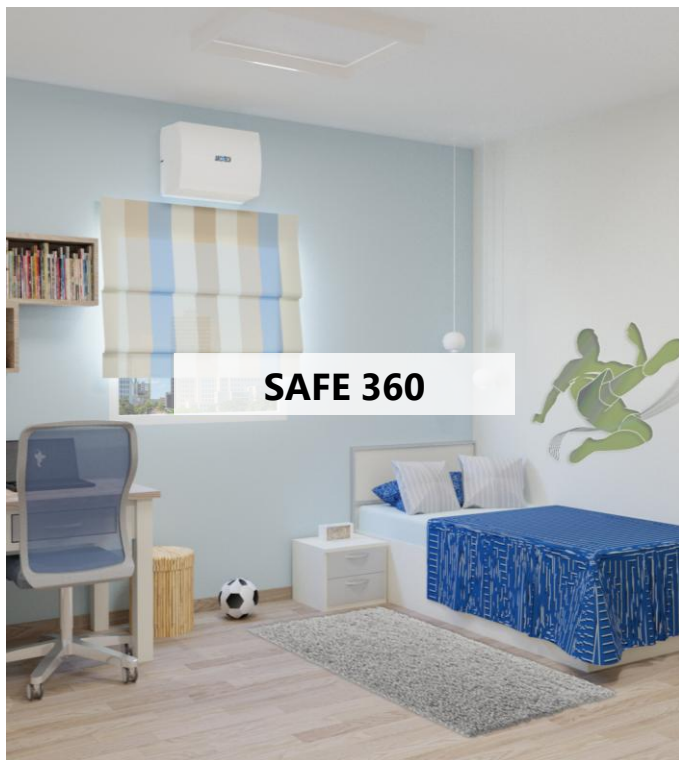
CBRN Filter (AFU 36)		
Airflow rate (nominal)	36	m ³ /h
Initial Pressure Drop @ nominal	460	Pa
Total filter weight	7	kg
Mechanical filtration efficiency	≥99.995	%

Electric Blower (EBL 180)		
Airflow (Ventilation mode)	54	m ³ /h
Airflow (CBRN filtration mode)	36	m ³ /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

Our Line of CBRN Filtration Systems

Atmas offers a wide range of CBRN filtration and ventilation systems for installation in civil defence shelters, bunkers and protected spaces.



SAFE 360



ARC 100 - 600



ARC 100 - 1800



FILTRATION BATTERY

Experts in Shelters & Protective Technologies

Atmas Group is a Finland based, global supplier of solutions for civil defense shelters and protected spaces, critical infrastructure and facilities reinforcement, CBRN, blast, ballistic, forced entry, fire, EMP protection, security structures, emergency response and more.

We offer a wide range of professional, certified and cost-effective products and project support services, through a global network of partners and distributors.



Shelters



Reinforcement



Security



Emergency

Contact us for any enquiry

ATMAS GROUP OY

Hermannin rantatie 3A 38
00540 Helsinki
Finland

+358 449843373

info@atmasgroup.com

www.atmasgroup.com