

Tri-Sorb™ R M15

MERV15 Molecular Filtration

FEATURES

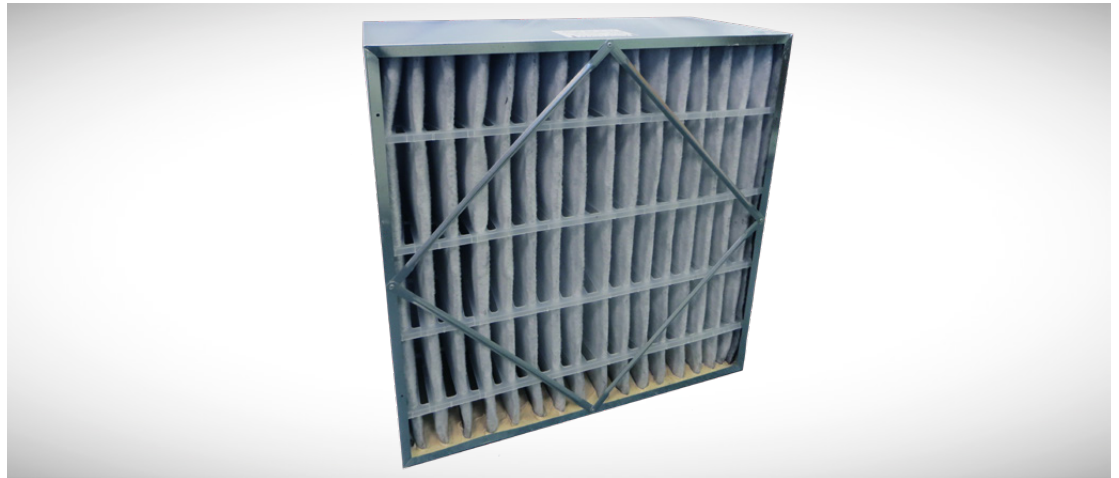
- Easy retrofit
- Low static pressure
- MERV 15 efficiency
- Molecular filtration
- Granular activated carbon
- Available with single and no header frame
- Long service life
- 6 lbs carbon in 24 x 24 x 12 filter

APPLICATIONS

- Commercial
- Health care
- Industrial plants
- Laboratories
- Institutional
- Governmental
- Microelectronic
- IAQ problems

ODORS CONTROLLED

- Loading docks
- Smoking
- Heliports
- Body odors
- Diesel fumes
- Cooking odors
- Bathroom odors



EXTENDED SURFACE MOLECULAR MERV 15 BOX FILTER

The Tri-Sorb R M15 filter is a molecular filter that offers MERV 15 particulate efficiency - all with low resistance and easy retrofit into current HVAC systems.

The Tri-Sorb R M15 is offered in a variety of frame styles - single header and no header box style - this broad offering of frame styles allows for easy and convenient retrofit into most all housing/holding frame configurations. The no header version will work in applications using a double header filter.

The Tri-Sorb R M15 offers 6 pounds of carbon (2.7 kg) in a 24 x 24 x 12 (610 x 610 x 305 mm) no header filter. This allows for high 'first pass' efficiency on a broad spectrum of airborne molecular contamination (AMC).

In addition to the pounds of carbon the Tri-Sorb R M15 offers MERV 15 efficiency per ASHRAE 52.2. MERV 15 efficiency by definition offers a minimum removal efficiency of greater than 85% of particles from 0.3 to 1 micron size range.

The Tri-Sorb R M15 offers 6 pounds of carbon, and high efficiency with a MERV 15 per ASHRAE 52.2 - it provides all of this with a low pressure drop of only 0.32" WG (80 pa) at 2000 CFM (for a 24 x 24 x 12 filter).

Tri-Sorb™ R M15

Technical Data

NO HEADER VERSION

Nominal Size Inches (mm)	Exact Size Inches (mm)	Media Area Ft² (m²)	MERV per ASHRAE 52.2	CFM m³/sec	Initial Resistance	Carbon Weight	Final Resistance
24 x 24 x 12 (610 x 610 x 305)	23 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 11 $\frac{1}{4}$ (594 x 594 x 286)	58.08 (5.40)	15	2000 (0.94)	0.32" W.G. (80 PA)	6.0 lbs. (2.73 kg)	1.5" WG (373 PA)
12 x 24 x 12 (305 x 610 x 305)	11 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 11 $\frac{1}{4}$ (289 x 594 x 286)	28.70 (2.67)	15	1000 (0.47)	0.32" W.G. (80 PA)	3.0 lbs. (1.35 kg)	1.5" WG (373 PA)
20 x 20 x 12 (508 x 508 x 305)	19 $\frac{3}{8}$ x 19 $\frac{3}{8}$ x 11 $\frac{1}{4}$ (492 x 492 x 286)	39.88 (3.70)	15	1390 (0.65)	0.32" W.G. (80 PA)	4.1 lbs. (1.87 kg)	1.5" WG (373 PA)
20 x 24 x 12 (508 x 610 x 305)	19 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 11 $\frac{1}{4}$ (492 x 594 x 286)	47.83 (4.44)	15	1670 (0.78)	0.32" W.G. (80 PA)	5.0 lbs. (2.25 kg)	1.5" WG (373 PA)

SINGLE HEADER VERSION

Nominal Size Inches (mm)	Exact Size Inches (mm)	Media Area Ft² (m²)	MERV per ASHRAE 52.2	CFM m³/sec	Initial Resistance	Carbon Weight	Final Resistance
24 x 24 x 12 (610 x 610 x 305)	23 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 11 $\frac{1}{4}$ (594 x 594 x 286)	55.66 (5.17)	15	2000 (0.94)	0.39" W.G. (97 PA)	5.8 lbs. (2.62 kg)	1.5" WG (373 PA)
12 x 24 x 12 (305 x 610 x 305)	11 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 11 $\frac{1}{4}$ (289 x 594 x 286)	26.30 (2.44)	15	1000 (0.47)	0.39" W.G. (97 PA)	2.7 lbs. (1.24 kg)	1.5" WG (373 PA)
20 x 20 x 12 (508 x 508 x 305)	19 $\frac{3}{8}$ x 19 $\frac{3}{8}$ x 11 $\frac{1}{4}$ (492 x 492 x 286)	37.50 (3.48)	15	1390 (0.65)	0.39" W.G. (97 PA)	3.9 lbs. (1.76 kg)	1.5" WG (373 PA)
20 x 24 x 12 (508 x 610 x 305)	19 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 11 $\frac{1}{4}$ (492 x 594 x 286)	45.42 (4.22)	15	1670 (0.78)	0.39" W.G. (97 PA)	4.7 lbs. (2.13 kg)	1.5" WG (373 PA)

LOCAL REPRESENTATIVE

Tri-Dim Filter Corporation is committed to continual product development – all descriptions, specifications and performance data are subject to change without notice. Tri-Dim products are manufactured to exacting criteria – there can be a ±5% variance in filter performance.