

ULTRAwal[®] HJS Separator HEPA Filter can theoretically remove at least 99.97% of dust, pollen, mold, bacteria and any airborne particles with a size of 0.3 micrometers. In some cases, they can even remove or reduce viral contamination. The diameter specification of 0.3 responds to the most penetrating particle size (MPPS). Particles that are smaller or larger are trapped with even higher efficiency.

Uses microfiber glass media, providing efficiency to published performance values and is resistant to moisture in high humidity environments.

Typical **applications** include medical facilities, pharmaceutical manufacturing, electronics component manufacturing, food and dairy processing facilities, hospitals, nuclear, laboratories, aerospace, optics and many other locations where ultra-clean air is a requirement.

Advantages:

- Filter efficiencies of 99.97% up to 99.993% @ 0.3 μm ;
- Tested for leak proof;
- High dust holding capacity;
- Standard Capacity and High Capacity available;
- Each filter includes a label noting tested efficiency, pressure drop, rated airflow;
- A one-piece endless gasket to ensure a leak-free filter-to-holding mechanism seal;

Parameters & Material:

- Frame: Extruded Aluminium / Galvanized Steel / MDF
- Media: Wet laid microfibre glass paper
- Separator: Aluminium foil or Kraft Paper
- Sealant: Polyurethane
- Gasket: Continuous foamed seal / Urethane
- **Frame Type: Box, Single-header and Double-header**
- Max. Constant Temperature: 80°C (170°F)
- Recommended Final Resistance: 500Pa (2.0" W.G)
- Flammability: UL Classified
- Relative Humidity: 100%



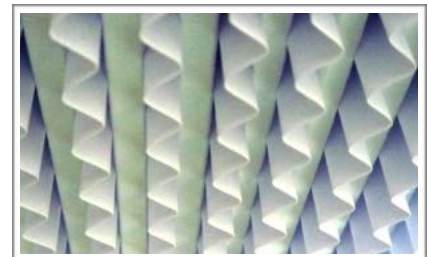
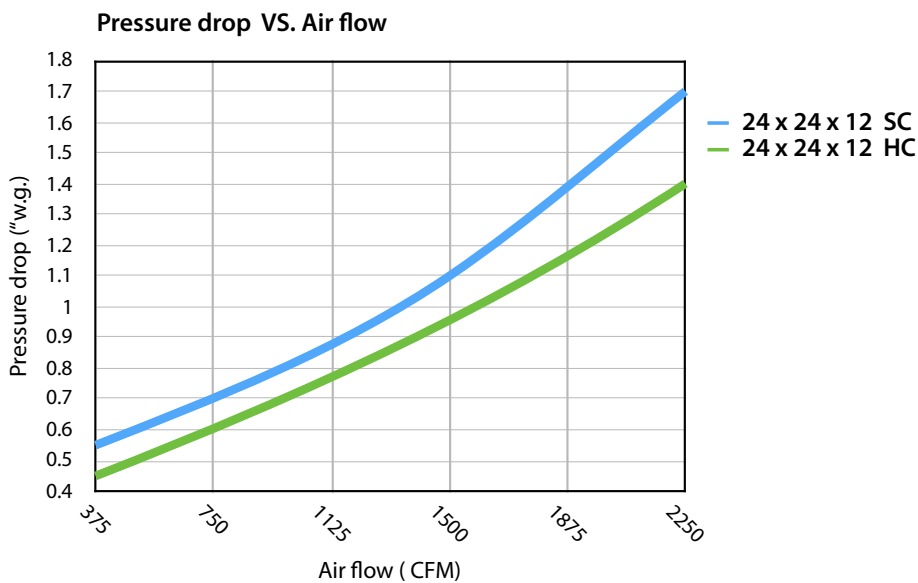
DIMENSION AND PERFORMANCE DATA

99.97% EFFICIENCY

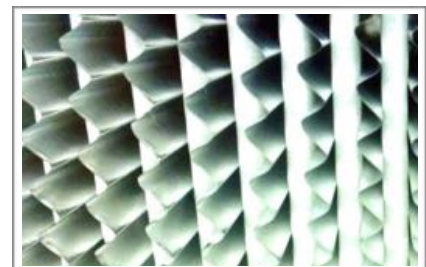
PART NUMBER	ACTUAL FILTER DIMENSIONS (H X W X D)		RATED AIR FLOW		PRESSURE DROP (Max.Initial)		WEIGHT EACH		
	(inch)	(mm)	(cfm)	(m3/h)	("w.g.)	(pa)	(lbs)	(kgs)	
(STANDARD CAPACITY)									
HJS-99021	24 x 12 x 11 1/2	610 x 305 x 292	588	1000	0.88	220	13	6	
HJS-99022	24 x 24 x 11 1/2	610 x 610 x 292	1176	2000	0.88	220	23	10.5	
(HIGH CAPACITY)									
HJS-99001	24 x 12 x 11 1/2	610 x 305 x 292	930	1600	1.4	350	14	6.5	
HJS-99002	24 x 24 x 11 1/2	610 x 610 x 292	2000	3400	1.4	350	25	11.5	
(STANDARD CAPACITY)									
HJS-99061	12 x 24 x 5 7/8	305 x 610 x 150	290	500	0.88	220	6.5	3	
HJS-99062	18 x 24 x 5 7/8	457 x 610 x 150	440	750	0.88	220	8.8	4	
HJS-99063	20 x 24 x 5 7/8	508 x 610 x 150	470	800	0.88	220	10	4.5	
HJS-99064	24 x 24 x 5 7/8	610 x 610 x 150	588	1000	0.88	220	11	5	
HJS-99065	30 x 24 x 5 7/8	762 x 610 x 150	700	1200	0.88	220	13	6	
HJS-99066	36 x 24 x 5 7/8	915 x 610 x 150	880	1500	0.88	220	17.5	8	
HJS-99067	48 x 24 x 5 7/8	1220 x 610 x 150	1176	2000	0.88	220	24	11	

* Pressure drop : ±15%

PERFORMANCE DIAGRAM



▲ Kraft Paper Separator(Economical)



▲ Aluminum Separator.(Edge-return treatment to reduce damage to media.)

*

GREATwal® FJS filter was designed primarily to remove airborne contaminants in hospital critical areas and food and pharmaceutical processing plants. It has been engineered to meet the exact requirements of precision manufacturing operations and laboratories where very high efficiency filtration of fine particulate matter is necessary.

Efficiency available with three efficiencies MERV 14 (90-95%), MERV 13(80-85%), and MERV 11(60-65%).

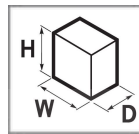
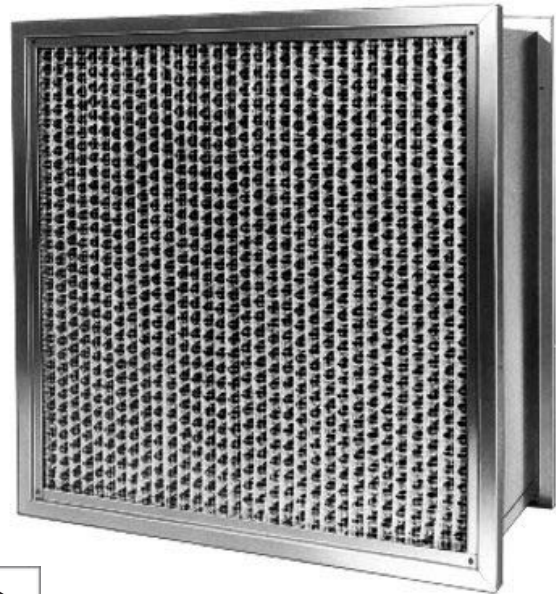
Frame type available with Single header (Type SH) and double header (Type DH), no header (Type NH) and High Temperature (Type HT).

Includes uniformly spaced pleats separated by thermoplastic resin separators to ensure pleat stabilization and uniform airflow throughout the filter pack.

GREATwal filters can be ordered with face guard made of expanded galvanized on one or both sides of the filter.

1" Single Header, designed for other manufacturer equipment, are also available.

We suggest to use Prefilter to extend the lifespan of GREATwal filters.

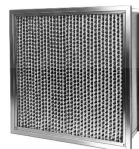


Parameters & Material:

- Frame: Galvanized Steel /Aluminized Steel
- Media: Wet laid microfine glass paper
- Separator: Aluminium foil or Kraft Paper
- Sealant: A layer of high efficiency media
- Gasket: Continuous foamed seal /Urethane
- Frame Type: DH, SH, NH
- Max.Constant Temperature: 80°C (170°F)
- Recommended Final Resistance: 375Pa (1.5"W.G)
- Flammability: UL Classified
- Relative Humidity: 100%



Type SH Single Header Type has a 13/16" flanged header on air entering side allows the filter to be easily inserted and latched into front and side access system.



Type DH Double Header Type has two 13/16" flanged headers make the filter compatible with the holding frame and latching devices of various manufacturers, including rear access systems.



Type NH No Header Type filters are designed for special sizes and applications, including incineration and compaction disposal systems.



Type HT High Temperature Series filters are designed for system operating up to 350°C. Constructed of galvanized steel, aluminized steel, stainless steel and high temperature glass wrap Sealant-A layer of high efficiency media seals the media pack into the cell sides.

DIMENSION AND PERFORMANCE DATA

PART NUMBER	ACTUAL FILTER DIMENSIONS (H X W X D)		RATED AIR FLOW		PRESSURE DROP (Max. Initial)		WEIGHT EACH	
	(Inch)	(mm)	(cfm)	(m3/h)	("w.g.)	(pa)	(lbs)	(kgs)
90-95% EFFICIENCY								
FJS-95009	23 3/8 x 23 3/8 x 11 1/2	594 x 594 x 292	2000	3400	0.95	230	18	8.5
FJS-95008	23 3/8 x 23 3/8 x 11 1/2	594 x 294 x 292	1000	1700	0.95	230	10	5
FJS-95007	23 3/8 x 23 3/8 x 5 7/8	594 x 594 x 150	1000	1700	0.65	160	11	5.5
FJS-95006	23 3/8 x 23 3/8 x 5 7/8	594 x 294 x 150	500	750	0.65	160	8	3.5
80-85% EFFICIENCY								
FJS-85009	23 3/8 x 23 3/8 x 11 1/2	594 x 594 x 292	2000	3400	0.9	220	18	8.5
FJS-85008	23 3/8 x 23 3/8 x 11 1/2	594 x 294 x 292	1000	1700	0.9	220	10	5
FJS-85007	23 3/8 x 23 3/8 x 5 7/8	594 x 594 x 150	1000	1700	0.6	150	11	5.5
FJS-85006	23 3/8 x 23 3/8 x 5 7/8	594 x 294 x 150	500	750	0.6	150	8	3.5
60-65% EFFICIENCY								
FJS-65009	23 3/8 x 23 3/8 x 11 1/2	594 x 594 x 292	2000	3400	0.75	180	18	8.5
FJS-65008	23 3/8 x 23 3/8 x 11 1/2	594 x 294 x 292	1000	1700	0.75	180	10	5
FJS-65007	23 3/8 x 23 3/8 x 5 7/8	594 x 594 x 150	1000	1700	0.45	110	11	5.5
FJS-65006	23 3/8 x 23 3/8 x 5 7/8	594 x 294 x 150	500	750	0.45	110	8	3.5

- Air flow tested at 500 FPM/2.54 m/s (12" depth) and 250 FPM/ 1.27m/s (6" depth)

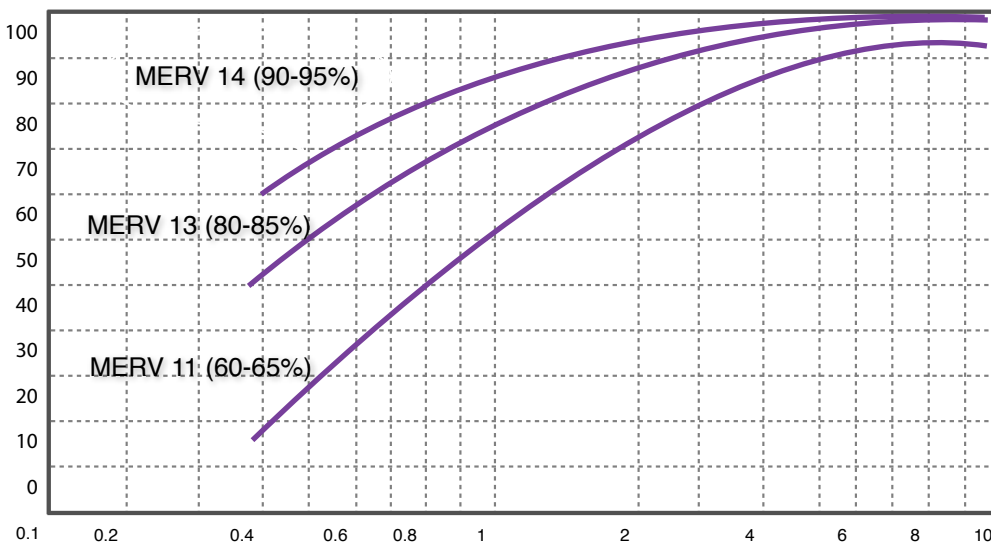
- The recommend final pressure drop for all models is 1.5 inches w.g.

- Average efficiency is based on ASHRAE Standard 52.1 test methods. Performance values stated may be average typical of the products list.

- Contact factory for actual performance test reports on specific products.

- Pressure drop: $\pm 15\%$.

EFFICIENCY BY PARTICLE SIZE





HT-250

Parameters & Material of HT-250:

- Frame: Galvanized Steel /Aluminized Steel/Stainless steel
- Media: Glass fibre
- Separator: Aluminium foil
- Sealant: HT silicon
- Gasket: HT foam or HT rope.
- Frame Type: DH, SH, NH
- Max.Constant Temperature: 250°C (500°F)
- Recommended Final Resistance: 500Pa (2.0" W.G)
- Flammability: UL Classified
- Relative Humidity: 100%



HiTempex® HT filter are designed for high temperature application up to 350. They feature the same rugged construction as the Gas Turbine HiTempex. The HT version is manufactured of specially selected components to meet high temperature requirements.

They are ideal for paint drying ovens or any application requiring high efficiency filtration at high temperatures. HiTempex HT filters are offered in two high temperature operating ranges: 250°C and 350°C and efficiency ranges of 95%, 99%, 99.97% and 99.995% as per BS EN 1822:2009.

Construction

The enclosing frame is manufactured of stainless steel or galvanized steel or aluminized steel, which is designed to eliminate spalling of corrosion inhibitors at elevated temperatures.

The media pack is stabilized by a media pack retaining bar and captured by face guard upstream and downstream.

Frame type available with No header, Single header on air entering side and Double header.

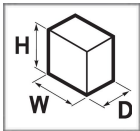
Faceguard and cross bracing is made on order.



HT Rope

Expanded Mesh

Faceguard



HT-350

Parameters & Material of HT-350:

- Frame: Stainless steel
- Media: Glass fibre
- Separator: Aluminium foil
- Sealant: Ceramic or glass fiber wrap
- Gasket: PTFE(White)
- Frame Type: DH, SH, NH
- Max.Constant Temperature: 350°C (660°F)
- Temperature in second: 400°C (750°F)
- Recommended Final Resistance: 500Pa (2.0" W.G)
- Flammability: UL Classified
- Relative Humidity: 100%

Filter packed in plastic film. Due to the different thermal expansion coefficients of the individual filter components the ceramic potting may form cracks during the tempering process. At operating temperature (350°C) these filters have an overall efficiency of 99.97% at 0.3 microns, leakage are possible.

DIMENSIONS AND PERFORMANCE DATA

PART NUMBER	ACTUAL FILTER DIMENSION (W X H X D)		RATED AIR FLOW		PRESSURE DROP (Max.Initial)		WEIGHT EACH	
	(inch)	(mm)	(cfm)	(m3/hr)	(".w.g.)	(pa)	(lbs)	(kgs)
99.97% EFFICIENCY								
HT-25012	12 x 24 x 5 7/8	305 x 610 x 150	350	600	1.0	250	9	4
HT-25018	18 x 24 x 5 7/8	457 x 610 x 150	529	900	1.0	250	11	5
HT-25024	24 x 24 x 5 7/8	610 x 610 x 150	700	1200	1.0	250	14	6.5
HT-25040	30 x 24 x 5 7/8	762 x 610 x 150	880	1500	1.0	250	16.5	7.5
HT-25036	36 x 24 x 5 7/8	915 x 610 x 150	1050	1800	1.0	250	19	8.5
HT-25048	48 x 24 x 5 7/8	1220 x 610 x 150	1500	2500	1.0	250	26	12
HT-29518	18 x 24 x 11 1/2	457 x 610 x 292	880	1500	1.0	250	22	10
HT-29524	24 x 24 x 11 1/2	610 x 610 x 292	1200	2050	1.0	250	25	11.5
HT-29530	30 x 24 x 11 1/2	762 x 610 x 292	1500	2500	1.0	250	31	14

- Pressure drop: ±15%.