

# ATMCU<sup>®</sup>

## HEAT-RESISTANT HEPA FILTERS



### Performance Data

- Efficiency: 99.99% on 0.3um
- Continuous operation up to 350°C, Max. 400°C (1 hour)
- Ramp speed: up to 10°C/min
- Max. air velocity 1.8m/s (Depth 292mm)
- Factory tempering available (Contact AAF for info)

### Applications

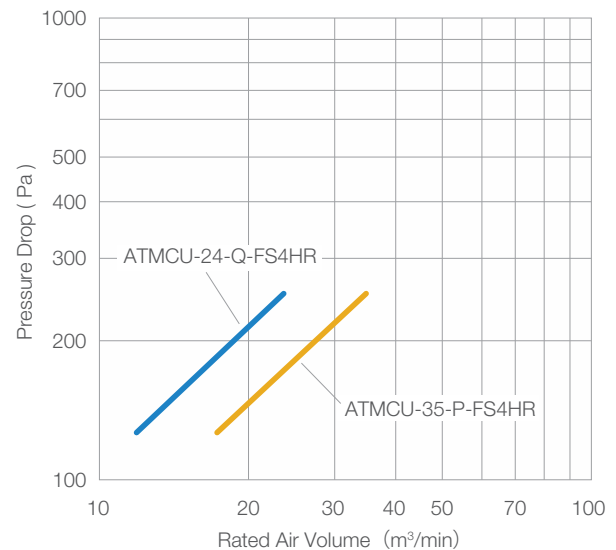
The ATMCU high temperature HEPA filter from AAF is designed to provide excellent protection of high temperature processes in ultra clean environments that can be found in applications such as:

- Pharmaceutical: dry heat sterilization and depyrogenation
- Electronics: clean oven for LCD and TFT manufacturing
- Food and Beverage: drying facilities
- Chemical: cleaning and drying for laboratory research

### Ramp Speed

At 10°C/min, the AMTCU can be brought to design operating temperature. This can decrease the thermal cycle time required resulting in greater production efficiency.

### Flow Rate vs. Pressure Drop Resistance



### Materials of Construction

Frame	Media	Separator	Sealant	Gasket
Stainless steel	Micro fiberglass	Stainless steel	Glass fiber	Glass paper

### Operating Temperature

Max. Continuous Operating Temp	Max. Temperature (1 hour)
350°C (662°F)	400°C (752°F)

### Performance

Recommended Final Pressure Drop	Recommended Airflow Range
500 (Pa)	35 m³/min (CMM) for the dimension 610x610x292 mm 24 m³/min (CMM) for the dimension 610x610x150 mm

### Manufacturable Dimensions

Depth (D)	Height (H)	Width (W)
292 mm	305 - 610 mm	305 - 762 mm
150 mm	305 - 610 mm	305 - 762 mm

# ATMCU® Heat Resistant HEPA Filters

## Model Code

# ATMCU - - - FS4HR

Depth size P: 292 mm    Q: 150 mm

Air volume: Refer to table below for Standard specification  
(Customized size will be "Z")

## Technical Data

Filter Name	Dimensions (mm) W x H x D	Approx. Net Weight (kg)	Initial dp (Pa)	Final dp (Pa)	Air Volume m³/min	Efficiency (%) on 0.3µm
ATMCU-Z-Q-FS4HR	305 x 305 x 150	5.5	250	500	5	99.99
ATMCU-Z-Q-FS4HR	305 x 610 x 150	8.5	250	500	11	99.99
ATMCU-Z-Q-FS4HR	457 x 457 x 150	10	250	500	12.5	99.99
ATMCU-Z-Q-FS4HR	610 x 457 x 150	12	250	500	17.5	99.99
ATMCU-Z-Q-FS4HR	457 x 610 x 150	12	250	500	17.5	99.99
ATMCU-Z-Q-FS4HR	564 x 560 x 150	12.5	250	500	20	99.99
ATMCU-24-Q-FS4HR	610 x 610 x 150	13	250	500	24	99.99
ATMCU-Z-Q-FS4HR	762 x 457 x 150	14	250	500	22.5	99.99
ATMCU-Z-Q-FS4HR	762 x 610 x 150	15	250	500	30.5	99.99
ATMCU-Z-P-FS4HR	305 x 305 x 292	10	250	500	7.5	99.99
ATMCU-Z-P-FS4HR	305 x 610 x 292	15	250	500	16	99.99
ATMCU-Z-P-FS4HR	457 x 457 x 292	16	250	500	18.5	99.99
ATMCU-Z-P-FS4HR	610 x 457 x 292	21	250	500	25.5	99.99
ATMCU-Z-P-FS4HR	457 x 610 x 292	21	250	500	25.5	99.99
ATMCU-Z-P-FS4HR	762 x 305 x 292	17.5	250	500	20.5	99.99
ATMCU-Z-P-FS4HR	564 x 560 x 292	20	250	500	29	99.99
ATMCU-35-P-FS4HR	610 x 610 x 292	22	250	500	35	99.99
ATMCU-Z-P-FS4HR	762 x 457 x 292	28	250	500	32.5	99.99
ATMCU-Z-P-FS4HR	762 x 610 x 292	32	250	500	44	99.99

ATMCU is manufactured by Nippon Muki Co., LTD. Nippon Muki and AAF are members of Daikin group.  
For information regarding ATMCU in the USA contact AAF.



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AAF has a policy of continuous product research and improvement. We reserve the right to change design and specifications without notice.

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