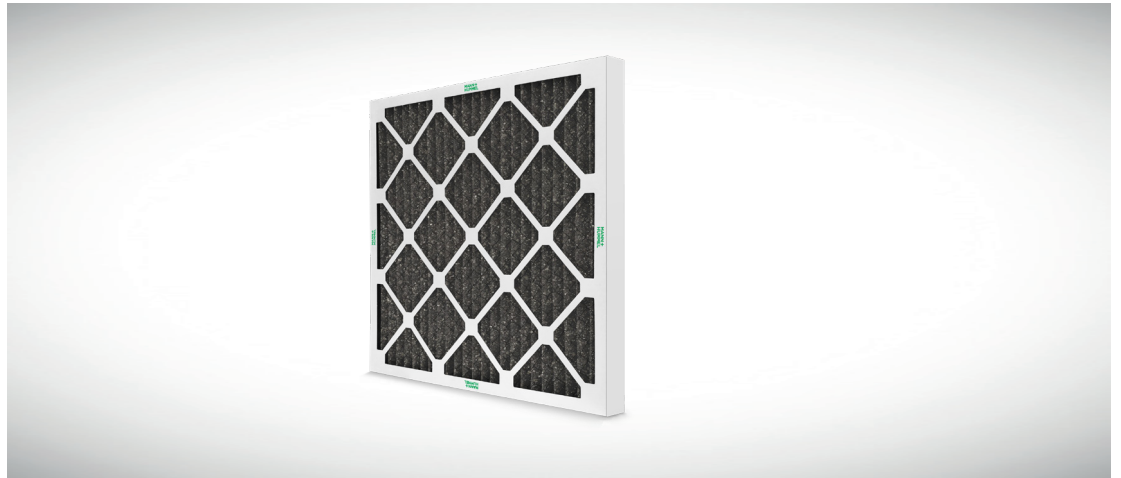


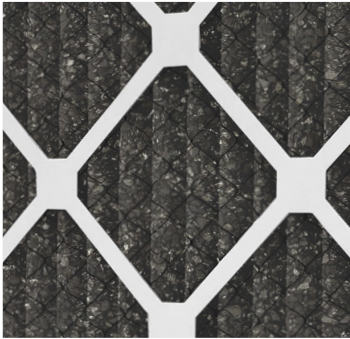
# MC Prime LD/HD Molecular Pleated Filters

## FEATURES

- 215-485 gsm of high activity carbon
- Moisture resistant, 100% reclaimed fiber die-cut frame
- MERV 7 & 10 particulate efficiency
- Quality controlled manufacturing facility
- Available in 1", 2" and 4" depths



## MC PRIME LD/HD CONSTRUCTION & APPLICATIONS



CarbonWeb® media

In the air filter industry, 'typical' carbon pleats use a slurry media that mixes adhesive and carbon dust and is attached to a polyester blend media. The result is very little of the carbon is exposed to the air stream due to it being occluded by the adhesive. Thus, it is very limited in the amount of gases it can capture.

The MC Prime LD/HD uses a fiber-to-carbon bonding that requires no adhesive. This allows virtually the entire carbon surface to be available to capture gases. In addition, the MC Prime LD/HD media is a combination media that offers MERV 7 & 10 particulate efficiency.

The MC Prime LD/HD utilizes a moisture resistance die-cut frame with diagonal supports bonded to the media pack for extra strength to maintain proper pleat spacing and the pleat pack is bonded to a two piece frame.

We recommend using the MC Prime LD/HD filters in applications such as restaurants, firing ranges, casinos and other areas where odor is a concern.

### CONTAMINANTS EFFECTIVELY REMOVED WITH CARBON

Acetic acid	Organic chemicals
Asphalt fumes	Ozone
Cooking odors	Perspiration
Disinfectants	Animal odors
Food aromas	Sewer odors
Hospital odors	Waste products

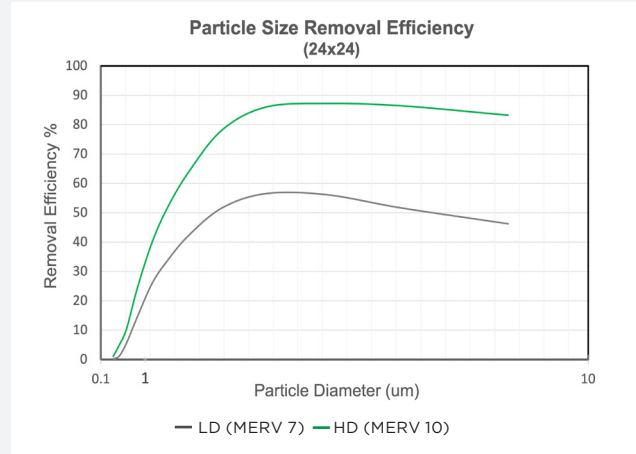
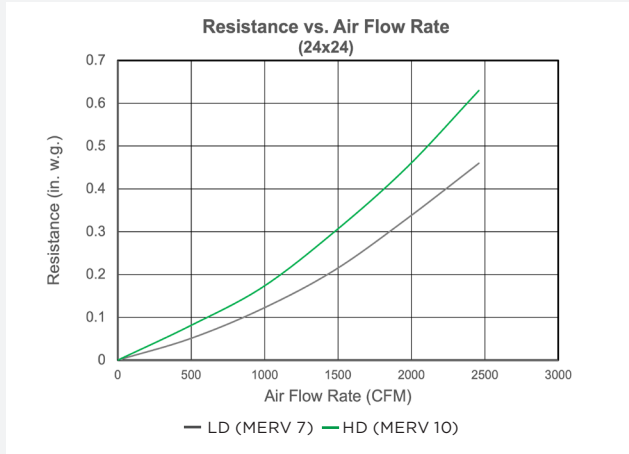
**MC PRIME LD/HD  
PERFORMANCE DATA**

<b>Media</b>	100% CTC 60 highly activated 20x50 mesh carbon
<b>Frame</b>	Heavy duty 28 point beverage board
<b>Final resistance</b>	1.0 in.w.g. (249 Pa)

Resistance @ 500 FPM		Approx. grams of carbon (per 1.0 sq. ft of filter face area)		Particulate efficiency (per ASHRAE 52.2)	
<b>MC PRIME LD</b> 1" deep 2" deep 4" deep	0.41 in.w.g. (119 Pa) 0.50 in.w.g. (112 Pa) 0.19 in.w.g. (95 Pa)	<b>MC PRIME LD</b> 1" deep 2" deep 4" deep	25 g/sq. ft. 50 g/sq. ft. 100 g/sq. ft.	<b>MC PRIME LD</b>	MERV 7
<b>MC PRIME HD</b> 2" deep 4" deep	0.45 in.w.g. (102 Pa) 0.43 in.w.g. (70 Pa)	<b>MC PRIME HD</b> 2" deep 4" deep	200 g/sq. ft. 300 g/sq. ft.	<b>MC PRIME HD</b>	MERV 10

**TECHNICAL DATA**

MC PRIME LD/HD



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

**LOCAL REPRESENTATIVE**