

SHINKO V-CELL RBF

HIGH EFFICIENCY MINI-PLEAT RIGID BOX FILTER



- Alternative to Bag Filters & Traditional Box Type high efficiency filters
- Very large surface area
- Low initial pressure drop
- UL Certified media
- Ideal for HVAC & Gas turbine application
- Suitable for Clean Room, Hospitals, pharma companies application

FILTER CONSTRUCTION & FEATURES

SHINKO V-CELL RBF, the high efficiency Mini-Pleat Rigid Box Bag filters made up of micro-fine glass fiber media are available in a wide range of efficiencies from F6 to F9(65% to 95%+).SHINKO V-CELL RBF are designed to use in HVAC installations where highest degree of air cleanliness is required. The compact design, larger surface area and low initial resistance made it an Ideal alternative to ordinary Bag filters & Box type filters of the similar efficiencies. SHINKO V-CELL RBF model filters are available with high burst resistance, low pressure drop and high dust holding capacity for extreme operating conditions like Gas turbine air intake fine filtration etc.

SHINKO V-CELL RBF

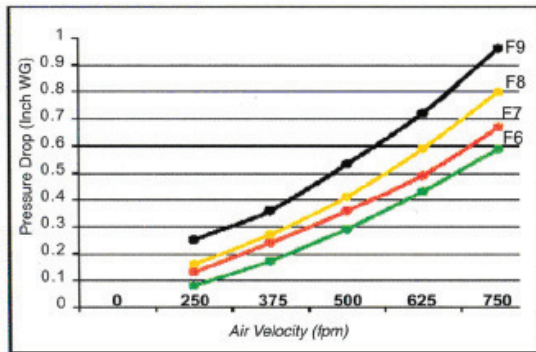
TECHNICAL DETAILS

SHINKO V-CELL RBF filters are made up of water resistant micro-fine glass fiber filter media, closely pleated and separated by continuous thermo-plastic bead separators. This design accommodates a very large quantity of filter media which offers a longer service life and low pressure drop. The Mini-Pleated media packs are arranged in a perfect V design and sealed to the enclosing frame.

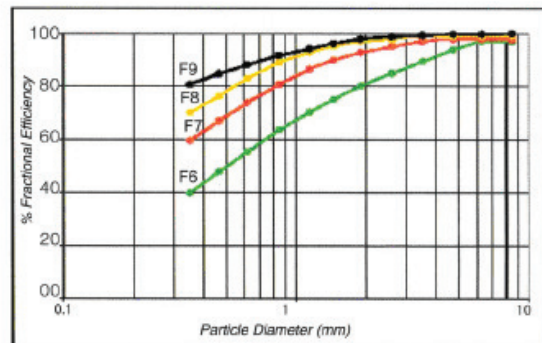
The RBF model filters utilizes a special grade media offering high dust holding capacity and the mini-pleat packs are provided with an additional expanded mesh support. These filters offer very high burst pressure and are ideal for extreme operating conditions like Gas turbine air intake applications.



Particle Efficiency Vs Particle Efficiency



Air Flow Vs Resistance



SHINKO V-CELL RBF

SELECTION CHART

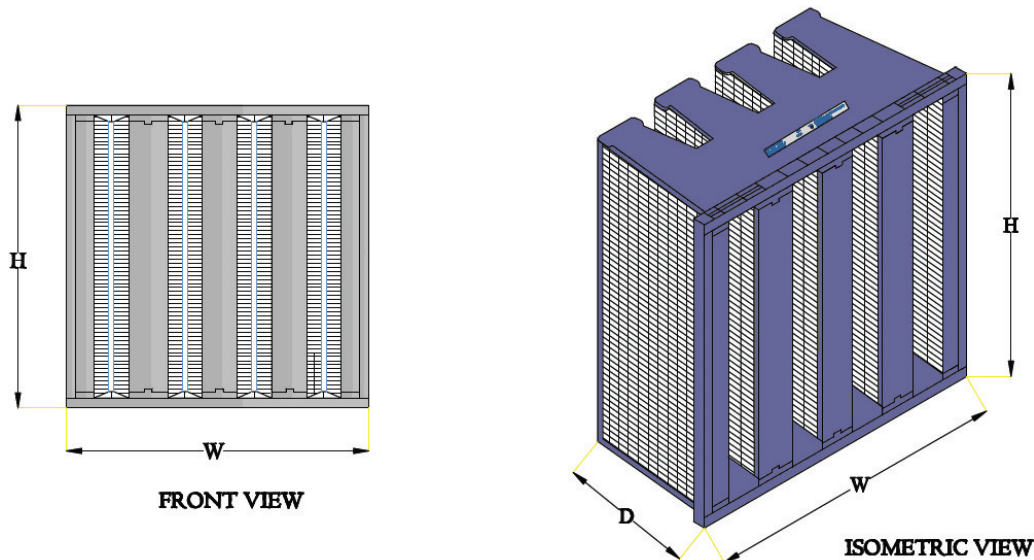
	Efficiency				Rated airflow CFM		Initial resistance		Final
ASHRAE	ASHRAE	EN779	Model	Size (Nominal)	Vel. @ 500 fpm	Vel. @ 750 fpm	(Inches WG)		Resistance
52.2	Dust spot			mm	med	high	med	high	In WG
MERV 14	95%	F9	SRBFF9-44	610x610x305	2000	3000	0.51	0.75	2
MERV 14	95%	F9	SRBFF9-40	610x508x305	1650	2500	0.51	0.75	2
MERV 14	95%	F9	SRBFF9-42	610x305x305	1000	1500	0.51	0.75	2
MERV 13	85%	F7	SRBFF7-44	610x610x305	2000	3000	0.40	0.60	2
MERV 13	85%	F7	SRBFF7-40	610x508x305	1650	2500	0.40	0.60	2
MERV 13	85%	F7	SRBFF7-42	610x305x305	1000	1500	0.40	0.60	2
MERV 11	65%	F6	SRBFF6-44	610x610x305	2000	3000	0.37	0.55	2
MERV 11	65%	F6	SRBFF6-40	610x508x305	1650	2500	0.37	0.55	2
MERV 11	65%	F6	SRBFF6-42	610x305x305	1000	1500	0.37	0.55	2

- Recommended final resistance 2" WG
- Maximum operating temperature - 80° C
- Maximum Relative Humidity -100%.

Note: The photos shown are only for illustration purpose. The actual product may vary. Please contact the technical/sales department for more information. As a part of continuous Improvement, Shinko Aircon reserves the right to make technical modifications without prior notice-. All non standard sizes are available upon request. Please contact us for details.- info@shinkoaircon.com



Size Selection



- The Low Pressure Drop, Strength and Durability of the V-CELL makes it an excellent final filter for use in rotating machinery.
- Excellent Filter for All Types of Inlet Housings, the V-CELL is constructed to withstand turbulence and high air velocities.
- 100% Glass Fiber Media, Thermally Bonded Media is impervious to degradation in environments with high moisture content.
- Progressively Structured Synthetic Media for depth loading of particulate provides a low pressure drop at high efficiency levels for increased gas turbine performance and output.
- V-Shaped Filter Design to maximize media area and filter life for optimal performance.
- Pleated Media is Sealed in polyurethane around the perimeter of the filter, ensuring a leak-free design, eliminating particle by-pass.
- All-Plastic Frame is Corrosion Proof in the harshest of operating conditions and permits incineration after use.
- High Strength Glass fiber Media and polyurethane potting combine to give the filter a burst strength greater than 25" WG.
- The Media Pleat Pack is extremely durable and resistant to deformation and media puncture during handling, installation and operation
- The Glass Fiber Pleated Media is Sealed in polyurethane around the perimeter of the filter, ensuring a leak-free design, eliminating particle by-pass.
- All-Plastic Frame is Corrosion Proof in the harshest of operating conditions and permits incineration after use.
- High Strength Synthetic Media and polyurethane potting combine to give the filter a burst strength greater than 25" WG.
- Glass Fiber Media Pleat Pack is extremely durable and resistant to deformation and media puncture during handling, installation and operation.

