

FILTRATION SYSTEMS FOR COMMERCIAL APPLICATIONS

ARC
1800



WHO WE ARE?

- Arconik is an uprising multinational company.
- An unique combination of expertise, R&D, know-how, and experience in the area of air filtration solutions positions Arconik as one of the most esteemed and fastest-growing companies in its field in the world.
- Our wide range of solutions provide protection for all, from the smallest system for family protection to systems for protections of thousands of civilians.
- The vast practical & 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

- ARC 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 36 to 1800 m³/h
- Thousands of our units are protecting more than a million people all over the world.
- They are regularly tested by National Standards institutes.



APPLICATIONS

Institutes



Shopping Malls



Factories



Multiplex





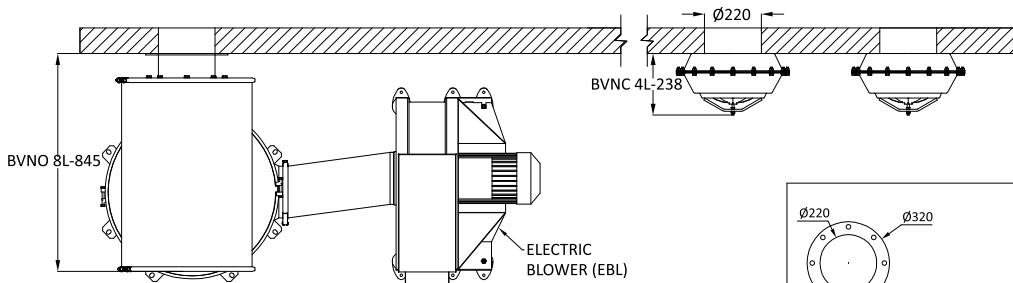
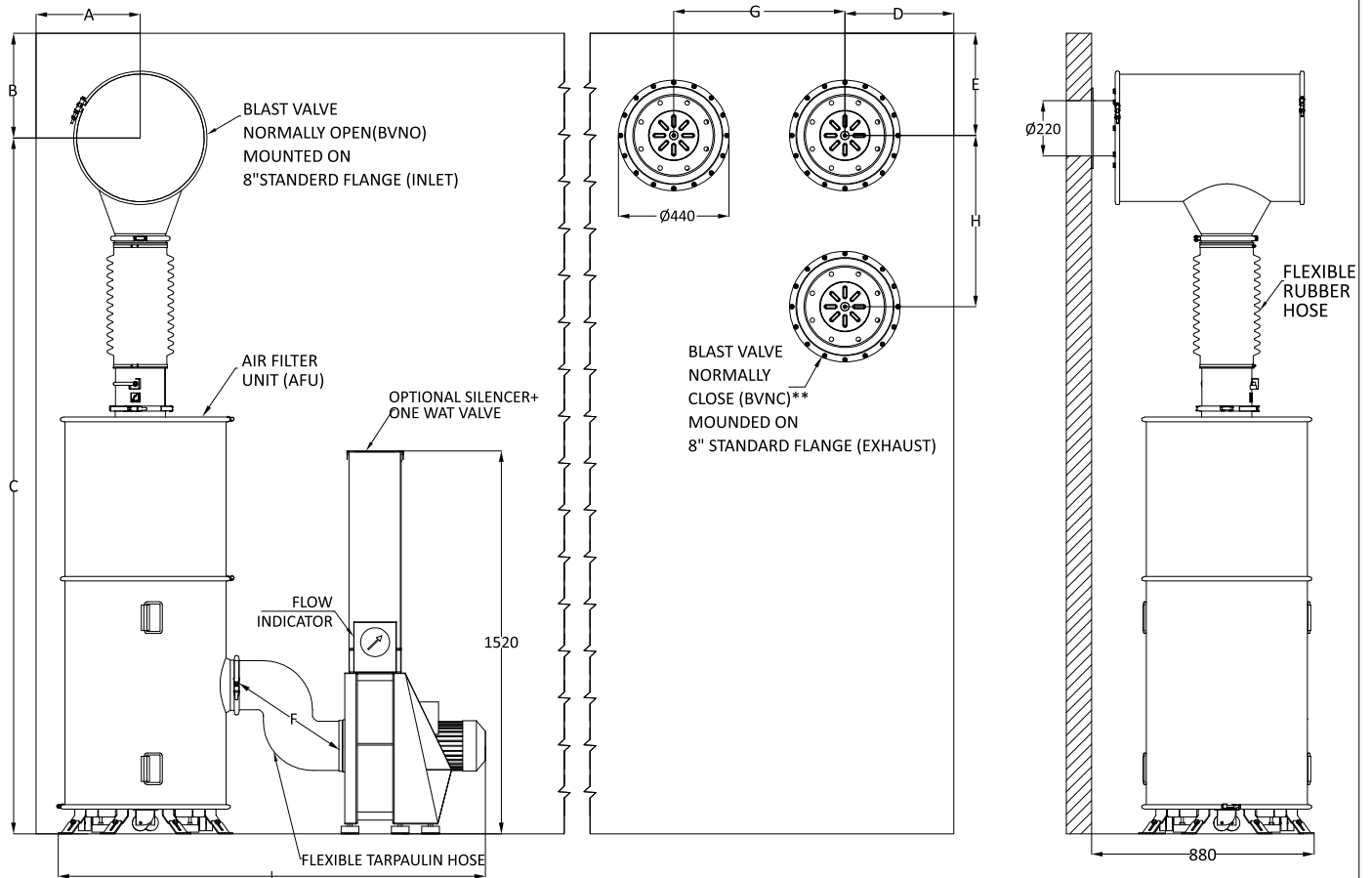
TECHNICAL SPECIFICATIONS - ARC 1800

Technical Specifications	Values	Units
BLAST VALVE NORMALLY OPEN (BVNO 2600 8L)		
Airflow (Ventilation mode)	3600	m³/h
Airflow (Filtration mode)	1800	m³/h
Functional pressure durability	>900(9)	kPa (bar)
Maximum pressure durability	>2000(20)	kPa (bar)
Pressure drop (Ventilation mode)	1100	Pa
Pressure drop (Filtration mode)	400	Pa
AIR FILTER UNIT (AFU 1800)		
Airflow rate	1800	m³/h
Pressure Drop at Nominal Flow	1000	Pa
Weight of Air filter unit	310	Kg
Efficiency	≥99.995	%
CENTRIFUGAL BLOWER (EBL 2400)		
Airflow (Ventilation mode)	3600	m³/h
Airflow (Filtration mode)	1800	m³/h
Pressure Drop (Ventilation mode)	2630	Pa
Pressure Drop (Filtration mode)	1900	Pa
Electric Motor (Voltage)	400-415	V
Electric Motor (Current)	4.1	A
Frequency	50/60	Hz
BLAST VALVE NORMALLY CLOSED (BVNC 600 8Y) x 3		
Airflow (Ventilation mode)	1800	m³/h
Airflow (Filtration mode)	900	m³/h
Functional pressure durability	>900(9)	kPa (bar)
Maximum pressure durability	>2000(20)	kPa (bar)
Pressure drop (Ventilation mode)	660	Pa
Pressure drop (Filtration mode)	285	Pa

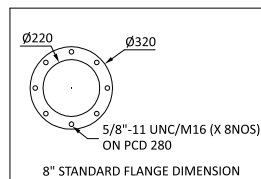


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** Number of BVNC can be reduced by using capacity BVNCs.
For selection please contact our website or refer BVNC catalogue.



DIMENSION	MINIMUM	MAXIMUM
A	415	NA
B	415	NA
C	2665	2915
D	370	NA
E	370	NA
F	400	2450
G	590	NA
H	590	NA
I	1700	3700

DATE: 27-09-2023
NOTE : ALL DIMENSION IN MM

