

FILTRATION SYSTEMS FOR COMMERCIAL APPLICATIONS

ARC
Series



*Representation of ARC 180 to ARC 600 Floor- Free Arrangement

WHO WE ARE?

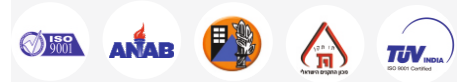
- Arconik is an uprising multinational company.
- An unique combination of expertise, R&D, know-how, and experience in the area of air filtration solutions positions Arconik as one of the most esteemed and fastest-growing companies in its field in the world.
- Our wide range of solutions provide protection 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 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.



APPLICATIONS

Institutes



Shopping Malls



Factories



Multiplex





ARC-TECHNICAL SPECIFICATIONS

Properties	Unit	Models								
SYSTEM		ARC 180	ARC 240	ARC 300	ARC 450	ARC 600	ARC 900	ARC 1200	ARC 1800	
Nominal Filtration / Ventilation Air flow	m ³ /h	180/360	240/480	300/600	450/900	600/1200	900/1800	1200/2400	1800/3600	
Air Filter Unit		AFU 180	AFU 240	AFU 300	AFU 450	AFU 600	AFU 900	AFU 1200	AFU 1800	
Weight	kg	72	84	92	120	145	195	236	310	
Pressure Drop at Nominal Flow	Pa	500	500	500	500	500	1000	1000	1000	
Particulate Filtration Efficiency (At 0.3 micron)	%	≥99.995								
Adsorption Capacity	-	Surpassing all National Civil Defence Standards								
Working Temperature Range	°C	-20 to +70								
Blast Valve Normally Closed	Model x Quantity	BVNC 300 8Y x 1			BVNC 300 8Y x 2		BVNC 600 8Y x 1	BVNC 600 8Y x 2	BVNC 600 8Y x 3	
Blast Valve Normally Closed Pressure Drop at Nominal/Ventilation Air flow	Pa	170/250	185/290	200/380	185/290	200/380	170/300	200/450	200/450	
Blast Valve Normally Open	-	BVNO 550 8L	BVNO 600 8L		BVNO 1000 8L		BVNO 1800 8L		BVNO 2600 8L	
Blast Valve Normally Open Pressure drop at Filtration/Ventilation	Pa	30/110	40/130	60/170	110/380	150/470	110/370	180/510	400/1110	
Standard Flange for Valves	Inch	8							14 or 8	
Returned Presssure Durability of Valves	kPa (bar)	>900 (9)								
Mechanical Shock Resistance for Valves	g	>12								
ELECTRIC BLOWER		EBL 180	EBL 300		EBL 600		EBL 2400			
Voltage	VAC	230				400~415				
Phase	Ph	1				3				
Max. Current	A	2.2				4.1				
Static Pressure at Nominal/Ventilation Air Flow	Pa	1400/1300	1350/1250	1200/1000	1500/1200	1450/1100	2760/2630	2760/2330	2630/1900	
People required for Manual Backup	Pax	2	2	2	4	4	Generator only			
Pressure available for Ducting	Pa	620	400	370	470	150	1200	1120	2280	

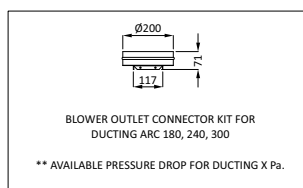
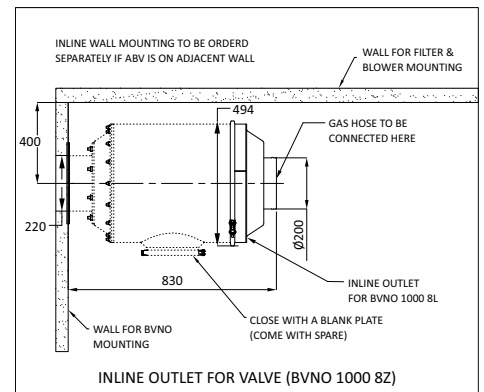
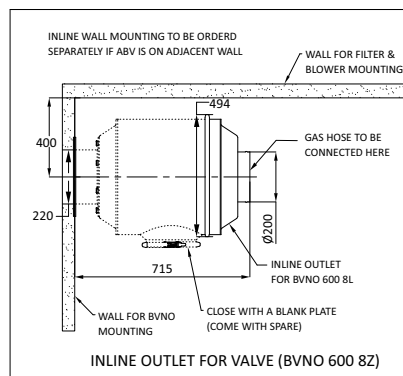
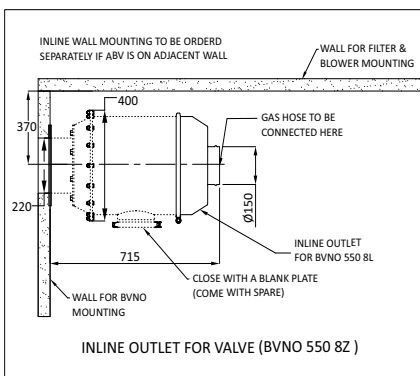




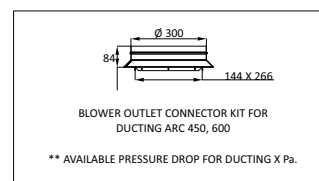
*Representation of ARC 900 to ARC 1800 Floor- Free Arrangement

ACCESSORIES

ACCESSORIES

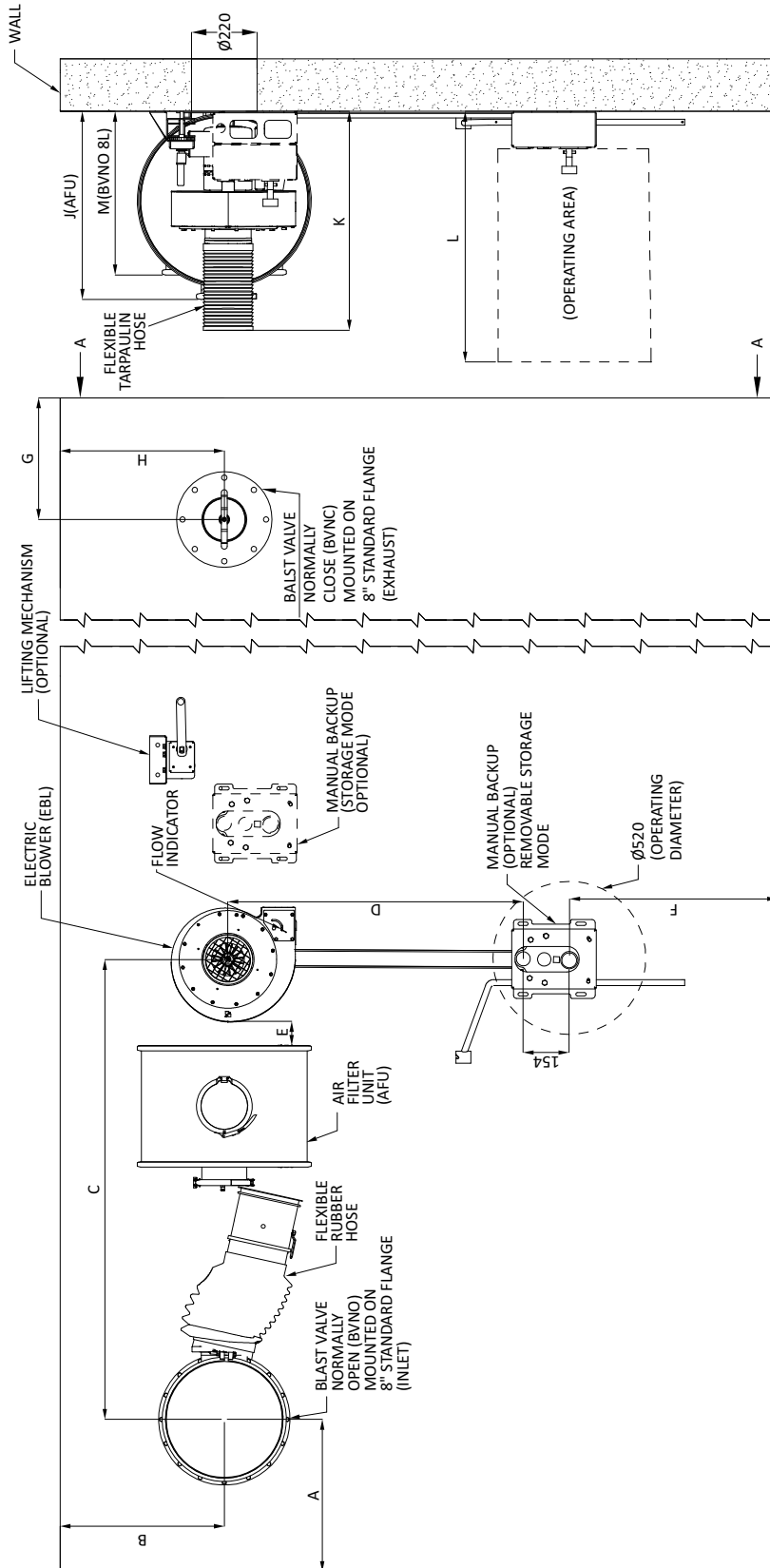


AVAILABLE PRESSURE DROP FOR DUCTING X Pa.	
SYSTEM	PRESSURE DROP (x) Pa
ARC 180	620
ARC 240	400
ARC 300	370
ARC 450	470
ARC 600	150



FLOOR FREE ARC SERIES

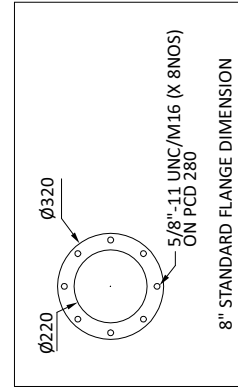
FLOOR FREE ARC 180, 240, 300



VIEW A-A

BELT KIT TO BE ORDERED SEPARATELY

BELT OPTION	CENTER DISTANCE(D)
480-H	520+/-2
540-H	596+/-2
660-H	749+/-2
850-H	990+/-2
1250-H	1498+/-2
1510-H	1829+/-2
1560-H	1892+/-2

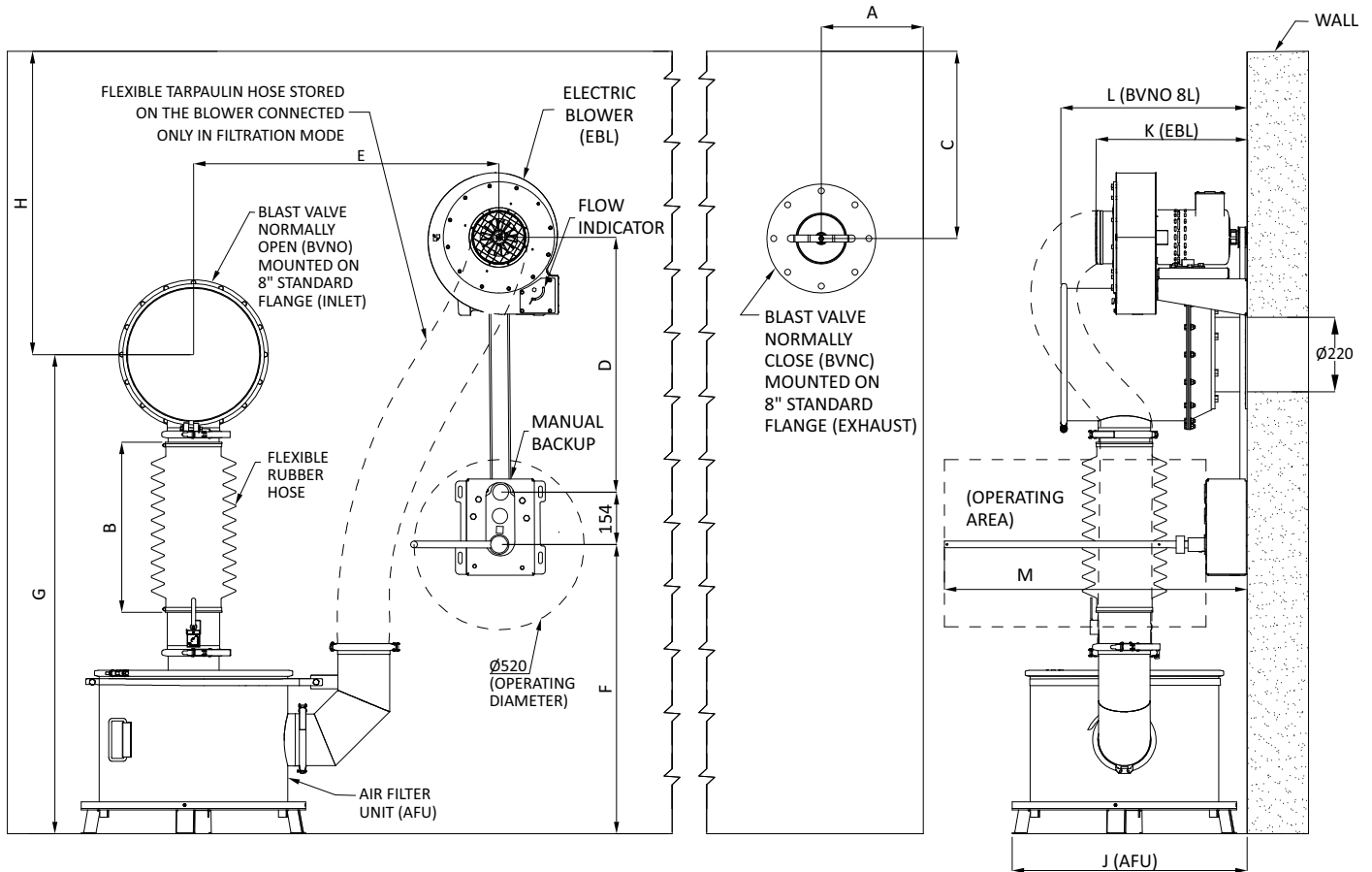


SYSTEM DIMENSION	ARC 180		ARC 240		ARC 300	
	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
A	370	NA	400	NA	400	NA
B	370	NA	400	NA	400	NA
C	1540	1790	1625	1875	1700	1950
D	520	1892	520	1892	520	1892
E	40	NA	40	NA	40	NA
F	800	1300	800	1300	800	1300
G	310	NA	310	NA	310	NA
H	310	NA	310	NA	310	NA
J	630	NA	630	NA	630	NA
K	735	NA	865	NA	865	NA
L	1010	NA	1010	NA	1010	NA
M	548	NA	550	NA	550	NA

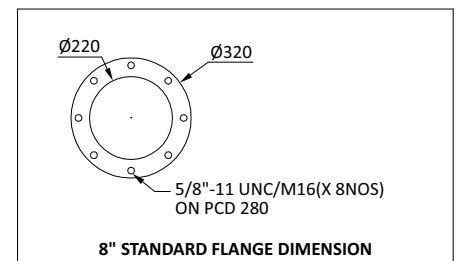
NOTE : ALL DIMENSION IN MM

FLOOR MOUNTED ARC SERIES

FLOOR MOUNTED ARC 180, 240, 300



SYSTEM	ARC 180		ARC 240		ARC 300	
	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
A	310	NA	310	NA	310	NA
B	400	650	400	650	400	650
C	310	NA	310	NA	310	NA
D	520	990	520	990	520	990
E	900	1100	900	1100	900	1100
F	800	1300	800	1300	800	1300
G	1310	1560	1455	1705	1530	1780
H	370	NA	400	NA	400	NA
J	690		720		720	
K	445		595		595	
L	548		550		550	
M	1010		1010		1010	



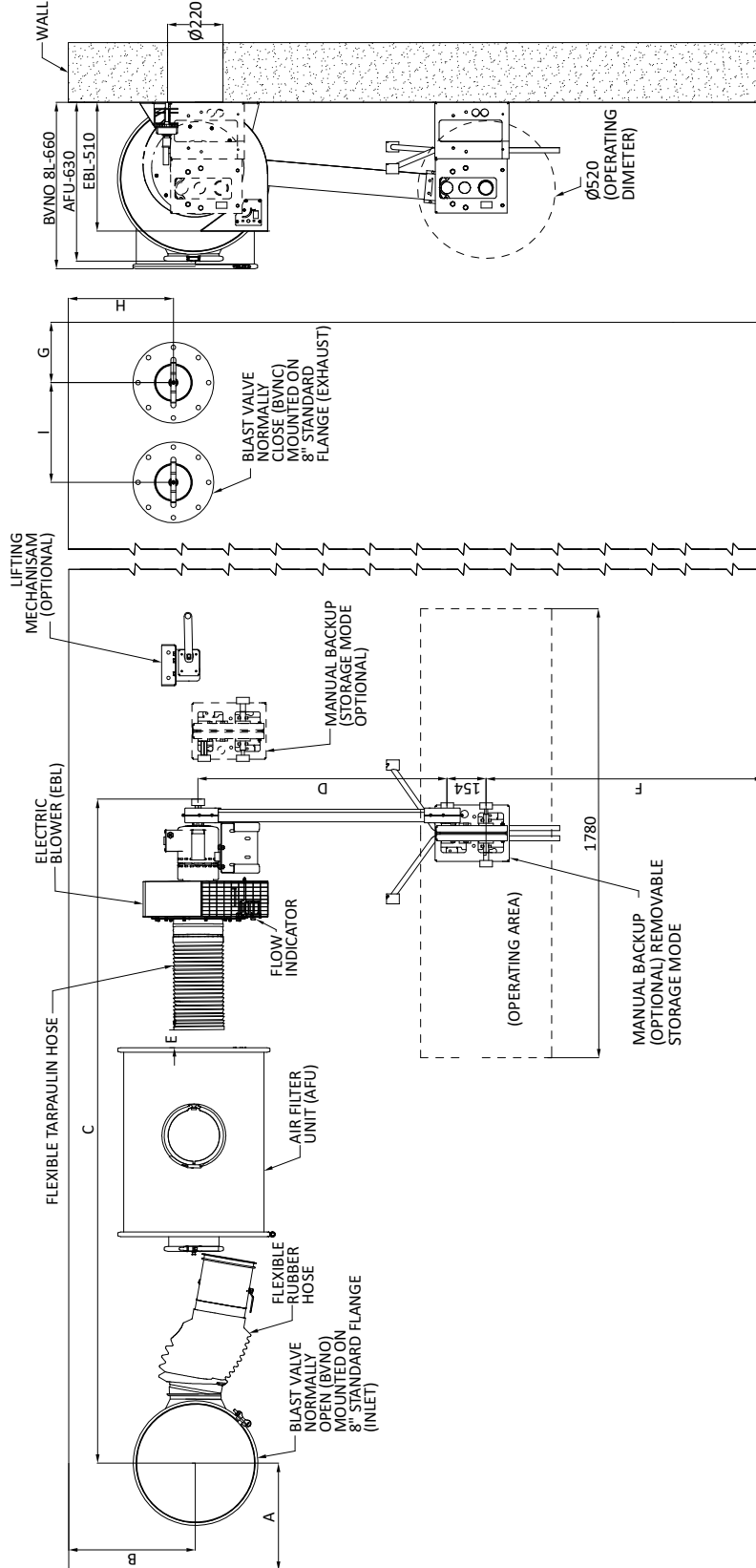
BELT KIT TO BE ORDERED SEPARATELY

BELT OPTION	CENTER DISTANCE (D)
480-H	520+/-2
540-H	596+/-2
660-H	749+/-2
850-H	990+/-2

NOTE : ALL DIMENSION IN MM

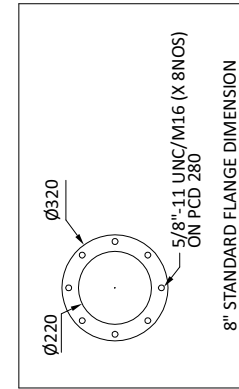
FLOOR FREE ARC SERIES

FLOOR FREE ARC 450, 600



DIMENSION	ARC 450		ARC 600	
	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
A	400	NA	400	NA
B	400	NA	400	NA
C	2630	2880	2790	3040
D	520	1892	520	1892
E	70	NA	70	NA
F	800	1300	800	1300
G	310	NA	310	NA
H	310	NA	310	NA
I	470	NA	470	NA

BELT OPTION	BELT KIT TO BE ORDERED SEPARATELY	CENTER DISTANCE(D)
480-H		520+/-2
540-H		596+/-2
660-H		749+/-2
850-H		990+/-2
1250-H		1498+/-2
1510-H		1829+/-2
1560-H		1892+/-2

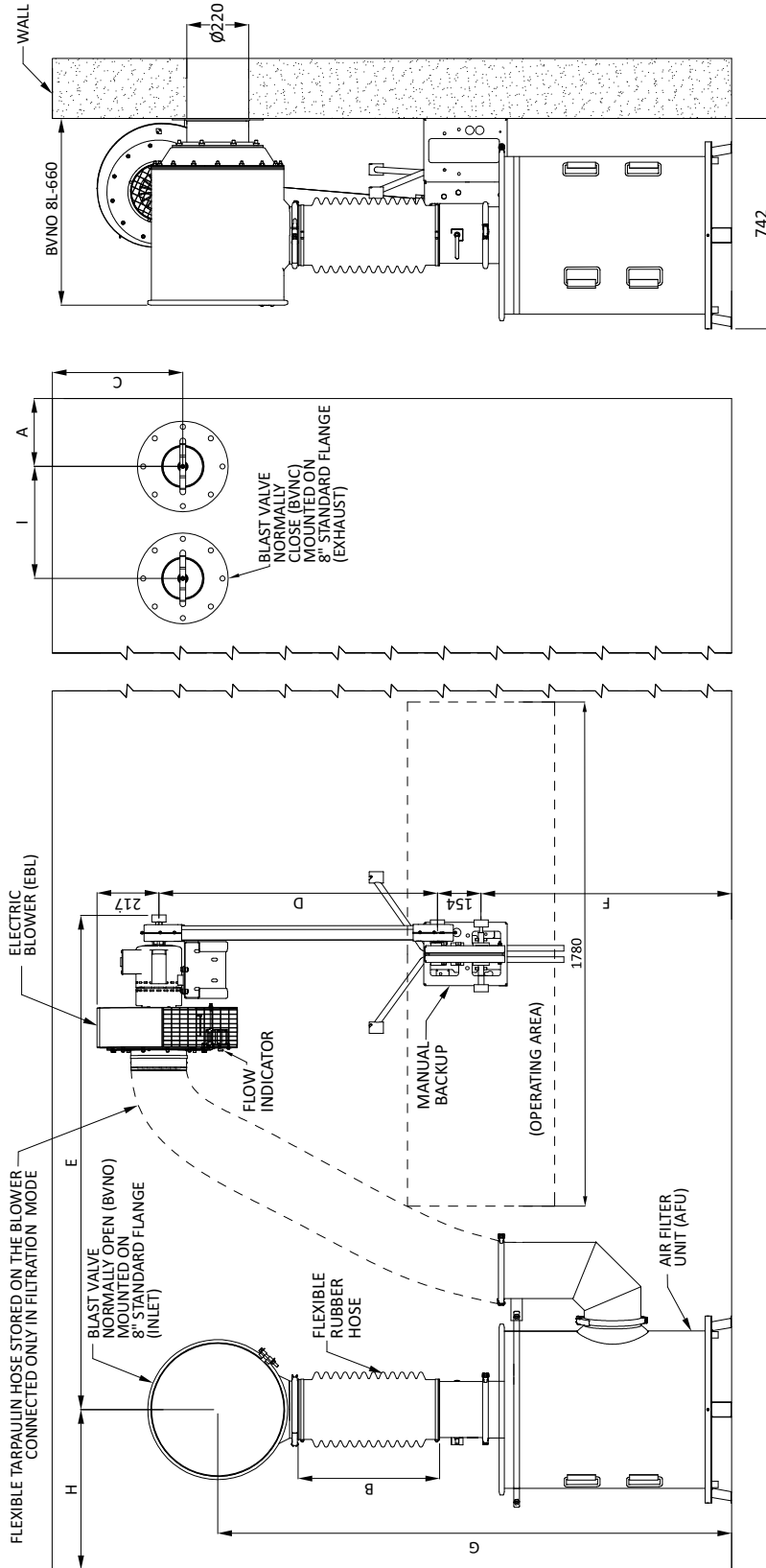


NOTE : ALL DIMENSION IN MM



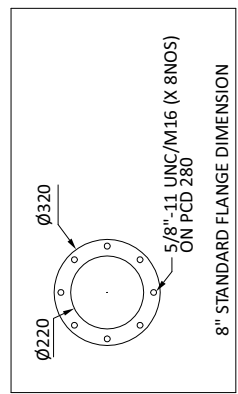
FLOOR MOUNTED ARC SERIES

FLOOR MOUNTED ARC 450, 600



BELT KIT TO BE ORDERED SEPARATELY

BELT OPTION	CENTER DISTANCE(D)
480-H	520+/-2
540-H	596+/-2
660-H	749+/-2
850-H	990+/-2

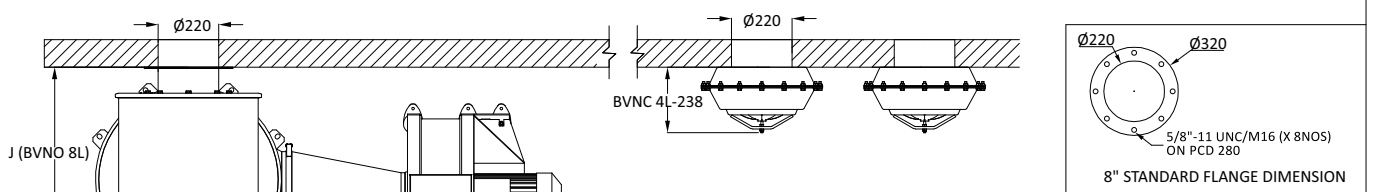
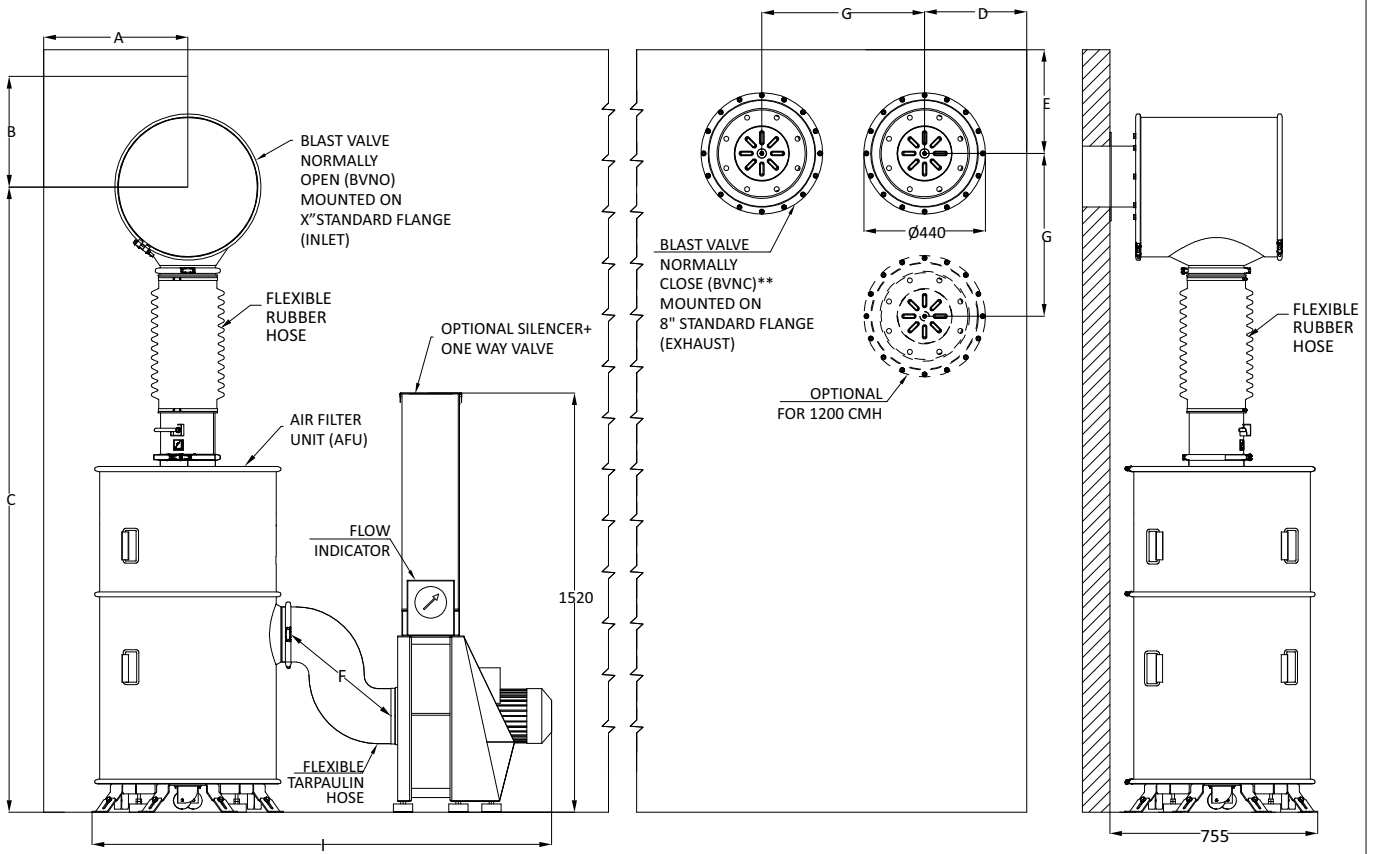


DIMENSION	ARC 450		ARC 600	
	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
A	310	NA	310	NA
B	400	650	400	650
C	310	NA	310	NA
D	520	990	520	990
E	1700	1900	1700	1900
F	800	1300	800	1300
G	1715	1965	1890	2140
H	400	NA	400	NA
I	470	NA	470	NA

NOTE : ALL DIMENSION IN MM

ARC 900, 1200, 1800 SERIES

ARC 900, 1200, 1800



DIMENSION	ARC 900		ARC 1200		ARC 1800	
	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
A	415	NA	415	NA	415	NA
B	415	NA	415	NA	414	NA
C	1940	2190	2170	2420	2665	2915
D	370	NA	370	NA	370	NA
E	370	NA	370	NA	370	NA
F	400	2450	400	2450	400	2450
G	NA	NA	590	NA	590	NA
H	NA	NA	NA	NA	590	NA
I	1700	3700	1700	3700	1700	3700
J	625	NA	625	NA	845	NA

** Number of BVNC can be reduced by using higher capacity BVNCs, For selection please contact our website or refer BVNC catalogue.
 DATE : 27-09-2023
 NOTE : ALL DIMENSION IN MM