

Prime13

High Capacity Pleated Air Filters

FEATURES

- MERV 13
- High dust holding capacity
- Extended surface
- Wire supported electrostatic media
- Moisture resistant beverage board frame
- Available in 1", 2" & 4" depths
- Max operating temp: 180°F
- UL 900 Classified
- Made in the USA



PRIME13 HIGH CAPACITY CONSTRUCTION & APPLICATIONS

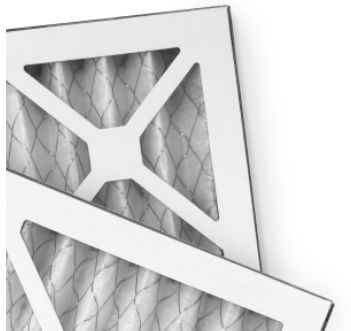
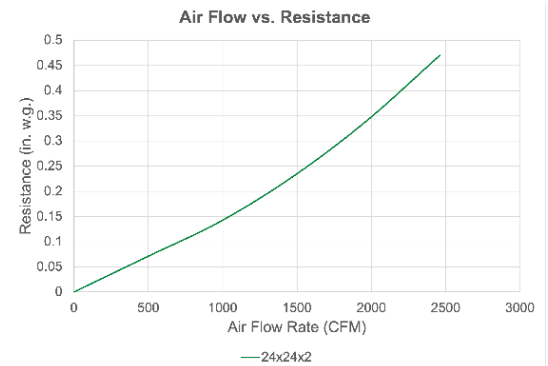
The Prime13 is an extended surface pleated air filter, designed to provide high efficiency, high dust holding capacity and low pressure drop. As an extended-surface air filter, the Prime13, performs at superior levels in comparison to standard pleated filters. The Prime13 has a MERV 13 rating per ASHRAE Test Standards 52.2. The Prime13 also ANSI/UL 900 Classified.

The Prime13's rating of MERV 13 makes it the perfect upgrade from standard MERV 7, MERV 8, MERV 10 and MERV 11 pleated filters as the media allows for the removal of concerning fine particulate, including some virus carriers.

The Prime13 has a durable, moisture resistant, beverage board frame with wire supported media. The Prime13's media is a mechanical blend of synthetic fibers that is designed for use specifically in extended surface pleated filters. Our Prime13 media means that these filters are highly efficient, have a high dust holding capacity and a low pressure drop.

The Prime13 should be used anywhere a higher level of indoor air quality is required. Applications that would benefit from the Prime13 pleated air filter include schools, hotels, commercial office buildings, hospitals, pharmaceutical plants, laboratories, and other facilities where pressure drop and high particle removal efficiency is important.

TECHNICAL DATA



Close-up of Prime13 frame, media & wire

PRIME 13 HIGH CAPACITY
PERFORMANCE DATA

Nominal Depth	Nominal Size (in.) (WxHxD)	Actual Size (in.)			Air Flow @ Capacity (CFM)	Resistance @ Capacity (in. w.g.)	Total Media Area (sq. ft.)	Number of Pleats Per Linear Foot
		Width	Height	Depth				
1"	10x10x1	9.50	9.50	0.75	208	0.29	1.2	15
	10x20x1	9.50	19.50		417		2.5	
	10x25x1	9.50	24.50		521		3.2	
	12x12x1	11.38	11.38		300		1.8	
	12x20x1	11.50	19.50		500		3.1	
	12x24x1	11.50	23.50		600		3.7	
	12x25x1	11.75	24.75		625		4.0	
	14x20x1	13.50	19.50		583		3.6	
	14x25x1	13.50	24.50		729		4.5	
	15x20x1	14.50	19.50		625		3.9	
	15x25x1	14.50	24.50		781		4.9	
	16x16x1	15.75	15.75		533		3.4	
	16x20x1	15.50	19.50		667		4.2	
	16x24x1	15.50	23.50		800		5.0	
	16x25x1	15.50	24.50		833		5.2	
	18x18x1	17.75	17.75		675		4.3	
	18x20x1	17.50	19.50		750		4.7	
	18x24x1	17.50	23.50		900		5.7	
	18x25x1	17.50	24.50		938		5.9	
	20x20x1	19.50	19.50		833		5.2	
2"	20x24x1	19.50	23.50	1.75	1000	0.34	6.3	15
	20x25x1	19.50	24.50		1042		6.6	
	22x22x1	21.75	21.75		1008		6.5	
	24x24x1	23.50	23.50		1200		7.6	
	10x20x2	9.50	19.50		700		6.0	
	12x24x2	11.38	23.38		1000		8.7	
	14x20x2	13.50	19.50		975		8.5	
	14x25x2	13.50	24.50		1220		10.7	
	15x20x2	14.50	19.50		1040		9.1	
	16x20x2	15.50	19.50		1110		9.8	
	16x24x2	15.38	23.38		1333		11.8	
	16x25x2	15.50	24.50		1390		12.2	
	18x18x2	17.75	17.75		1125		10.2	
	18x20x2	17.50	19.50		1250		11.0	
	18x24x2	17.38	23.38		1500		13.3	
	18x25x2	17.50	24.50		1565		13.8	
4"	20x20x2	19.50	19.50	3.75	1390	0.31	12.3	12
	20x24x2	19.38	23.38		1670		14.8	
	20x25x2	19.50	24.50		1740		15.4	
	24x24x2	23.38	23.38		2000		17.8	
	12x24x4	11.38	23.38		1000		11.2	
	16x20x4	15.50	19.50		1110		12.6	
	16x25x4	15.50	24.50		1390		15.8	
	18x24x4	17.38	23.38		1500		17.1	
	20x20x4	19.50	19.50		1390		15.8	
	20x24x4	19.38	23.38		1670		19.0	
	20x25x4	19.50	24.50		1740		19.8	
	24x24x4	23.38	23.38		2000		23.0	

- Notes:
- Recommended final resistance = 1.50 in. w.g.
 - 2" & 4" deep filters are rated at 500 fpm and 1" deep filters are rated at 300 fpm.
 - Performance data is based on ASHRAE Test Standards 52.2-2017.
 - More sizes are available. Please contact customer service for a full list of sizes.
 - Max operating temp: 180°F

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

