

FLOOR FREE 450/900

450/900



WHO WE ARE?

- For more than a decade Arcotech has managed to position itself as an Israeli market leader in the field of blast protection and CBRN filtration systems for shelters and protected areas.
- Our wide range of solutions provides protection for all, from the smallest system for family protection to systems for the protection of thousands of people.
- Together with our international partners Arcotech solutions help protect thousands of people around the world where it really counts.
- The vast practical and real field experience we have gained through tens of thousands of our successful installations places us as one of the fast-growing companies in its field in the world.

MAIN FEATURES

- Institutional system series is a series of air filtration systems for commercial and institutional applications.
- Each system includes :Electrical blower, Blast Valve Normally Open, Blast Valve Normally Close and 3 stages of filtration : Dust, Hepa and Chemical.
- Optional high wall / concealed installation to free up high value real estate or room in the shelter.
- Larger flow capacities can be achieved by combining various ARC systems or using our advanced BATTERY series.

ADVANTAGES

- Systems are available in various filtration sizes as 180,240,300,450,600, 900,1200 & 1800 m³/h
- Thousands of our units are protecting more than a million people in Israel.
- Complies with SII (Standards Institution of Israel) standard SI 4570 (part 1 to 4)
- Complies with Israel home front command regulation.
- Our systems comply and are certified for SII 4570
- They are regularly and continuously tested by the National Standards Institute.



APPLICATIONS

Institutes



Shopping Malls



Factories



Multiplex





TECHNICAL SPECIFICATIONS - FLOOR FREE 450/900

Technical Specifications	Values	Units
BLAST VALVE NORMALLY OPEN (BVNO 1000 8L)		
Airflow (Ventilation mode)	900	m ³ /h
Airflow (Filtration mode)	450	m ³ /h
Returned Pressure durability	>900(9)	kPa (bar)
Pressure drop (Ventilation mode)	38	mmWC
Pressure drop (Filtration mode)	11	mmWC
Weight of Anti-Blast Valve	40	Kg
AIR FILTER UNIT (AFU 450)		
Airflow rate	450	m ³ /h
Pressure Drop at Nominal Flow	50	mmWC
Weight of active carb	48	Kg
Weight of Air filter unit	120	Kg
Efficiency	≥99.995	%
CENTRIFUGAL BLOWER (EBL 600)		
Airflow (Ventilation mode)	900	m ³ /h
Airflow (Filtration mode)	450	m ³ /h
Pressure drop (Ventilation mode)	139	mmWC
Pressure drop (Filtration mode)	162	mmWC
Electric motor (Voltage)	230	V
Electric motor (Current)	2.2	A
Manual operation	2	Person
Frequency	50/60	Hz
BLAST VALVE NORMALLY CLOSED (BVNC 300 8Y)		
Airflow (Ventilation mode)	900	m ³ /h
Airflow (Filtration mode)	450	m ³ /h
Returned pressure durability	>900 (9)	kPa (bar)
Pressure drop (Ventilation mode)	31	mmWC
Pressure drop (Filtration mode)	18	mmWC

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