

# ATMCU

## HIGH TEMPERATURE FILTER



### Features and Benefits

- $\geq 99,99$  at  $0,3 \mu\text{m}$
- High temperature resistance up to a peak of  $400 \text{ }^\circ\text{C}$  to protect ultra clean processes
- Handling high airflow rates up to  $2100 \text{ m}^3/\text{h}$  for critical processes
- Stainless steel construction prevents potential damage from heat stretching
- Uses elastic fiberglass sealant, eliminating cracking or particle shedding seen with ceramic
- Free of silicone to safeguard air quality

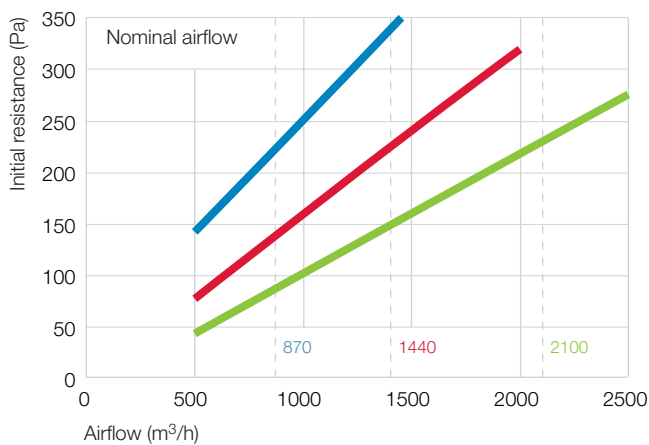
### Applications

The ATMCU high temperature HEPA filter from AAF is designed to provide excellent protection of high temperature processes in ultra clean environments that can be found in industries such as pharmaceutical or electronics. This filter supports compliance with the most stringent requirements so that high output quality requirements can be realized at minimized failure costs.

### Configurations

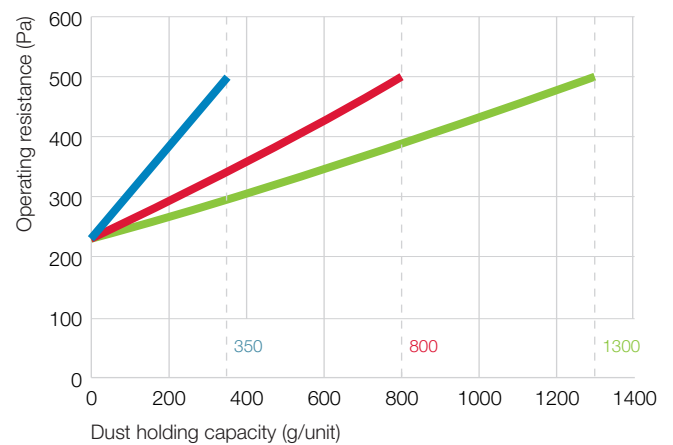
<b>Filter media</b>	Glass fibre
<b>Pack design</b>	Deep-pleat
<b>Separator</b>	Stainless steel in staggered position
<b>Frame material</b>	Stainless steel with 2 vertical support bars
<b>Sealant</b>	Elastic glass fibre
<b>Gasket</b>	Glass fibre
<b>Max. Operating Temperature</b>	$350 \text{ }^\circ\text{C}$ ( $400 \text{ }^\circ\text{C}$ 1h peak)
<b>Recom. final pressure drop</b>	Subject to optimization of lifecycle costs, max $450 \text{ Pa}$
<b>Recom. airflow range</b>	$75\% - 125\%$ (of nominal airflow)
<b>Moisture resistance</b>	$100\%$ relative humidity

### Airflow versus operating resistance



610x610x290 mm / 610x610x150 mm / 610x610x84 mm

### Dust holding capacity versus operating resistance



610x610x290 mm / 610x610x150 mm / 610x610x84 mm



Bringing clean air to life.™

# ATMCU Filter

## Product information

Filter name	Dimensions (mm)			Efficiency (%) at 0,3 µm	Nominal airflow		Filter medium surface (m <sup>2</sup> )	Initial resistance (Pa)
	W	H	D		m <sup>3</sup> /h	m <sup>3</sup> /s		
ATMCU	305	610	84	≥ 99,99	390	0,11	3,6	≤ 250
ATMCU	457	457	84	≥ 99,99	450	0,13	4,1	≤ 250
ATMCU	457	610	84	≥ 99,99	630	0,18	5,5	≤ 250
ATMCU	610	610	84	≥ 99,99	780	0,24	7,5	≤ 250
ATMCU	762	610	84	≥ 99,99	1080	0,30	9,5	≤ 250
ATMCU	915	610	84	≥ 99,99	1320	0,37	11,5	≤ 250
ATMCU	305	610	150	≥ 99,99	660	0,18	7,3	≤ 250
ATMCU	457	457	150	≥ 99,99	750	0,21	8,3	≤ 250
ATMCU	457	610	150	≥ 99,99	1050	0,29	11,3	≤ 250
ATMCU	610	610	150	≥ 99,99	1440	0,40	15,3	≤ 250
ATMCU	762	610	150	≥ 99,99	1830	0,51	19,4	≤ 250
ATMCU	915	610	150	≥ 99,99	2190	0,61	23,4	≤ 250
ATMCU	305	610	290	≥ 99,99	990	0,28	13,0	≤ 250
ATMCU	457	457	290	≥ 99,99	1140	0,32	14,8	≤ 250
ATMCU	457	610	290	≥ 99,99	1530	0,43	20,2	≤ 250
ATMCU	610	610	290	≥ 99,99	2100	0,58	27,4	≤ 250
ATMCU	762	610	290	≥ 99,99	2640	0,73	34,6	≤ 250
ATMCU	915	610	290	≥ 99,99	3180	0,88	41,9	≤ 250

Other sizes available on request. Tests are performed under ambient conditions (20 °C). Recommended final resistance is subject to optimisation of lifecycle costs, be it maximum 500 Pa. Filters can be operated at 50% - 100% of the nominal airflow. Maximum operating temperature is 350 (continuous) - 400 °C (1h peak).



Bringing clean air to life:

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