



## Model P312

Industrial Strength, 1" & 2" Disposable Panel Filters  
Synthetic Media

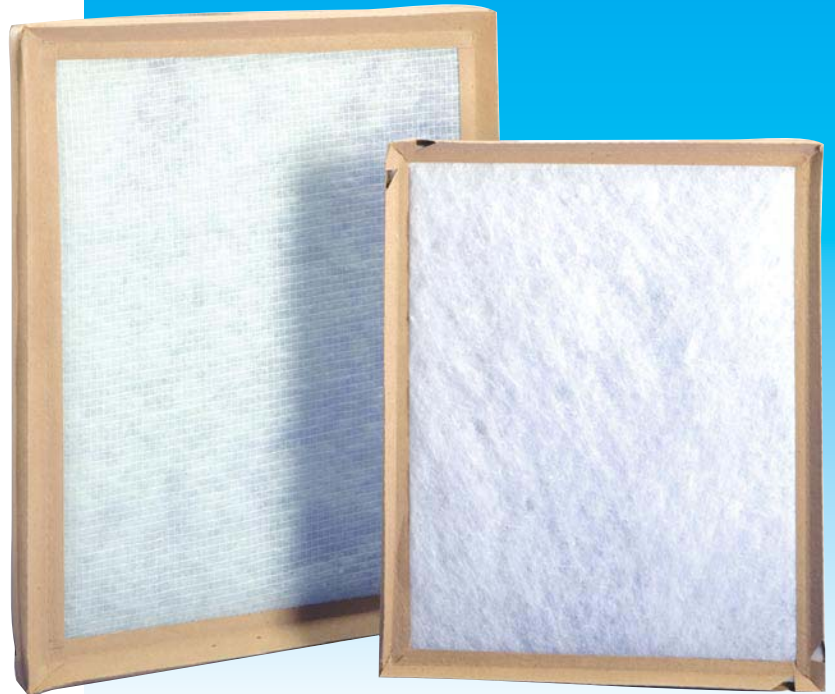
Our long standing excellence in providing durable, top performing disposable filters is applied to the manufacturing of poly fiber **P312** filters. Ideally suited for residential, commercial, or light industrial use, the polyester media was developed for situations where synthetic media products are required.

**Frame** – The **P312** frame is produced using post consumer materials. The unique Monobond pinch frame concept involves a one piece frame sealed to the media under heat and pressure. This construction feature produces a continuous bond of media to board around the periphery of the frame, eliminating weak corners and air bypass. The use of a high tensile strength binder increases the integrity of the seal, allowing the filter to withstand varying temperatures and humidity levels.

When compared to traditional designs, the filter's notched frame corners allow units to interlock, providing up to 33% savings on warehouse space and freight costs.

**Media** – The synthetic media used in a **P312** consists of polyester filters bonded together in an interlocking pattern of tiny lint and dust traps. This configuration maximizes dust loading while minimizing resistance and surface loading.

**Application** – **P312** filters perform best in conditions where large quantities of lint and dust are present. Their rugged construction makes them industry leaders in the high velocity system, prefilter market.



Pinch Frame Design



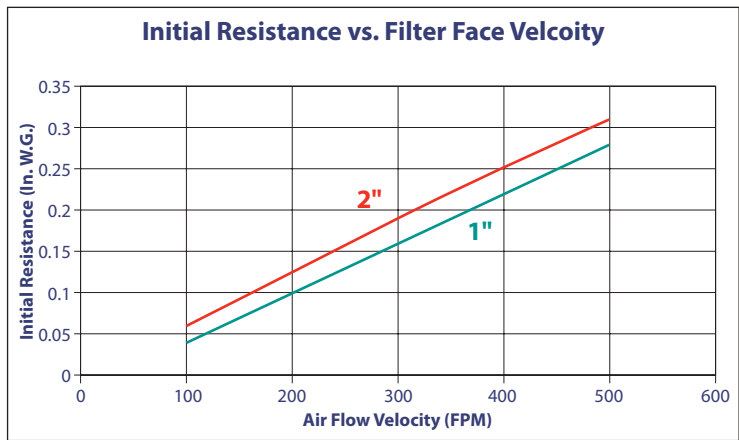
Notched Frame Design

- **Space saving notched frame**
- **Reduce warehouse space and shipping costs with innovative Monobond pinch frame notched design**
- **Improved aerodynamics reduce restriction to air flow**
- **Safe, easy, fast installation**
- **Larger effective filtering surface area**
- **Wide selection of standard sizes**
- **Classified Class 2 by Underwriters Laboratories, Inc.**

# Model P312

Industrial Strength, 1" & 2" Disposable Panel Filters, Synthetic Media

Category	P312 1"	P312 2"
Air Flow Velocity (FPM)	300	300
Initial Resistance (In. W.G.)	.16"	.19"
Recommended Final Resistance (In. W.G.)	.50"	1.00"
Average Arrestance (%)	82%	89%



\*Resistance climbs more rapidly on 1" thus reducing dust holding capacity and filter life. Testing conducted in accordance with the ASHRAE 52.1-1992 Test Standard. Classified Class 2 by Underwriters Laboratories, Inc.

Standard 1" and 2" Sizes					
1 Inch			2 Inch		
10x10	14x20	18x20	10x20	18x24	
10x20	14x24	18x24	12x24	20x20	
10x24	14x25	18x25	14x20	20x24	
12x12	14x30	20x20	14x25	20x25	
12x20	15x20	20x24	15x20	24x24	
12x24	16x16	20x25	16x16	25x25	
12x25	16x20	20x30	16x20		
12x30	16x24	24x24	16x24		
14x14	16x25	24x30	16x25		
	18x18	25x25			

A-P312-207



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