DuraMAX 2v™

High Efficiency Minipleat Filter

Koch Green

The **DuraMAX 2v™** *is an extended surface air filter engineered to provide maximum performance and prolonged filter lifecycles in office buildings, hospitals, paint booths, gas turbine/power generation and all types of commercial and industrial HVAC applications.*

Low pressure drop reduces energy costs
DuraMAX 2v provides a superior 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 **DuraMAX 2 v** filter to incorporate 106 square feet of media. This extended surface design ensures low resistance to airflow and reduced energy costs to the user.

Upgrade from other high efficiency filters
The **DuraMAX 2v** is designed to replace almost any competitive high efficiency air filter on today's market. The lightweight all-plastic frame installs easily into side-access housings or front-load holding frames and is an ideal choice to replace bag filters and other box-style rigid filters.

Additional DuraMAX models
The DuraMAX is also available in the original **4v** design. **The DuraMAX 4v** offers all of the same performance benefits as the 2v model and contains 194 square feet of filter media in the 24 x 24 x 12 size for even lower pressure drop and longer filter life!

*See Bulletin K-996B for additional information on the **DuraMAX 4v**.

All-plastic frame is durable and incinerable
The durable, all-plastic frame makes the **DuraMAX 2v** the filter of choice in filtration systems with high velocities, variable air volumes, high moisture, or in areas where the user desires to incinerate the filters after use.

Features:
- **MERV 11-15 performance rating**
- **High efficiency mini pleat (65%, 75%, 85%, 55% and 98%)**
- **High efficiency microfiberglass or synthetic media**
- **Low pressure drop**
- **Reduces energy cost**
- **Light weight plastic, extremely rigid frame**
- **Superior dust holding and prolonged filter life**
- **UL Class 2 standard 900**
- **Incinerable**
- *** Additional model offered DuraMax 4v**

Minipleat design *provides low pressure drop and reduced energy costs.*

High efficiency microfiberglass filter media *provides high efficiency and superior dust holding capacity for prolonged service life.*

Thermoplastic glue-bead separators *ensure low pressure drop and aerodynamic airflow.*

Specialized media sealant *secures media to frame and eliminates air bypass.*

Durable plastic frame components *make the DuraMAX 2v lightweight, yet extremely rigid and easy to install. The all-plastic frame makes the DuraMAX 2v completely incinerable after use.*

Koch Filter Corporation...Durable. Reliable. Versatile.

Koch Filter Corporation
Filtration Products Crafted with Pride

DuraMAX 2v *Product Information*

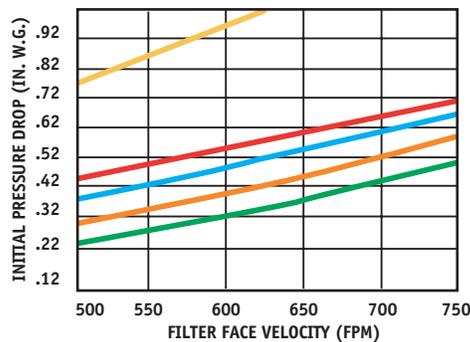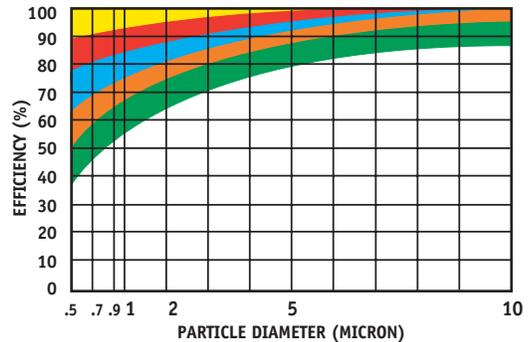| DuraMAX Series	ASHRAE Efficiency	Nominal Size (H x W x D)	Actual Size (H x W x D)	Rated Airflow Capacity (CFM)			Rated Initial Pressure Drop (in. w.g.)			Media Area (Sq.Ft.)
				STANDARD	MEDIUM	HIGH	STANDARD	MEDIUM	HIGH	
DuraMAX 2v 98 - MERV 15										
DM2V-981	98%	24 x 24 x 12"	23⅜ x 23⅜ x 11"	2000	2500	3000	.80	1.00	nr*	106
DM2V-982	98%	20 x 24 x 12	19⅜ x 23⅜ x 11	1675	2100	2500	.80	1.00	nr*	85
DM2V-983	98%	12 x 24 x 12	11⅜ x 23⅜ x 11	1000	1250	1500	.80	1.00	nr*	50
DuraMAX 2v 95 - MERV 14										
DM2V-901	95%	24 x 24 x 12	23⅜ x 23⅜ x 11	2000	2500	3000	.43	.56	.70	106
DM2V-902	95%	20 x 24 x 12	19⅜ x 23⅜ x 11	1675	2100	2500	.43	.56	.70	85
DM2V-903	95%	12 x 24 x 12	11⅜ x 23⅜ x 11	1000	1250	1500	.43	.56	.70	50
DuraMAX 2v 85 - MERV 13										
DM2V-801	85%	24 x 24 x 12	23⅜ x 23⅜ x 11	2000	2500	3000	.38	.50	.66	106
DM2V-802	85%	20 x 24 x 12	19⅜ x 23⅜ x 11	1675	2100	2500	.38	.50	.66	85
DM2V-803	85%	12 x 24 x 12	11⅜ x 23⅜ x 11	1000	1250	1500	.38	.50	.66	50
DuraMAX 2v 75 - MERV 12										
DM2V-701	75%	24 x 24 x 12	23⅜ x 23⅜ x 11	2000	2500	3000	.28	.42	.57	106
DM2V-702	75%	20 x 24 x 12	19⅜ x 23⅜ x 11	1675	2100	2500	.28	.42	.57	85
DM2V-703	75%	12 x 24 x 12	11⅜ x 23⅜ x 11	1000	1250	1500	.28	.42	.57	50
DuraMAX 2v 65 - MERV 11										
DM2V-601	65%	24 x 24 x 12	23⅜ x 23⅜ x 11	2000	2500	3000	.23	.31	.50	106
DM2V-602	65%	20 x 24 x 12	19⅜ x 23⅜ x 11	1675	2100	2500	.23	.31	.50	85
DM2V-603	65%	12 x 24 x 12	11⅜ x 23⅜ x 11	1000	1250	1500	.23	.31	.50	50

*nr–operation at this velocity is not recommended

Performance data is based on ASHRAE Test Standards 52.1-1999 and 52.2-2007.

Resistance vs. Airflow

DuraMAX 98 2v
DuraMAX 95 2v
DuraMAX 85 2v
DuraMAX 75 2v
DuraMAX 65 2v

INITIAL PRESSURE DROP (IN. W.G.)
.92 .82 .72 .62 .52 .42 .32 .22 .12
FILTER FACE VELOCITY (FPM)
500 550 600 650 700 750

Efficiency vs. Particle Size

EFFICIENCY (%)
100 90 80 70 60 50 40 30 20 10 0
PARTICLE DIAMETER (MICRON)
.5 .7 .9 1 2 5 10

Look for the Koch Green icon! *Whenever you see the Koch Green icon, we are identifying a product that meets or exceeds our criteria in one or more of the following categories:* ***Earns LEED Points, Reduces Energy Costs, Extends Filter Lifecycles, Conserves Resources, and Improves Indoor Environmental Quality.***

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