



**CATALOG**

# **CBRN | CO2 | CO Filtration & Air Management Solutions**

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.



SAFE 360



ARC 50



ARC 100 | 180 | 240 | 300



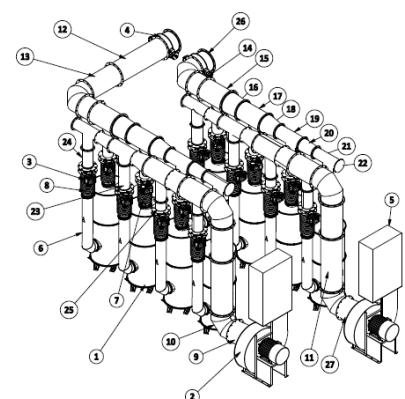
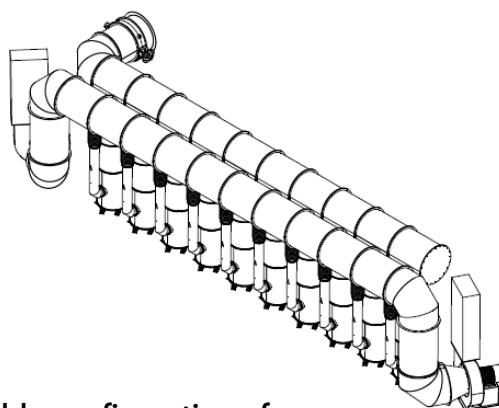
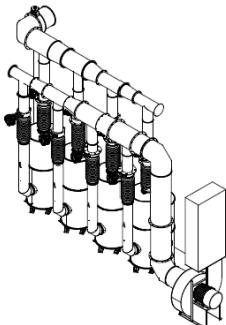
ARC 450 | 600



ARC 900 | 1200 | 1800

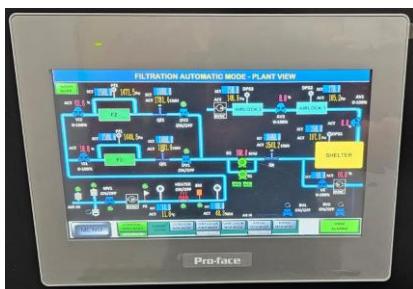


IVL-1



Possible configuration of CBRN Filtration Batteries

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 m<sup>3</sup>/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).

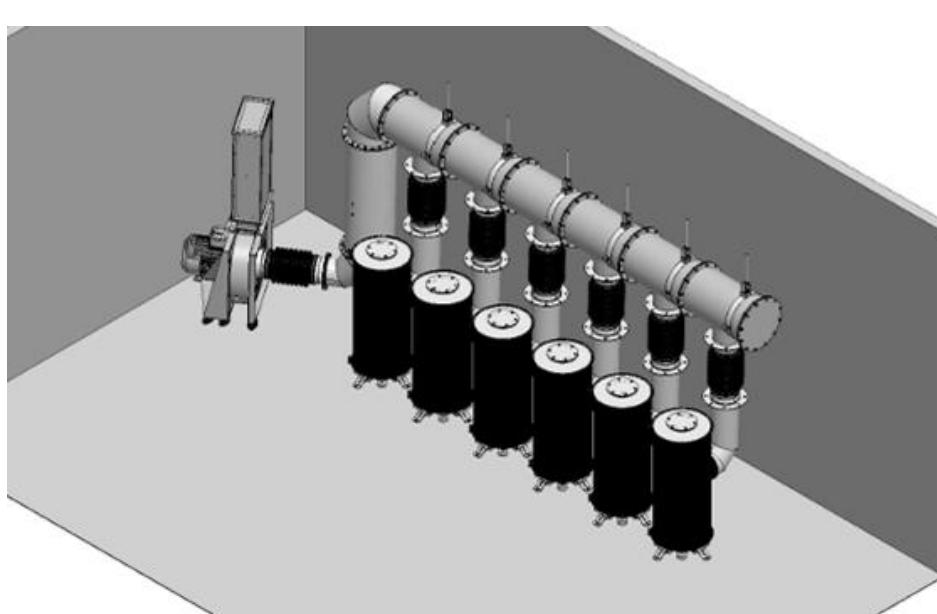
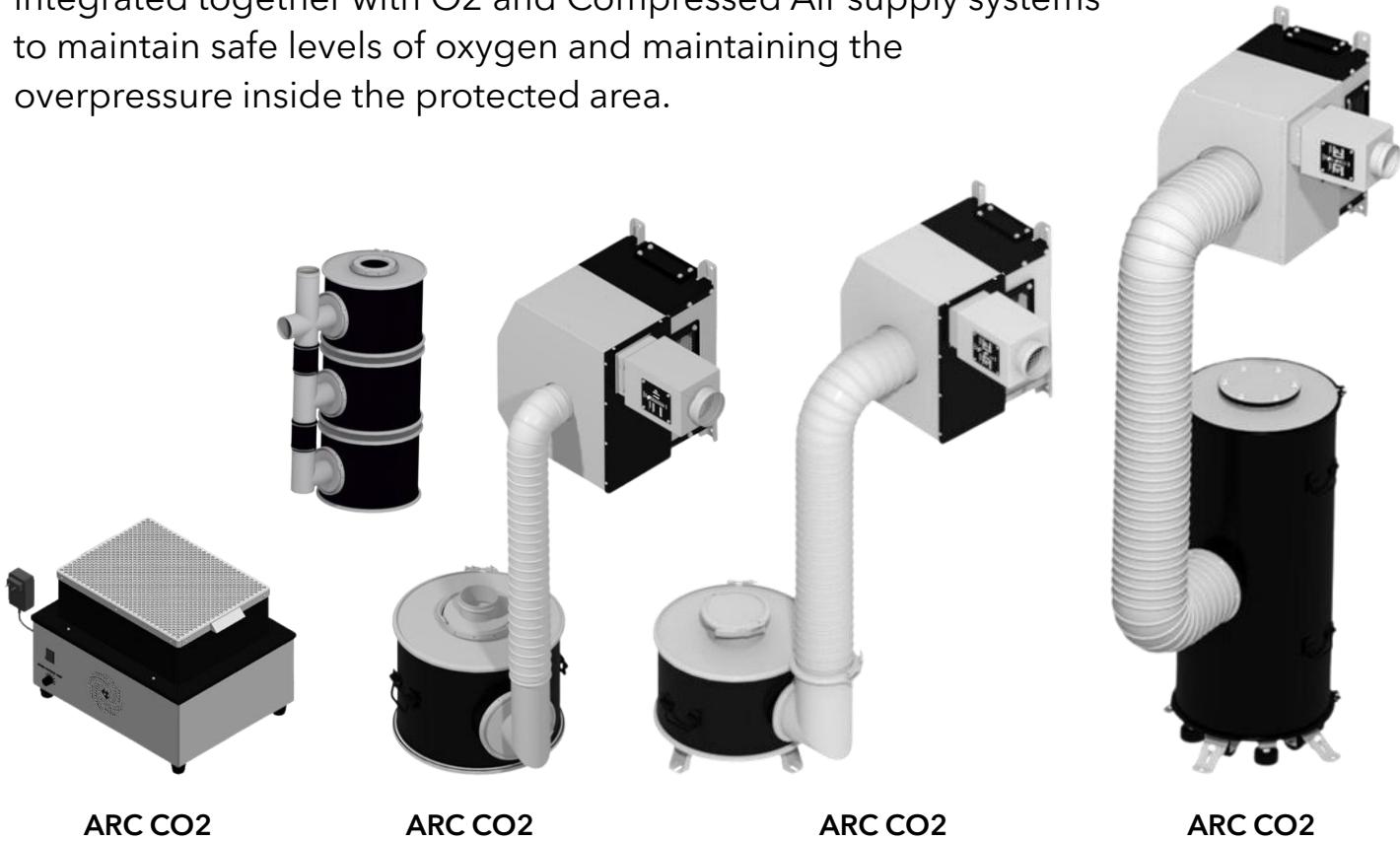
CBRN filters - AFU 36 / 50 / 100 / 240 / 300 / 450 / 600 / 900 / 1200 / 1800

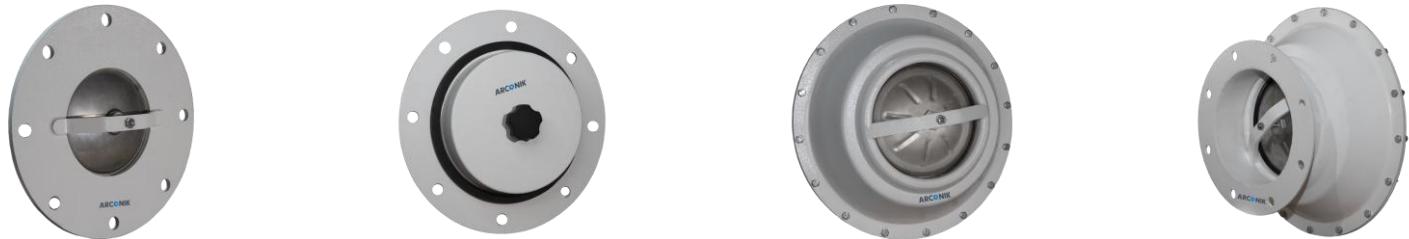


## HEPA, ULPA and Dust Filters



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



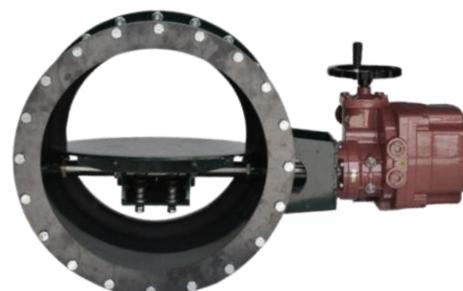
**Blast valves (BVNO)** - normally open valves which installed on ventilation openings or integrated into ventilation ducts to protect the system and internal space of shelters or facilities from sudden rise of pressure result of the blast.

**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





**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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