

CATALOG

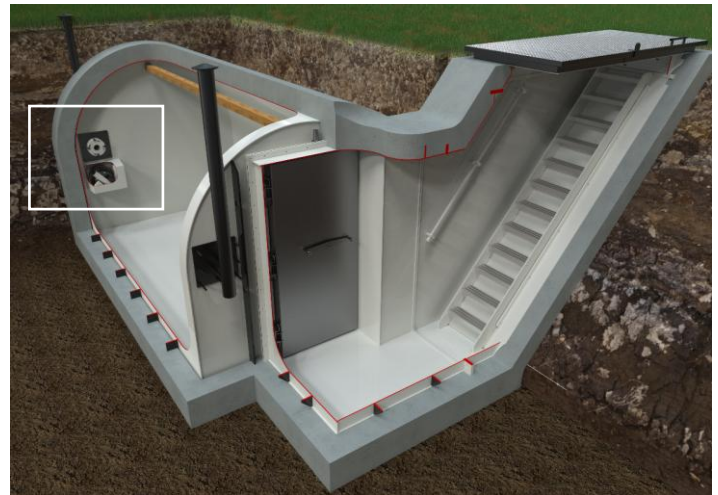
Air Filtration and Management Solutions



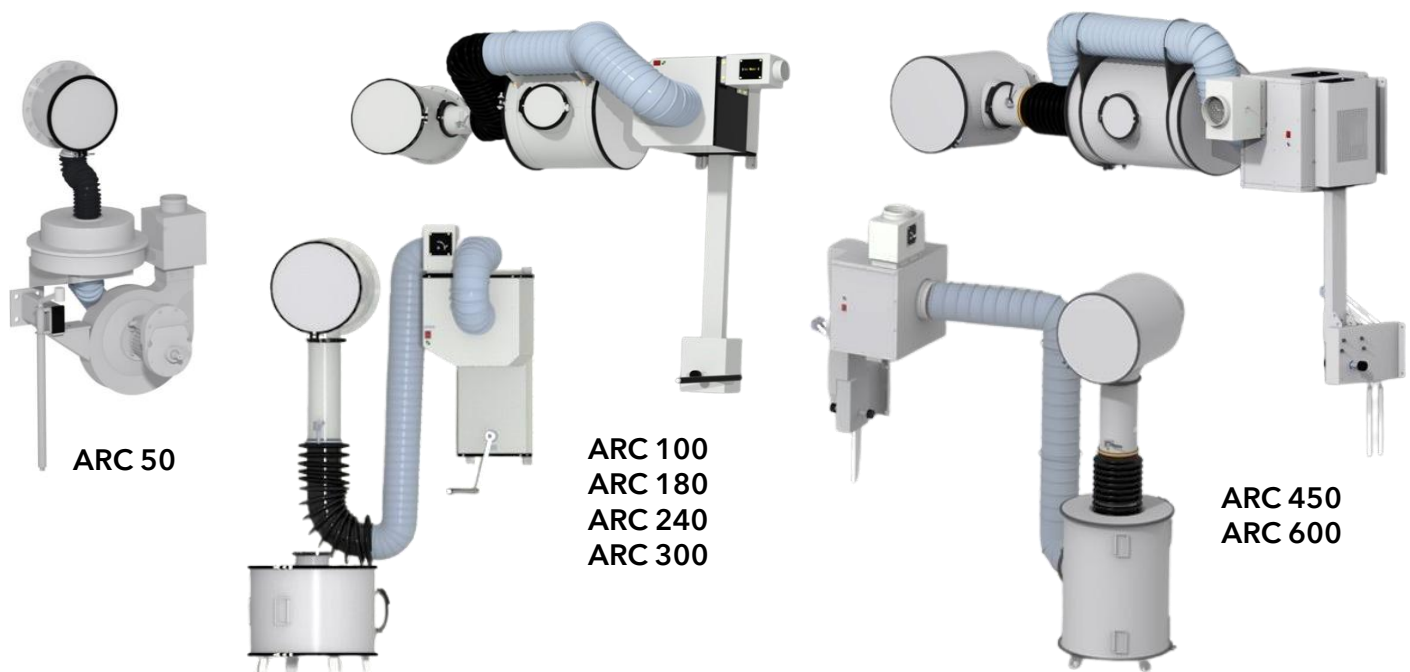


SAFE 360

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.



System name	Airflow Filtration/Ventilation	Max. Shelter Volume
SAFE 360	36/54 m3/h	36 m3
* Several systems can be installed in one shelter ** SAFE 360 kit includes blast valve, prefilter, electric blower, manual backup, CBRN filter, overpressure valve, air hoses and more.		



ARC series

Advanced, professional and certified CBRN (chemical, biological, radiological and nuclear) air filtration and ventilation systems designed for installation in shelters, bunkers, and other protected areas for providing fresh filtered air and creation of protected environment in the intended area.

System name	Airflow Filtration/Ventilation	Max. Shelter Volume
ARC 50	50/100 m ³ /h	50 m ³
ARC 100	100/200 m ³ /h	100 m ³
ARC 180	180/360 m ³ /h	180 m ³
ARC 240	240/480 m ³ /h	240 m ³
ARC300	300/600 m ³ /h	300 m ³
ARC 450	450/900 m ³ /h	450 m ³
ARC 600	600/1200 m ³ /h	600 m ³

* Several systems can be installed in one shelter

** ARC system kit includes blast valve, prefilter, electric blower, manual backup (for units ARC 100-600 only), CBRN filter, overpressure valve/s, air hoses and more.

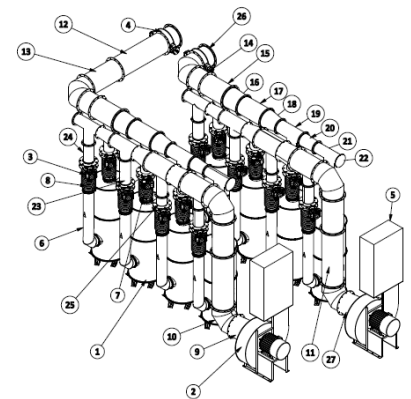
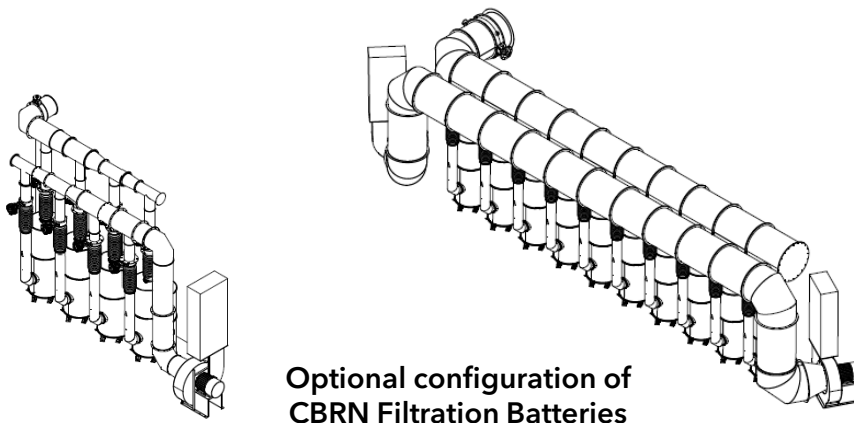


ARC 900
ARC 1200
ARC 1800

ARC series

Advanced, professional and certified CBRN (chemical, biological, radiological and nuclear) air filtration and ventilation systems designed for installation in shelters, bunkers, and other protected areas for providing fresh filtered air and creation of protected environment in the intended area.

System name	Airflow Filtration/Ventilation	Max. Shelter Volume
ARC 900	900/1800 m ³ /h	900 m ³
ARC 1200	1200/2400 m ³ /h	1200 m ³
ARC 1800	1800/3600 m ³ /h	1800 m ³
* Several systems can be installed in one shelter ** ARC system kit includes blast valve, prefilter, electric blower, CBRN filter, overpressure valve/s, air hoses and more.		



Filter Banks

CBRN filtration systems are multifilter systems specially designed to fit project requirements like allocated space, airflow, standards, control system, etc.). Each system can be integrated with up to 10 filters with different airflows (600, 900, 1200 or 1800 m³/h) creating one unit with high air volume which can be used in larger civil defence shelters, bunkers and protected spaces.



Optional remote-control unit for automatic systems

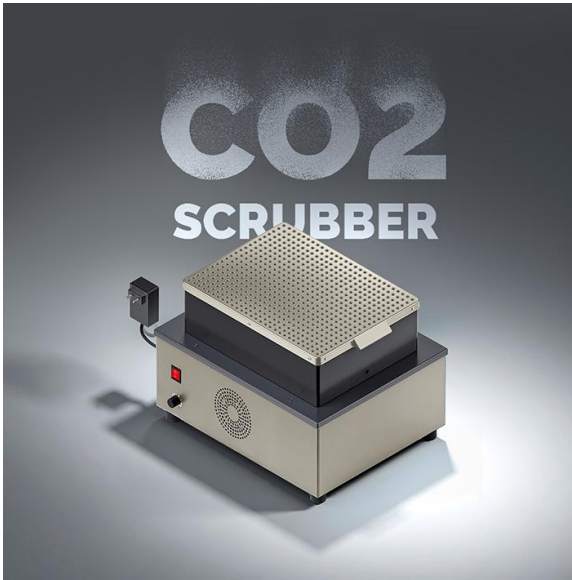
CBRN, CO₂, CO filters and HEPA, ULPA and Safe Change Filters for air filtration systems and air handling units (AHU).

CBRN filters - AFU 36 / 50 / 100 / 240 / 300 / 450 / 600 / 900 / 1200 / 1800

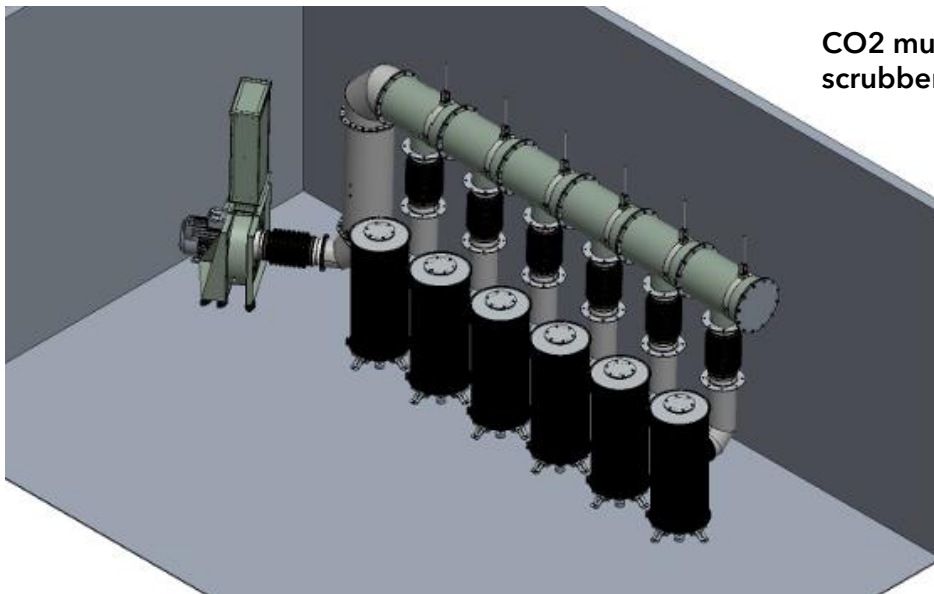


HEPA, ULPA and Dust Filters





CO2 / CO Scrubbers



CO2 multifilter scrubber

CO2/CO Removal Systems – Scrubbers

Required for maintaining safe level of carbon dioxide (CO₂) and carbon monoxide (CO) in isolated from external environment shelters, industrial facilities and spaces. Such systems commonly integrated together with O₂ and Compressed Air supply systems to maintain safe levels of oxygen and maintaining the overpressure inside the protected area.



Blast / Overpressure Valves & Dampers



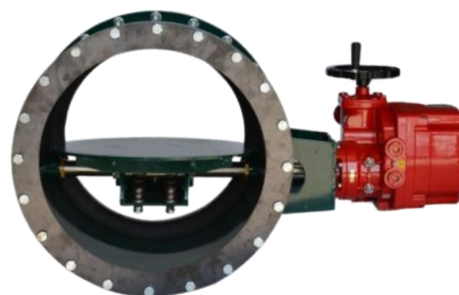
Blast valves (BVNO) – normally open valves which installed on ventilation openings or integrated into ventilation ducts to protect the system and internal space of shelters or facilities from sudden rise of pressure result of the blast.

Overpressure valves (BVNC) – normally closed valves which installed in airtight shelters to maintain overpressure levels by releasing the air.

Gastight valves (GTV) – valves with manual or electric drive are intended for installation on ventilation duct for blocking the airflow.



Gastight valves with manual and motorized operation



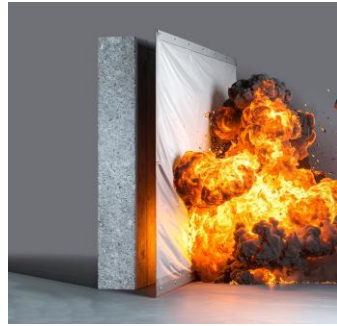
High- and low-pressure blowers for air filtration and ventilation systems with electric and manual operation function.

Blowers with manual backup



Large ventilation blowers





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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