

AFU RC 100 CBRN filters are specially designed for installation in Eastern Europe type air filtration and ventilation system used in civil defence shelters, bunkers and protected spaces.

The filters combine mechanical filter HEPA and activates carbon and capabilities to filter the air from harmful gases and particles.



Installation Options

AFU RC 100 CBRN filters designed for installation as part of CBRN filtration system and can be connected in parallel in columns of up to 3 filters with special air duct kits.

Connection of the AFU RC 100 Options:

- One filter in column (100 m³/h nominal airflow)
- Two filters in column (200 m³/h nominal airflow)
- Three filters in column (300 m³/h nominal airflow)

1:1



2:1



3:1



Technical Specifications

Item	Value	Units
Nominal airflow	100 / 200	m ³ /h (CMH)
Pressure drop @ 100 m3/h	~ 180	Pa
Pressure drop @ 200 m3/h	~ 350	Pa
Separation efficiency @ 0.3 µ*	≥99.995	%
Humidity in activated carbon	<5	%
Total filter weight	~ 30	kg
Operational temperature range	-50.. +70	°C

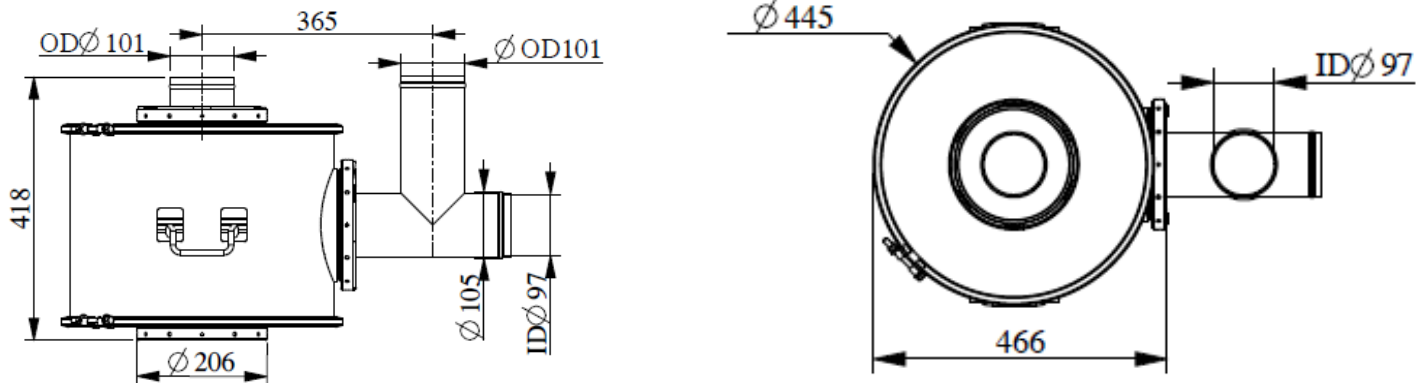
Applicable Standards

Activated carbon*	As per Standard SI4570
HEPA paper	Qualifying for ASME AG-1 FC-I
Welding	EN ISO 9606-1
Surface treatment	Epoxy Powder coating
Container tightness	Maintain overpressure of 1.0 kPa
Gasket material	Silicone
Container material thickness	Mild steel IS513

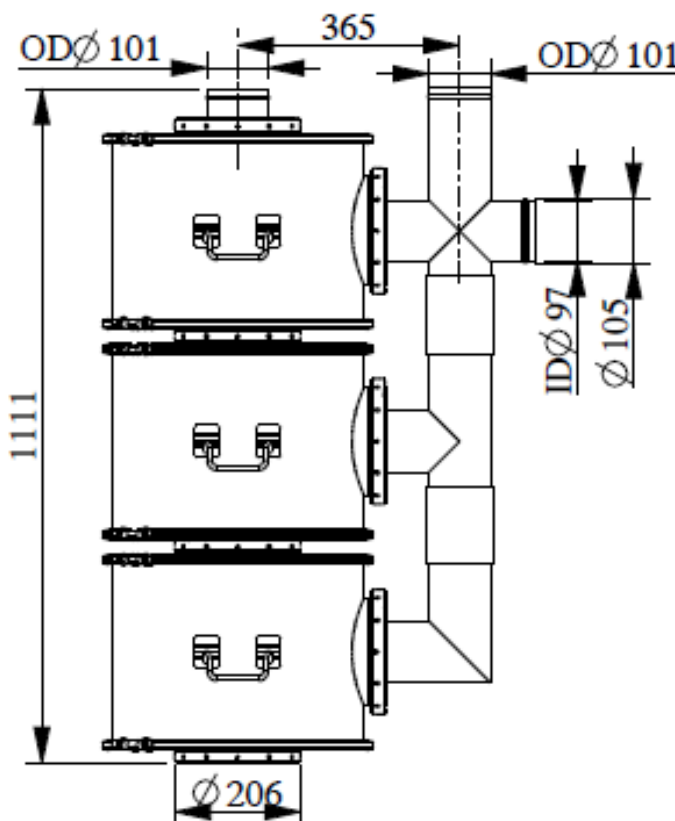
***HEPA & Activated Carbon can be customized to meet different requirements**

Dimensional Drawings

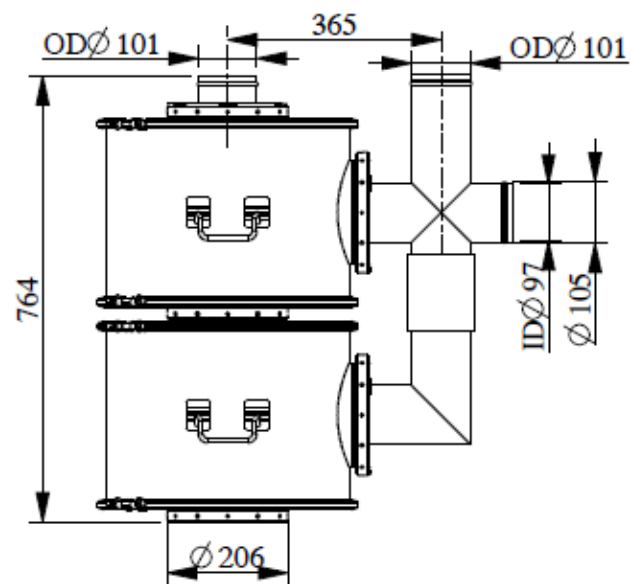
AFU RC 100 Filter arrangement 1:1

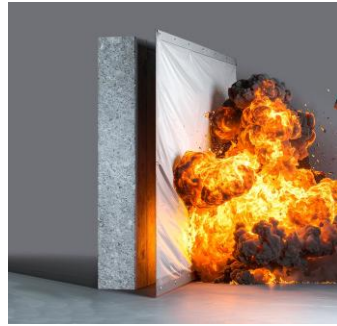


AFU RC 100 Filter arrangement 3:1



AFU RC 100 Filter arrangement 2:1





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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