DuraMAX™ 4v

High Capacity Entended Surface Minipleat Filter

Features

- **MERV 11-15 performance rating**
- **High efficiency microfiberglass or synthetic media**
- **Low pressure drop**
- **Reduced energy cost**
- **194 square feet of media (24x24x12)**
- **Incinerable**
- **Light-weight plastic, extremely rigid frame**
- **Superior dust holding capacity and prolonged filter life**

Maximum performance and prolonged filter life

The Koch Filter **DuraMAX 4v** is a rigid, extended surface air filter, engineered to provide maximum performance and prolonged filter lifecycles, even in the most difficult environments. The durable, rugged construction of the **DuraMAX 4v** make it the filter of choice in filtration systems with high velocities or variable air volumes. **DuraMAX 4v** is constructed with an all plastic frame so it is easily incinerated after use.

Low pressure drop reduces energy costs

DuraMAX 4v provides an unequaled combination of low pressure drop and high efficiency through the use of our unique minipleat design. This high capacity minipleat design allows a nominal 24 x 24 x 12 filter to incorporate 194 square feet of filter media. This increased extension of the media surface area insures low pressure drop,which results in lower energy costs to the user.

Extended filter life

Another benefit of the increased media area is extremely high Dust Holding Capacity, which significantly prolongs the service life of the filter. Fewer filter changes translate into substantially reduced maintenance and disposal costs.

Engineered versatility

In order to meet the wide range of requirements found in today's complex air filtration systems, DuraMAX filters are available in five ASHRAE efficiencies (65, 75, 85, 95, and 98%). The filter is offered in three standard sizes (24 x 24 x 12, 20 x 24 x 12, and 12 x 24 x 12). Single or double header configurations are available.

Microfiberglass media provides high efficiency and superior dust holding capacity for prolonged service life. DuraMAX 4v is also available with 100% Synthetic Filter Media. Please consult Bulletin No. PB-906B.
Thermoplastic glue-bead seperators ensure low pressure drop and aerodynamic airflow.
High Capacity minipleat design provides low resitance to airflow and reduced energy costs.
Specialized media sealant secures media to fram and eliminates air bypass.
Durable plastic frame components make the DuraMAX 4v lightweight, yet extremely rigid and easy to install. The all-plastic frame makes the DuraMAX 4v completely incinerable after use.

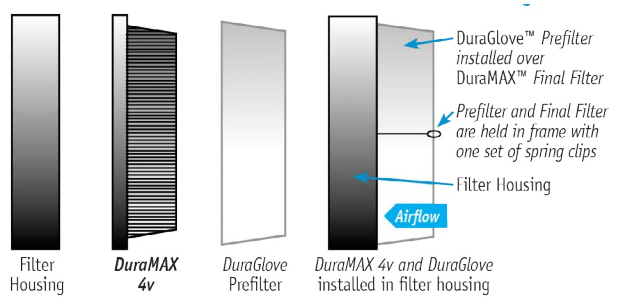
Nominal Size (HxWxD)	Actual Size (HxWxD)	Air Flow Capacity (CFM) @500 FPM	Initial Resistance (in. w.g.) @500 FPM	Media Area (sq. ft.)
DuraMAX 4v 98 - MERV 15				
24x24x12	23.38 x 23.38 x 11	2000	.61	194
20x24x12	19.38 x 23.38 x 11	1675	.61	162
12x24x12	11.38 x 23.38 x 11	1000	.61	98
DuraMAX 4v 95 - MERV 14				
24x24x12	23.38 x 23.38 x 11	2000	.51	194
20x24x12	19.38 x 23.38 x 11	1675	.51	162
12x24x12	11.38 x 23.38 x 11	1000	.51	98
DuraMAX 4v 85 - MERV 13				
24x24x12	23.38 x 23.38 x 11	2000	.40	194
20x24x12	19.38 x 23.38 x 11	1675	.40	162
12x24x12	11.38 x 23.38 x 11	1000	.40	98
DuraMAX 2v 75 - MERV 12				
24x24x12	23.38 x 23.38 x 11	2000	.41	194
20x24x12	19.38 x 23.38 x 11	1675	.41	162
12x24x12	11.38 x 23.38 x 11	1000	.41	98
DuraMAX 2v 65 - MERV 11				
24x24x12	23.38 x 23.38 x 11	2000	.38	194
20x24x12	19.38 x 23.38 x 11	1675	.38	162
12x24x12	11.38 x 23.38 x 11	1000	.38	98

Additional Product Information

1. Width and height dimensions are interchangeable. DuraMAX filters may be installed with the pleats in either vertical or horizontal position.
2. MERV is Minimum Efficiency Reporting Value. MERV Ratings listed are based on ASHRAE Test Standard 52.2-2007.
3. Temperature limitation: 200°F.
4. Recommended final pressure drop: 2.0”w.g.
5. Maximum Burst Pressure: 10”w.g.
6. Degradation Pressure: 15”w.g.
7. DuraMAX 4v filters are listed and tested in accordance with UL Standard 900.

Reverse-Mount Installations

DuraMAX Filters are generally installed with the flat face of the filter as the air-entry side and the “v ”side of the filter as the air exit side. However, for inlet air housings where space is at a premium, DuraMAX can also be installed with the “v” side as the air entry. A DuraGlove™ Synthetic Cube placed over the “v”section of the DuraMAX, creates a unitary, easy to install prefilter/final filter combination. The DuraGlove can be held in place with existing 12" spring clips.



KOCH FILTER®
PURE PERFORMANCE
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