

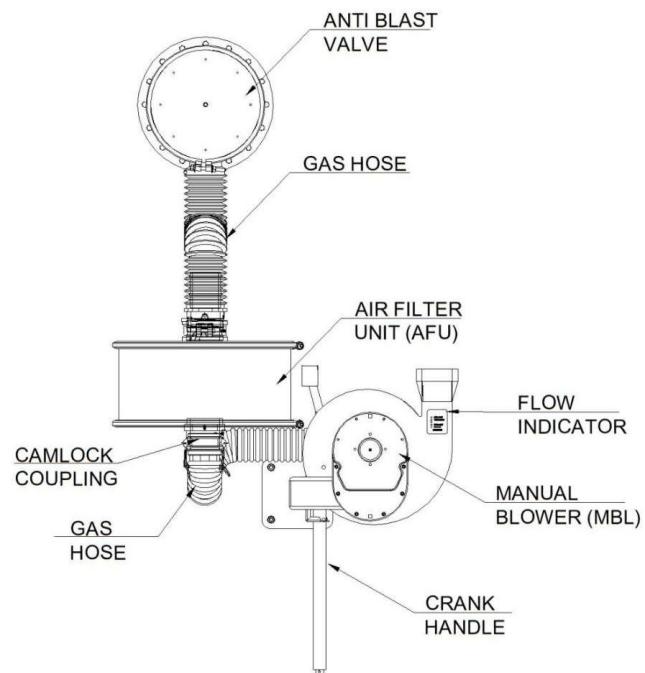
ARC 50

CBRN Filtration and Ventilation System for Shelters and Bunkers

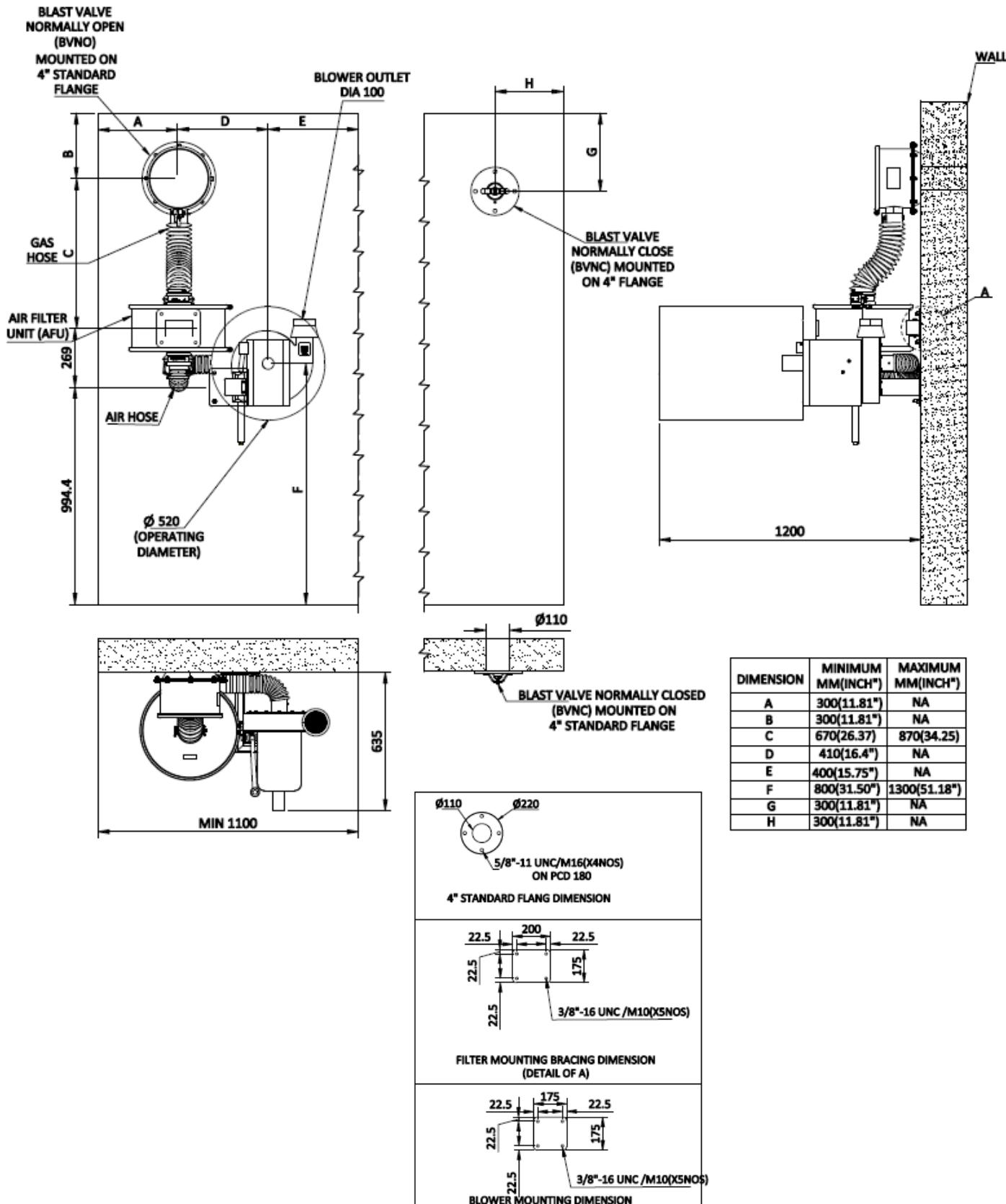
- *Airflow filtration: 50 m³/h*
- *Airflow ventilation: 100 m³/h*
- *Electric blower: 1-phase*
- *Manual backup*



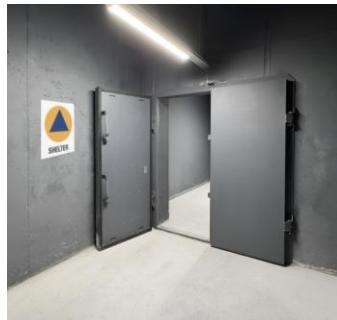
ARC 50 is an advanced collective protection CBRN (chemical, biological, radiological and nuclear) air filtration and ventilation system designed for installation in protected spaces like shelters, bunkers, strategic facilities and other applications for providing fresh filtered air for safe breathing, maintaining an overpressure and creating protected environment inside the intended area.



	VALUES	UNITS
BLAST VALVE NORMALLY OPEN (BVNO 150 4L)		
Functional pressure durability	900	Kpa
Maximum pressure durability	2000	Kpa
AIR FILTER UNIT (AFU 50)		
Nominal airflow	50	m3/h
Pressure drop @ nominal airflow	320	Pascal
Mechanical Filtration Efficiency	≥ 99.995	%
Weight of air filter unit	23.3	Kg
CENTRIFUGAL BLOWER (EBL 50)		
Nominal airflow in ventilation mode	100	m3/h
Nominal airflow in filtration mode	50	m3/h
Nominal pressure @ ventilation mode	910	Pascal
Nominal pressure @ filtration mode	945	Pascal
Electric motor – voltage	230	V
Operational current for 230V motor *	3.5	A
Current power (AC)	1	Phase
Manual Operation	2	Person
Frequency	50	Hz
* Starting current can be up to 6 times higher than the operational current. To reduce influence of a starting current, soft start devise can be used.		
BLAST VALVE NORMALLY CLOSED (BVNC 90 4L)		
Functional Pressure Durability	900	Kpa
Maximum Pressure Durability	2000	Kpa



Note: All dimensions in mm



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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