

BATTERY SYSTEMS FOR CIVIL DEFENSE & MILITARY APPLICATIONS

BATTERY
Series



WHO WE ARE?

- Arconik is the fruit of long-term collaboration between the Israeli company Arcotech 360 Global Limited and Indian Company Nikhtish Engineering Private Limited.
- A unique combination of expertise, R&D, know-how, and experience in the area of NBC / CBRN / CBRNE air filtration solutions positioned Arconik as one of the most esteemed and fastest-growing companies in its field in the world.

MAIN FEATURES

- Arconik Battery Systems are a series of air filtration units connected in parallel for large shelters protecting hundreds or thousands of people.
- These systems are typically installed in civil defense and military shelters as Hospitals, Operation centers, War rooms etc.
- Each system includes :Electrical blower, Anti blast valve, Over pressure valve and 3 stages of filtration : Dust, Hepa and Chemical.
- The Systems are comprised of number of filters of 900, 1200 or 1800 connected in parallel via one pipe header.
- The total airflow is dependent on the amount of filters and valves used.

ADVANTAGES

- The Battery systems are modular and the header can be designed with clients to fit their specific floor space limitations, or use our standard design.
- The filtration units are type tested in an National independent Testing Lab.
- The filtration Units are designed and tested against reflected blast pressure and shock tested with a mechanical shock.
- Arconik Battery NBC filtration Systems are made in accordance to the Israeli standard.
- Thousands of our units are protecting more than a million people in Israel.
- Complies with Israel home front command regulation.

APPLICATIONS

Bomb Shelters



Institutes



Shopping Malls



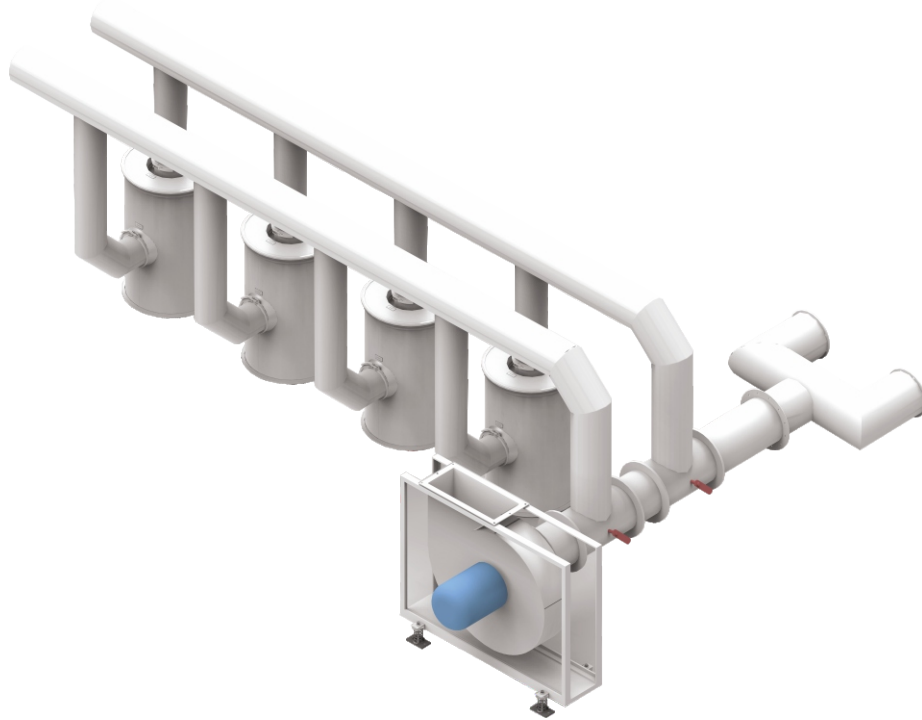
Factories



Multiplex



TECHNICAL SPECIFICATIONS



Example of our Battery Connections:

Total Flow capacity Filtration (cmh)/Ventilation (cmh)	NBC Filter Model, Capacity (cmh) x Qty (nos.)	Blower Model, Flow Capacity (cmh) x Qty. (nos.)	Size of Header Pipes (")
2700/5400	AFU 900 X 3	EBL 5400 x 1	14"
3600/7200	AFU 1200 X 3	EBL7200 x 1	14"
5400/10800	AFU 900 X 6	EBL10800 x 1	20"
5400/10800	AFU 1800 X 3	EBL10800 x 1	20"
7200/14400	AFU 1200 X 6	EBL7200 x 2	20"
9000/18000	AFU 900 X 10	EBL9000 x 2	20"
10800/21600	AFU 1800 X 6	EBL10800 x 2	28"
12000/24000	AFU 1200 X 10	EBL 10800 x 1 + EBL 9000 x 1 + EBL 5400 x 1	28"
18000/36000	AFU 1800 X 10	EBL9000 x 4	32"

For more combinations and information on our piping & ducting solutions please contact us.

Note:

Please check our AFU, EBL, ABV & OPV series catalogues for selection of NBC Filters, Blowers, Normally opened, closed and pressure releasing valves.