



**80% to 85% - MERV 13**

- MERV 13 (per ASHRAE 52.2)
- 100% high performance Tribo-Electric synthetic media
- Ultra low resistance to air flow
- Hydrophobic fibers, does not absorb moisture
- Designed to achieve points towards LEED certification
- Nominal thickness available in: 1", 2", 4", and 6"
- Over 100 standard sizes available
- Expanded metal media support
- Rated Class 2 under UL900 standard



### Features:

Accumulair Diamond pleated filters are also available utilizing our exclusive Tribo-Electric synthetic media. This exclusive Tribo-Electric media contains a proprietary blend of co-polymer micro-fibers that contain oppositely charged dielectric properties which are vertically needled into a high strength synthetic scrim, which yields an ultra high permeability which equals ultra low resistance to air flow. These filters are designed to obtain points toward certification in the Leadership in Energy and Environmental Design (LEEDS) Green Building rating system and can be used as a primary filter or as a pre-filter that will extend the life of more expensive, higher efficiency filters such as the Bag, Rigid, or Cell products. Available in various standard sizes and special face dimensions in 1", 2", 4", and 6" depths. The Accumulair Diamond pleated filter achieves 80-85% efficiency per ASHRAE standard 52.1 and a MERV 13 per ASHRAE standard 52.2.

### Construction:

Accumulair Diamond filters are constructed of Tribo-Electric media produced from 100% synthetic micro-fibers which resist efficiency degradation while in operation unlike conventional meltblown synthetic medias that can rapidly lose electrostatic properties. The media is laminated to a recyclable, galvanized, and corrosion resistant expanded metal backing with 98% open area. The laminated media is precisely pleated in a radial configuration to allow for optimum media usage, resistance to air flow and dust holding capacity. The pleated media pack is bonded to the inside of a two piece die cut frame to prevent contaminated air bypass. The die cut frame is constructed of heavy duty, moisture resistant clay coated board and is designed with diagonal and horizontal grid support members.

### Application:

Accumulair Diamond filters are the filter of choice for obtaining points towards LEED certification. The Accumulair Diamond filters are also used as a primary filter or as a pre-filter to more expensive, higher efficiency filters in industrial and commercial facilities such as: hospitals, manufacturing plants, schools, office buildings and government agencies. Accumulair Diamond filters can be installed in existing filter systems and typically do not require modifications.



**FILTERS-NOW.COM**  
INCORPORATED  
(877) 991-0400 Toll Free Phone

9800 I-65 Service Road North  
Creola, AL 36525

Phone: 877-991-0400  
Fax: 888-823-6475  
www.Filters-NOW.com

Part Number	Actual Size WxHxD (inches)	Rated Velocity (FPM)	Initial Resistance (in w.g.)	Media Area (Sq. Ft.)
<b>1" Performance Data</b>				
FD08X14A	8 x 14 x .75	300	0.23	1.68
FD10X10	9.5 x 9.5 x .75	300	0.23	1.50
FD10X10A	10 x 10 x .75	300	0.23	1.57
FD10X20	9.5 x 19.5 x .75	300	0.23	2.88
FD10X24	9.5 x 23.5 x .75	300	0.23	3.45
FD10X24A	10 x 24 x .75	300	0.23	3.63
FD10X25	9.5 x 24.5 x .75	300	0.23	3.68
FD10X30N	9.75 x 29.75 x .75	300	0.23	4.49
FD12X12	11.5 x 11.5 x .75	300	0.23	2.08
FD12X12A	12 x 12 x .75	300	0.23	2.17
FD12X18	11.5 x 17.5 x .75	300	0.23	3.19
FD12X18A	12 x 18 x .75	300	0.23	3.33
FD12X20	11.5 x 19.5x.75	300	0.23	3.47
FD12X20N	11.75 x 19.75x.75	300	0.23	3.39
FD12X24	11.5 x 23.5x.75	300	0.23	4.25
FD12X24N	11.75 x 23.75 x .75	300	0.23	4.16
FD12X25	11.5 x 24.5 x .75	300	0.23	4.44
FD12X30	11.5 x 29.5 x .75	300	0.23	5.27
FD12X30A	12 x 30 x .75	300	0.23	5.50
FD12X36	11.5 x 35.5 x .75	300	0.23	6.24
FD12X36A	12 x 36 x .75	300	0.23	6.51
FD13X21.5A	13 x 21.5 x .75	300	0.23	4.30
FD14X14	13.5 x 13.5 x .75	300	0.23	2.92
FD14X18A	14 x 18 x .75	300	0.23	3.87
FD14X20	13.5 x 19.5 x .75	300	0.23	4.21
FD14X24	13.5 x 23.5 x .75	300	0.23	4.87
FD14X25	13.5 x 24.5 x .75	300	0.23	5.19
FD14X30	13.5 x 29.5 x .75	300	0.23	6.17
FD14X36A	14 x 36 x .75	300	0.23	7.30
FD15X20	14.5 x 19.5 x .75	300	0.23	4.43
FD15X25	14.5 x 24.5 x .75	300	0.23	5.55
FD16.25X21.25A	16.25 x 21.25 x .75	300	0.23	4.09
FD16.5X21A	16.5 x 21 x .75	300	0.23	5.26
FD16X16	15.5 x 15.5 x .75	300	0.23	3.72
FD16X20	15.5 x 19.5 x .75	300	0.23	4.65
FD16X21A	16 x 21 x .75	300	0.23	5.18
FD16X24	15.5 x 23.5 x .75	300	0.23	5.58
FD16X25	15.5 x 24.5 x .75	300	0.23	5.95
FD16X30	15.5 x 29.5 x .75	300	0.23	7.07
FD16X32N	15.75 x 31.75 x .75	300	0.23	7.67
FD16X36	15.5 x 35.5 x .75	300	0.23	8.37
FD16X36A	16 x 36 x .75	300	0.23	8.63
FD17.5X23.5N	17.1 x 23.1 x .75	300	0.23	6.29
FD17X22	16.5 x 21.5 x .75	300	0.23	5.54
FD17X25	16.5 x 24.5 x .75	300	0.23	6.33
FD18X18	17.5 x 17.5 x .75	300	0.23	4.82
FD18X20	17.5 x 19.5 x .75	300	0.23	5.24
FD18X20A	18 x 20 x .75	300	0.23	5.39
FD18X24	17.5 x 23.5 x .75	300	0.23	6.29
FD18X25	17.5 x 24.5 x .75	300	0.23	6.71
FD18X30	17.5 x 29.5 x .75	300	0.23	7.96
FD18X36	17.5 x 35.5 x .75	300	0.23	9.43
FD18X36A	18 x 36 x .75	300	0.23	9.70
FD19.5X21A	19.5 x 21 x .75	300	0.23	6.30
FD19.5X22A	19.5 x 22 x .75	300	0.23	6.28
FD19.75X21A	19.75 x 21 x .75	300	0.23	6.38
FD19.75X22A	19.75 x 22 x .75	300	0.23	6.61
FD19X22A	19 x 22 x .75	300	0.23	6.36
FD19X27A	19 x 27 x .75	300	0.23	7.73
FD20X20	19.5 x 19.5 x .75	300	0.23	5.83
FD20X21.5A	20 x 21.5 x .75	300	0.23	6.45
FD20X21A	20 x 21 x .75	300	0.23	6.30
FD20X22	19.5 x 21.5 x .75	300	0.23	6.53
FD20X22A	20 x 22 x .75	300	0.23	6.69
FD20X22.25A	20 x 22.25 x .75	300	0.23	6.69
FD20X24	19.5 x 23.5 x .75	300	0.23	6.99
FD20X25	19.5 x 24.5 x .75	300	0.23	7.46

Part Number	Actual Size WxHxD (inches)	Rated Velocity (FPM)	Initial Resistance (in w.g.)	Media Area (Sq. Ft.)
<b>1" -Performance Data</b>				
FD20X30	19.5 x 29.5 x .75	300	0.23	8.86
FD20X36	19.5 x 35.5 x .75	300	0.23	10.49
FD20X36A	20 x 36 x .75	300	0.23	10.76
FD21.5X23.25A	21.5 x 23.25 x .75	300	0.23	7.70
FD21X21A	21 x 21 x .75	300	0.23	6.77
FD21X23A	21 x 23 x .75	300	0.23	7.28
FD22X22	21.5 x 21.5 x .75	300	0.23	7.18
FD22X22A	22 x 22 x .75	300	0.23	7.35
FD22X24	21.5 x 23.5 x .75	300	0.23	7.70
FD24X24	23.75 x 23.75 x .75	300	0.23	8.41
FD24X24N	23.38 x 23.38 x .75	300	0.23	8.28
FD24X30	23.5 x 29.5 x .75	300	0.23	10.65
FD24X36A	24 x 36 x .75	300	0.23	12.88
FD25X25	24.5 x 24.5 x .75	300	0.23	9.26
FD25X25N	24.75 x 24.75 x .75	300	0.23	9.35
FD25X32A	25 x 32 x .75	300	0.23	11.92
FD30X30	29.5 x 29.5 x .75	300	0.23	13.35
FD30X30A	30 x 30 x .75	300	0.23	13.57
FD30X36A	30 x 36 x .75	300	0.23	16.07
<b>2" -Performance Data</b>				
FD10X20X2	9.5 x 19.5 x 1.75	500	0.35	6.08
FD12X24X2	11.38 x 23.38 x 1.75	500	0.35	8.79
FD14X20X2N	13.5 x 19.5 x 1.75	500	0.35	8.57
FD14X25X2	13.5 x 24.5 x 1.75	500	0.35	10.96
FD15X20X2	14.5 x 19.5 x 1.75	500	0.35	9.36
FD16X20X2	15.5 x 19.5 x 1.75	500	0.35	9.82
FD16X24X2	15.5 x 23.5 x 1.75	500	0.35	11.78
FD16X25X2	15.5 x 24.5 x 1.75	500	0.35	12.57
FD18X18X2	17.5 x 17.5 x 1.75	500	0.35	10.18
FD18X24X2	17.5 x 23.5 x 1.75	500	0.35	13.28
FD20X20X2	19.5 x 19.5 x 1.75	500	0.35	12.31
FD20X24X2	19.5 x 23.5 x 1.75	500	0.35	14.77
FD20X25X2	19.5 x 24.5 x 1.75	500	0.35	15.76
FD20X30X2	19.5 x 29.5 x 1.75	500	0.35	18.71
FD24X24X2N	23.38 x 23.38 x 1.75	500	0.35	17.76
FD24X30X2	23.5 x 29.5 x 1.75	500	0.35	22.50
FD25X25X2	24.5 x 24.5 x 1.75	500	0.35	19.75
FD30X36X2A	30 x 36 x 1.75	500	0.35	33.94
<b>4" -Performance Data</b>				
FD12X24X4N	11.38 x 23.38 x 3.75	500	0.29	13.61
FD16X20X4	15.5 x 19.5 x 3.75	500	0.29	15.75
FD16X25X4	15.5 x 24.5 x 3.75	500	0.29	19.07
FD18X24X4	17.5 x 23.5 x 3.75	500	0.29	20.55
FD20X20X4	19.5 x 19.5 x 3.75	500	0.29	19.75
FD20X24X4	19.5 x 23.5 x 3.75	500	0.29	22.87
FD20X25X4	19.5 x 24.5 x 3.75	500	0.29	23.91
FD24X24X4N	23.38 x 23.38 x 3.75	500	0.29	27.50
FD30X30X4	29.5 x 29.5 x 3.75	500	0.29	43.84
<b>Characteristics</b>		<b>Accumulair Diamond - 80%-85% / MERV 13</b>		
Filter Media	100% Tribo-Electric Synthetic Media			
Frame	Double wall moisture resistant frame			
Media Support	Expanded Metal			
Max. Temperature	150°F (82°C)			
Max. Humidity	100% relative humidity			
Width Tolerance	(+/-) 1/8"			
Height Tolerance	(+/-) 1/8"			
Depth Tolerance	(+/-) 1/16"			
Flammability	Rated Class 2 under UL 900 standard			

1. Recommended final pressure drop for all models is 1.0" w.g.
2. Efficiency ratings are based on ASHRAE standard 52.1
3. MERV ratings are based on ASHRAE standard 52.2
4. Underwriters Laboratories, Inc., rated Class 2 under UL 900 standard
5. Average or estimates for this performance data may have been used in this publication. Please contact Filters-Now for current product information.