



U Type Incinerable Absolute Filter For Nuclear Facilities Separator Type / HEPA Filter

U SERIES ABSOLUTE FILTER

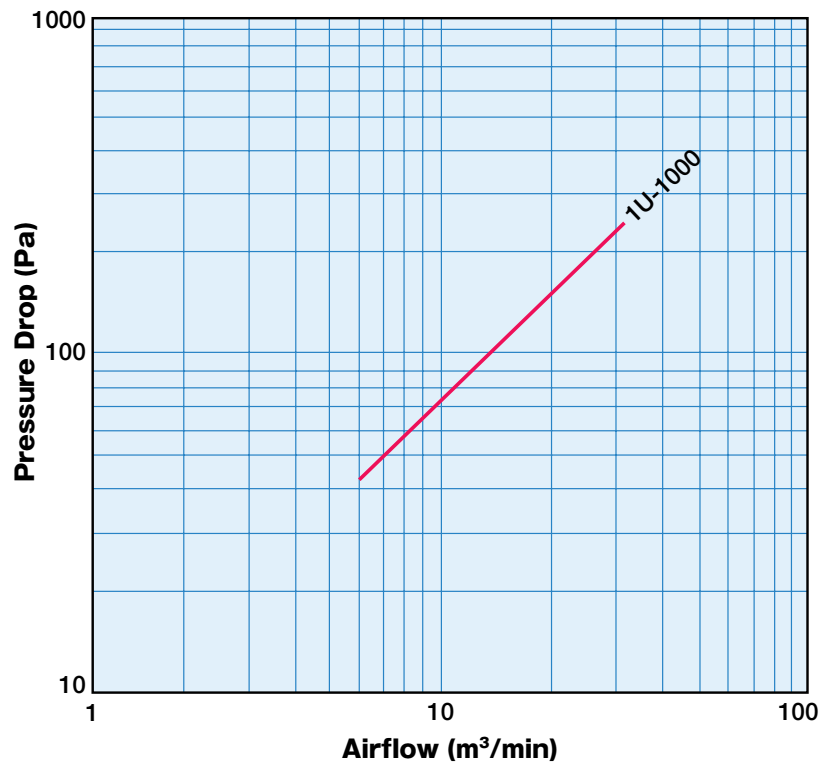
Model	1U-1000
Test Criteria	0.3 μm
Efficiency	99.97%+

- Developed to meet the needs of nuclear facilities
- Designed to reduce radioactive waste volume
- Reduces waste disposal and storage costs

Features

- High Volume and Weight Reduction
Volume after Incineration: 1/90
Weight after Incineration: 1/25

Pressure Drop (Initial)



Model Designators

1 U-1000

Combustion-Reducible
Filter Designator

Absolute Filter
Designator

Standard Specifications

Model	Rated Airflow Volume (m ³ /min)	Pressure Drop (Pa)		External Dimensions (mm)			Efficiency (%)	Weight (kg)
		Initial Max	Final	Height	Width	Depth		
1U-1000	32	249	498	610	610	292	99.97+	14

Incineration

Test Items		Results
Component Material Ignition Points (°C)		415-525
Calorific Value (kcal/kg)		3,150-7,825
Required Combustion Temperature (°C)		700
Particulate Volume (mg/Nm ³)		510
Exhaust Composition	HCl (ppm)	2 or less
	SOx (ppm)	10 or less
	NOx (ppm)	62
	CO (ppm)	52

Component Materials / Usage Specifications

Model		1U-1000
Component Materials	Media	Reconstituted Fiber
	Separator	Polyarylate
	Frame	Fire Resistant Plywood
	Frame Finish	—
	Sealant	Epoxy Resin
	Gasket	Chloroprene
Usage Specifications	Max. Continuous Operation Temperature (°C)	121
	Max. Peak Humidity (%RH at 0 Condensation)	100