DuraMAX™ 4vS-16

MERV 16, High Efficiency Synthetic Media Minipleat Filter

FEATURES

- **MERV 16 efficiency**
- Durable synthetic filter media
- Low resistance to airflow
- Extended filter life
- All plastic frame construction
- Incinerable

Low resistance to airflow and lower energy costs

DuraMAX 4vS-16 provides an unequaled combination of low pressure drop and high efficiency through the use of our unique minipleat design. The DuraMAX 4vS-16 contains 200 square feet of synthetic filter media in a standard 24x24x12" frame to help insure a low pressure drop, which in turn helps to lower energy costs to the user.

DuraMAX 4vS-16 is constructed with durable, dual-layer synthetic air filter media designed specifically for high efficiency air filtration applications. The rugged composition of the synthetic media makes the DuraMAX 4vS-16 an ideal choice for high velocity or high moisture systems, such as Gas Turbines Air Intakes.

DuraMAX 4vS-16 offers extended filter life

The high capacity minipleat design of the DuraMAX 4vS-16 insures high dust holding capacity and extended filter lifecycles. Fewer filter changes means reduced disposal costs and lower overall cost of ownership.

DuraMAX 4vS-16 engineered versatility

The DuraMAX 4vS-16 is designed to meet the wide range of requirements found in today's position of complex air filtration systems. The 4vS-16 is constructed with a durable all-plastic frame that can be completely incinerated. Standard DuraMAX 4vS-16 filters are UL rated and can be reverse-installed in applications with space limitations.

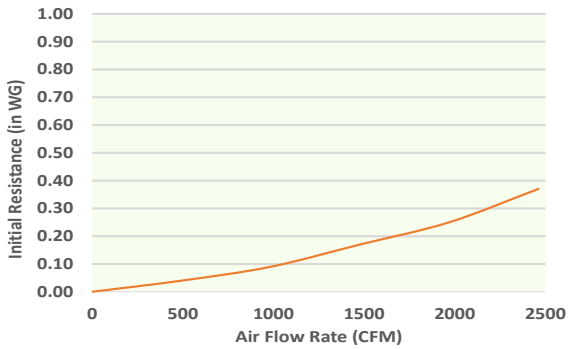
KOCH FILTER
PURE PERFORMANCE

DuraMAX™ 4vS-16 Technical Data

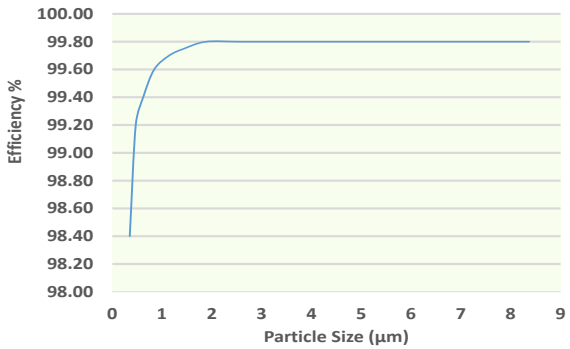
Nominal Size	Initial Pressure Drop @500 FPM (in. w.g.)	Recommended Final Pressure Drop	Media Area Sq. Ft.
24x24x12	.25	2.0	200
20x24x12	.25	2.0	164
20x20x12*	.25	2.0	136
12x24x12	.25	2.0	98

* Due to configuration space, the 20x20x12 is available as a 3v design.

Initial Resistance vs. Air Flow Rate



Efficiency by Particle Size



Engineering Specifications

1.0 General Specifications

1.1 Filters shall be DuraMAX 4vS MERV 16 extended surface pleated air filters as manufactured by Koch Filter.
1.2 Filters shall be available in nominal depth of 12 inches.
1.3 Filters are classified by Underwriters Laboratories to UL 900.
1.4 Filters are manufactured by an ISO 9001 registered company.

2.0 Filter Material and Construction

2.1 Media shall be 100% synthetic mechanical media.
2.2 Filters shall have a plastic frame.
2.3 The separator style used shall be gluebead.
2.4 Filter will have single header.
2.5 Filter frame shall be comprised of a high impact polystyrene designed to increase filter strength and rigidity. Frame shall be recyclable.

3.0 Filter Performance

3.1 Filters shall be MERV 16 i when tested in accordance with ASHRAE 52.2 Test Standard.
3.2 For initial resistance of filters, see Performance Data chart above.
3.3 Filters shall be rated to withstand a continuous operating temperature up to 180˚F.
3.4 Filters shall have a recommended final resistance of 2.0" w.g.

8401 Air Commerce Drive, Louisville KY 40219 | toll free: 800.757.5624 | phone: 502.634.4796 | Fax: 502.969.2364
info@kochfilter.com | www.kochfilter.com