

AIR FILTRATION & COLLECTIVE PROTECTION

AFU - CBRN Filters



Atmas offers a wide range of CBRN (Chemical, Biological, Radiological & Nuclear) filters which can be integrated in air filtration and air handling units in civil defence shelters, bunkers, industrial facilities, security structures and more.

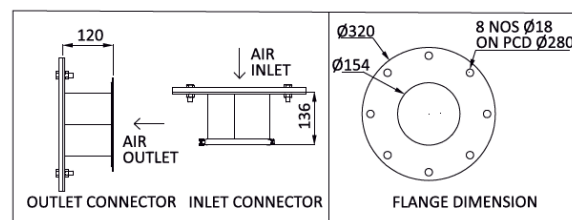
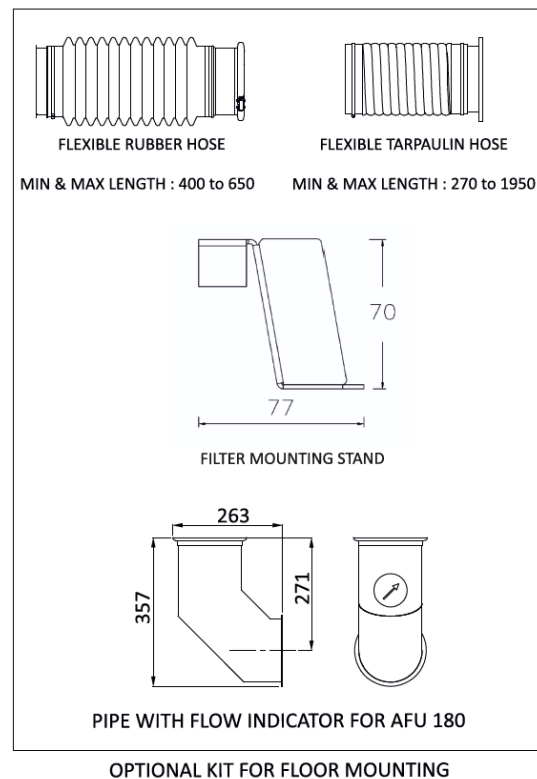
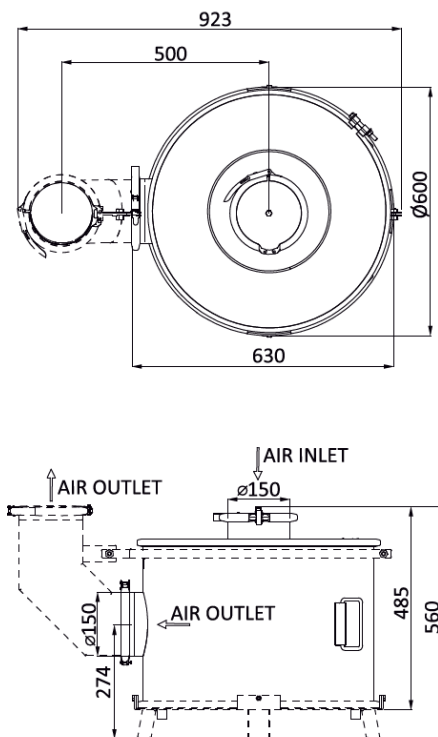
CBRN filters typically consists several layers of filtration for different type of threats:

- HEPA / ULPA filter layer – used for mechanical filtration of airborne biological particles like viruses and bacteria and more.
- Activated carbon layer used for adsorption of war gases and toxic industrial chemicals.
- In some filters coarse dust filter (pre-filter) can be part of the CBRN filter.

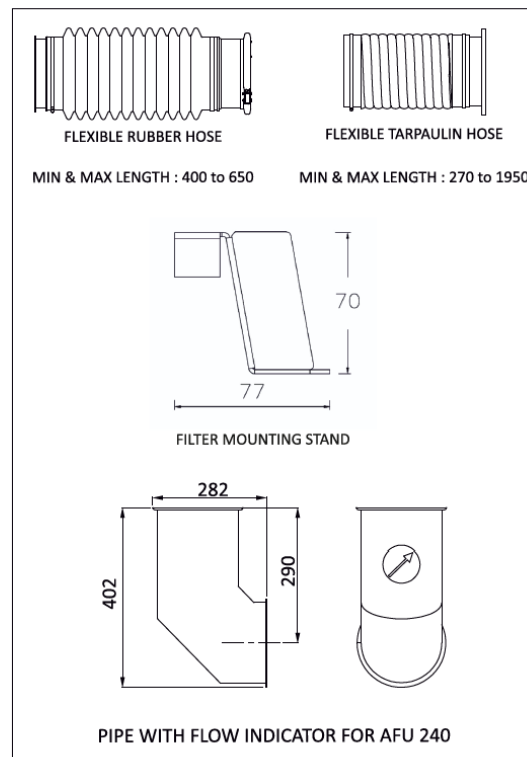
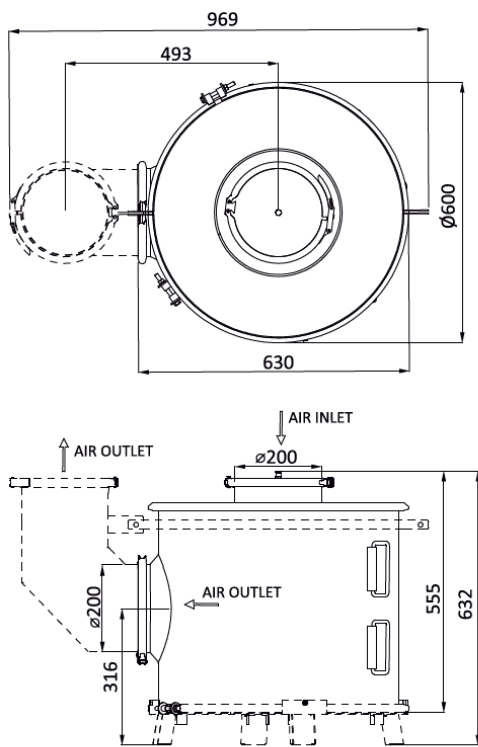
Filters are tested and certified for SI 4570 standard or designed to meet technical requirements of specific international standards.



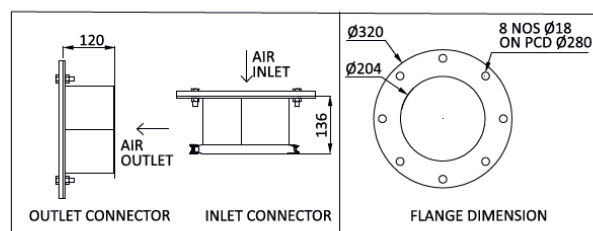
AFU 180 Filter	Value
Nominal airflow	180 m ³ /h
Pressure drop	500 Pa
Weight	72 kg
Mechanical filtration (0.3μ)	≥99.995 %
Activated carbon	SI 4570 standard



AFU 240 Filter	Value
Nominal airflow	240 m ³ /h
Pressure drop	500 Pa
Weight	84 kg
Mechanical filtration (0.3μ)	≥99.995 %
Activated carbon	SI 4570 standard

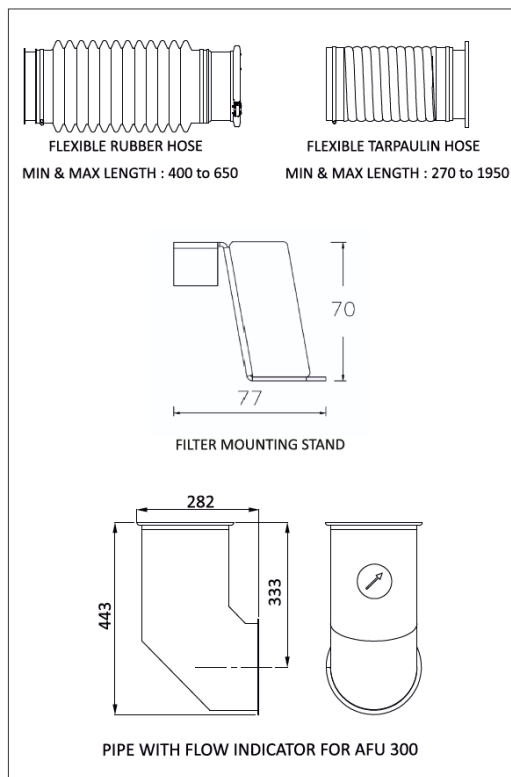
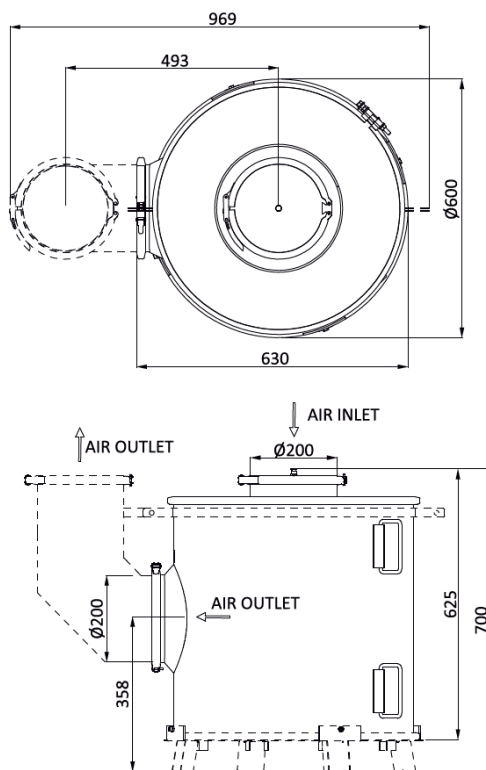


OPTIONAL KIT FOR FLOOR MOUNTING

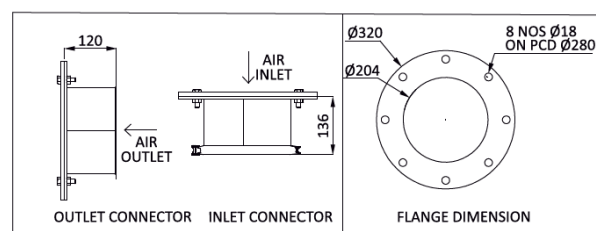


OPTIONAL KIT FOR REPLACEMENT OF QUICK CONNECTION TO FLANGE

AFU 300 Filter	Value
Nominal airflow	300 m ³ /h
Pressure drop	500 Pa
Weight	92 kg
Mechanical filtration (0.3μ)	≥99.995 %
Activated carbon	SI 4570 standard

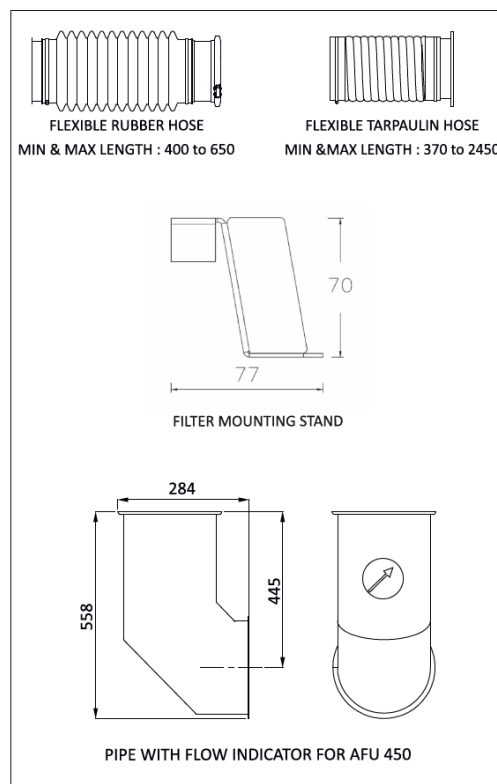
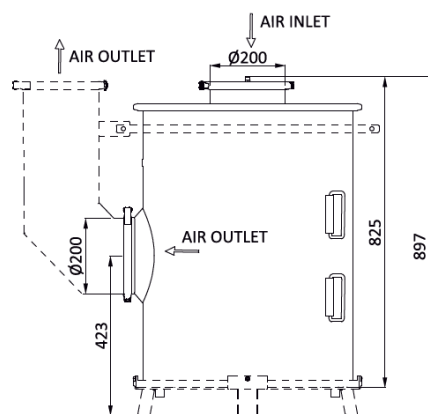
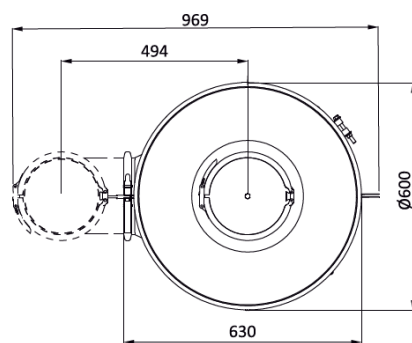


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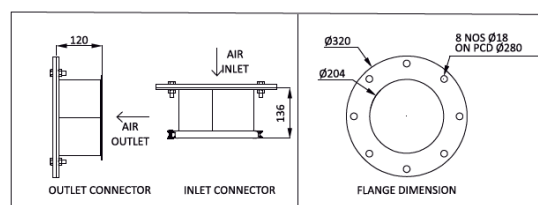


OPTIONAL KIT FOR REPLACEMENT OF QUICK CONNECTION TO FLANGE

AFU 450 Filter	Value
Nominal airflow	450 m ³ /h
Pressure drop	500 Pa
Weight	120 kg
Mechanical filtration (0.3μ)	≥99.995 %
Activated carbon	SI 4570 standard

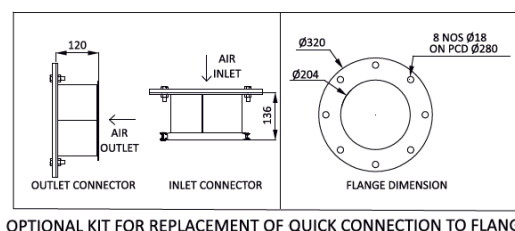
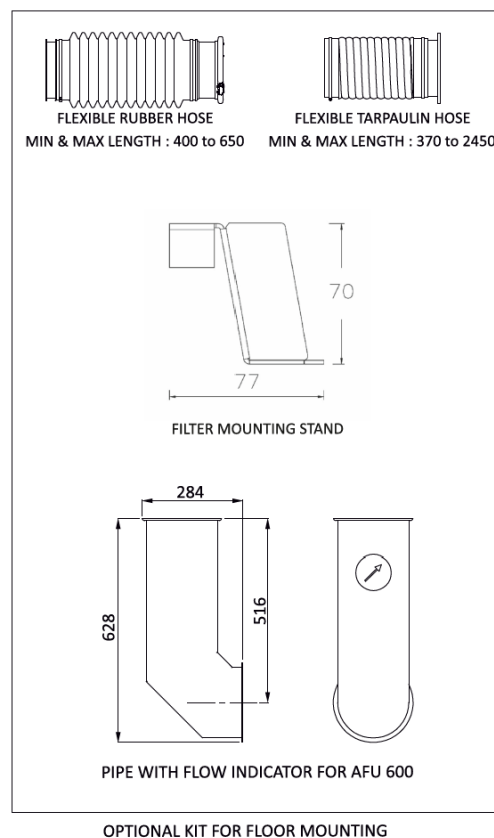
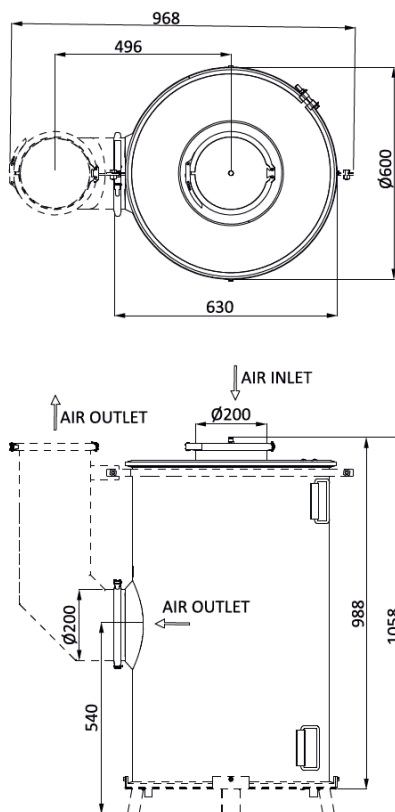


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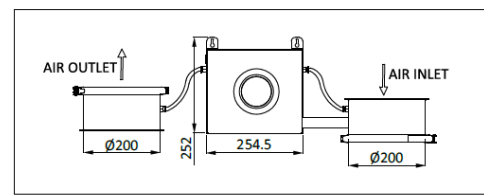
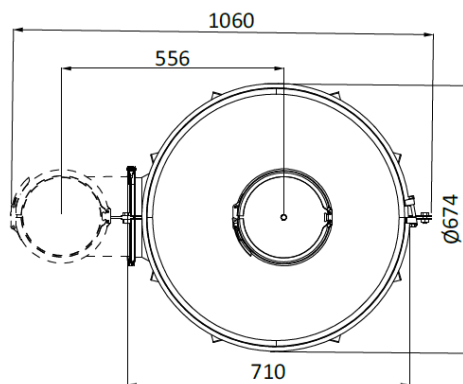


OPTIONAL KIT FOR REPLACEMENT OF QUICK CONNECTION TO FLANGE

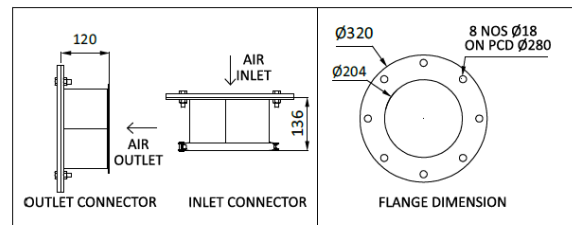
AFU 600 Filter	Value
Nominal airflow	600 m ³ /h
Pressure drop	500 Pa
Weight	145 kg
Mechanical filtration (0.3μ)	≥99.995 %
Activated carbon	SI 4570 standard



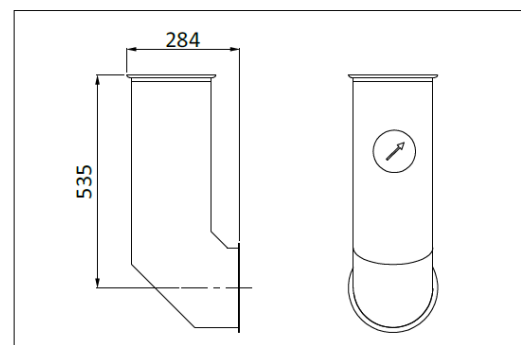
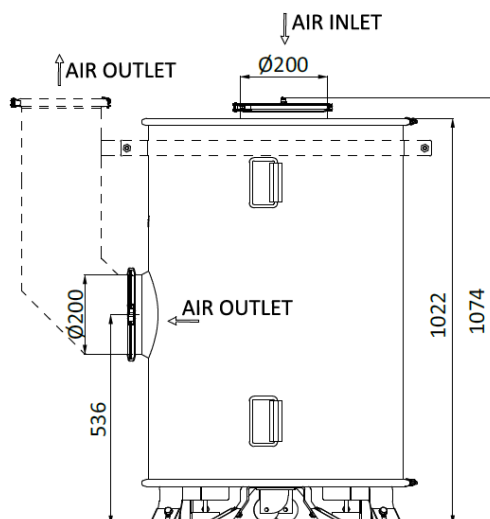
AFU 900 Filter	Value
Nominal airflow	900 m ³ /h
Pressure drop	1000 Pa
Weight	195 kg
Mechanical filtration (0.3μ)	≥99.995 %
Activated carbon	SI 4570 standard



OPTIONAL DIFFERENTIAL PRESSURE GAUGE KIT
(USEFUL FOR FLOW AND FILTER LIFE INDICATION)

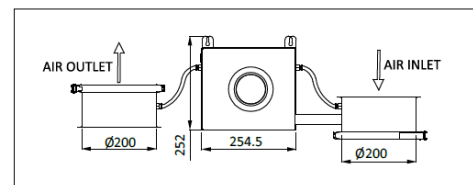
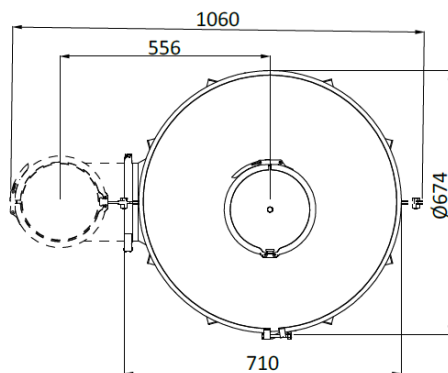


OPTIONAL KIT FOR REPLACEMENT OF QUICK CONNECTION TO FLANGE

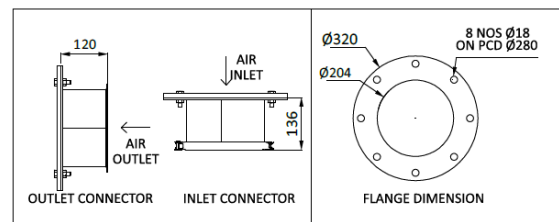
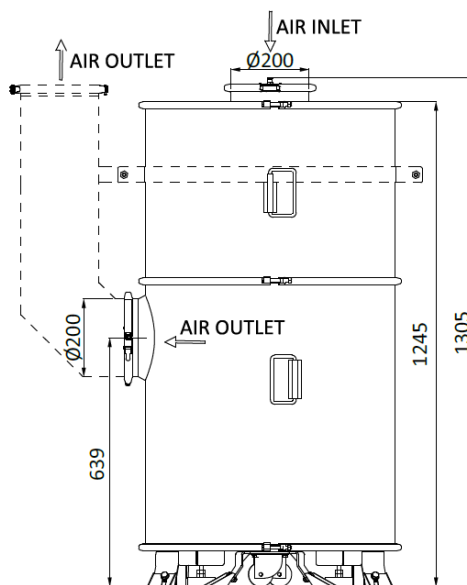


PIPE WITH FLOW INDICATOR FOR AFU 900

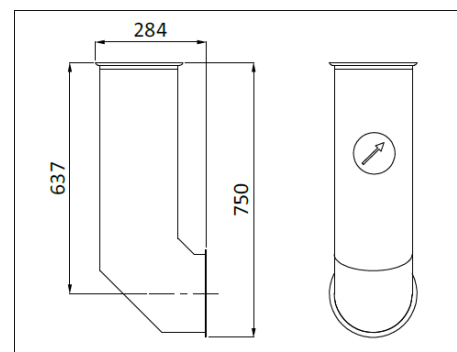
AFU 1200 Filter	Value
Nominal airflow	1200 m ³ /h
Pressure drop	1000 Pa
Weight	236 kg
Mechanical filtration (0.3μ)	≥99.995 %
Activated carbon	SI 4570 standard



OPTIONAL DIFFERENTIAL PRESSURE GAUGE KIT
(USEFUL FOR FLOW AND FILTER LIFE INDICATION)

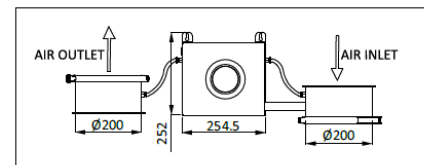
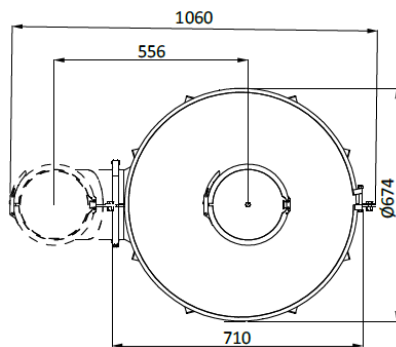


OPTIONAL KIT FOR REPLACEMENT OF QUICK CONNECTION TO FLANGE

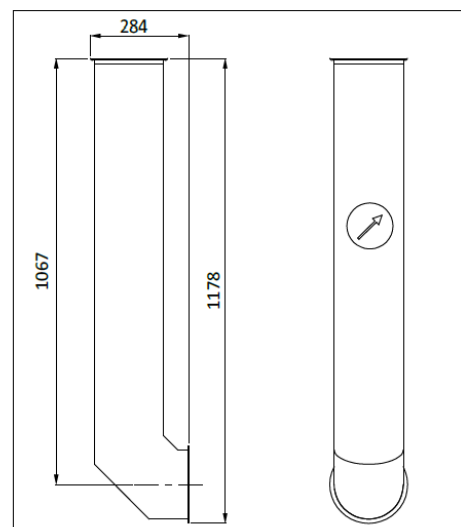
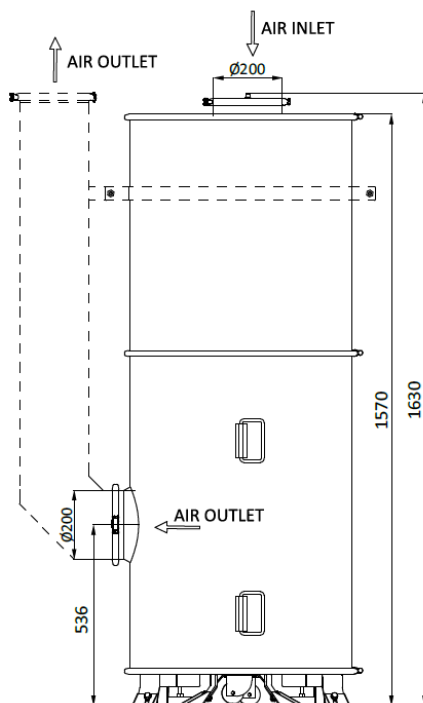
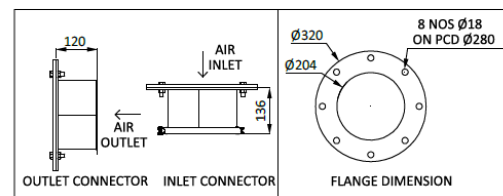


PIPE WITH FLOW INDICATOR FOR AFU 1200

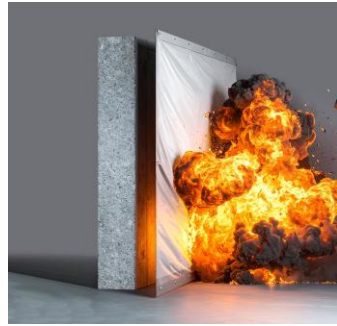
AFU 1800 Filter	Value
Nominal airflow	1800 m ³ /h
Pressure drop	1000 Pa
Weight	310 kg
Mechanical filtration (0.3μ)	≥99.995 %
Activated carbon	SI 4570 standard



OPTIONAL DIFFERENTIAL PRESSURE GAUGE KIT
(USEFUL FOR FLOW AND FILTER LIFE INDICATION)



PIPE WITH FLOW INDICATOR FOR AFU 1800



About Atmas

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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