

Prime10 XT

Standard & High Capacity

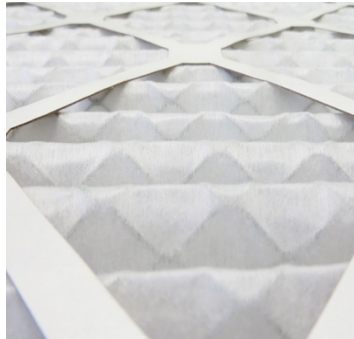
Extra Tough Pleated Air Filters

FEATURES

- MERV 10 efficiency
- Low pressure drop
- High dust holding capacity
- Extended surface
- Heavy duty wire support
- Heavy duty moisture resistant frame
- Available in 1, 2, & 4" depths
- Max operating temp: 180°F



Prime10 XT is up for the demands of the toughest applications



The unique design of the Prime10 XT delivers maximum performance at a low energy consumption

PRIME10 XT & PRIME10HC XT CONSTRUCTION & APPLICATIONS

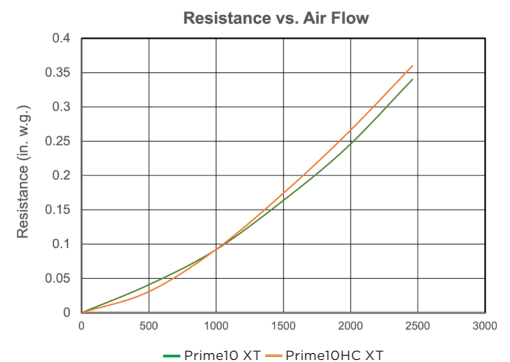
The Prime10 XT filter is specifically engineered to meet the demands of industrial applications, offering exceptional durability through its rugged die-cut frame and heavy-duty wire backing. It is available in both standard and high-capacity versions (Prime10HC XT) and comes in 1", 2", and 4" depths to accommodate various system requirements.

Extensive testing confirms that the Prime10 XT delivers a long service life and outstanding dust-holding capacity (DHC). This is made possible by its specially crafted fibers, which increase the surface area for superior particulate capture compared to traditional filter media.

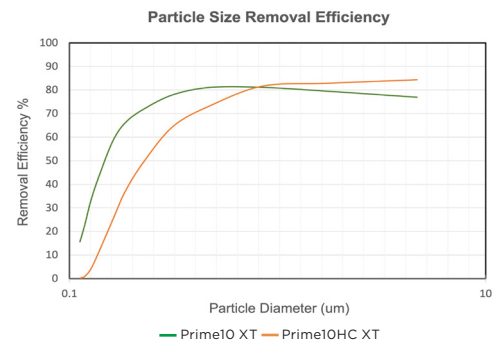
The galvanized steel backing further strengthens the filter, providing 40% more rigidity than standard pleated filters. It is designed to withstand pressure drops up to 7 in. w.g. with minimal deflection, ensuring consistent high performance and low resistance (0.23 in. w.g. at 2,000 CFM). Rated MERV 10, the Prime10 XT offers an exceptional dust-holding capacity and extended service life, making it a reliable solution for demanding industrial environments.

TECHNICAL DATA

PRIME10 XT & PRIME10HC XT



PRIME10 XT & PRIME10HC XT



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PRIME10 XT & PRIME10 HC XT
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		STD	HIGH		STD	HIGH
1"	10x20x1	9.50	19.50	0.75	417	0.23	0.20	2.5	13	15
	12x20x1	11.50	19.50		500			3.1		
	12x24x1	11.50	23.50		600			3.7		
	14x25x1	13.50	24.50		729			4.5		
	15x20x1	14.50	19.50		625			3.9		
	15x25x1	14.50	24.50		781			4.9		
	16x20x1	15.50	19.50		667			4.2		
	16x24x1	15.50	23.50		800			5.0		
	16x25x1	15.50	24.50		833			5.2		
	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		
	20x23x1	19.50	22.50		958			5.7		
	20x24x1	19.50	23.50		1000			6.3		
	20x25x1	19.50	24.50		1042			6.6		
	20x30x1	19.75	29.75		1250			6.9		
	24x24x1	23.50	23.50		1200			7.6		
	24x30x1	23.875	29.875		1500			8.3		
	24x36x1	23.75	35.75		1800			10.0		
2"	25x25x1	24.50	24.50	1.75	1302	0.28	0.23	7.2	10	15
	10x20x2	9.50	19.50		700			6.0		
	12x20x2	11.50	19.50		833			4.8		
	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		
	18x20x2	17.50	19.50		1250			11.0		
	18x24x2*	17.38	23.38		1500			13.3		
	18x25x2	17.50	24.50		1565			13.8		
	20x20x2*	19.50	19.50		1390			12.3		
	20x24x2*	19.38	23.38		1670			14.8		
	20x25x2*	19.50	24.50		1740			15.4		
	20x30x2	19.75	29.75		2083			12.5		
	24x24x2*	23.38	23.38		2000			17.8		
	24x30x2	23.50	29.50		2500			15.0		
	25x25x2	24.50	24.50		2170			12.9		
4"	12x24x4*	11.38	23.38	3.75	1000	0.18	0.16	11.2	9	12
	16x20x4	15.50	19.50		1110			12.6		
	16x24x4	15.50	23.50		1333			15.2		
	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		
	25x29x4	24.50	28.50		2517			29.0		

- Notes:
- * These sizes utilize the new 28pt die-cut frame, currently all other sizes utilize the standard prime die-cut frame
 - Recommended final resistance = 1.0 in. w.g.
 - 1 in. depth is rated at 300 FPM
 - 2 & 4 in. depths are rated at 500 FPM
 - Performance data is based on ASHRAE Test Standards 52.2
 - 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.

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