

# Purolator®

## 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.

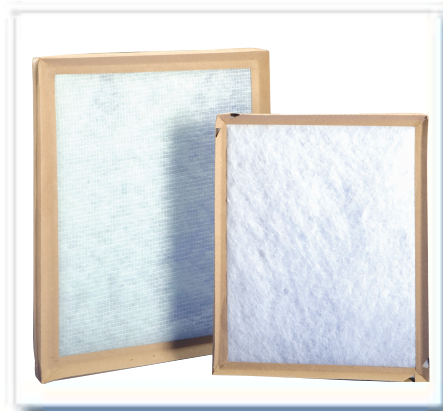
**Frame** – The **P312** frame is produced using post consumer recycled materials. The unique Monobond pinch frame concept involves a one piece frame sealed to the media under heat and pressure. This construction feature produces a continuous bond of media to board around the periphery of the frame, 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.

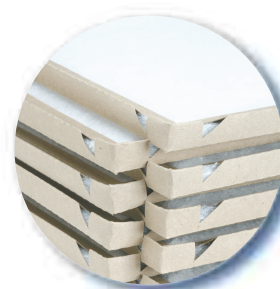
**Media** – The synthetic media used in a **P312** consists of polyester fibers bonded together in an interlocking pattern of tiny lint and dust traps. This configuration maximizes dust loading while minimizing resistance and surface loading.

**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.

- 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, fast, easy installation
- Larger effective filtering surface area
- Wide selection of standard sizes
- Classified Class 2 by Underwriters Laboratories, Inc.



Pinch  
Frame  
Design

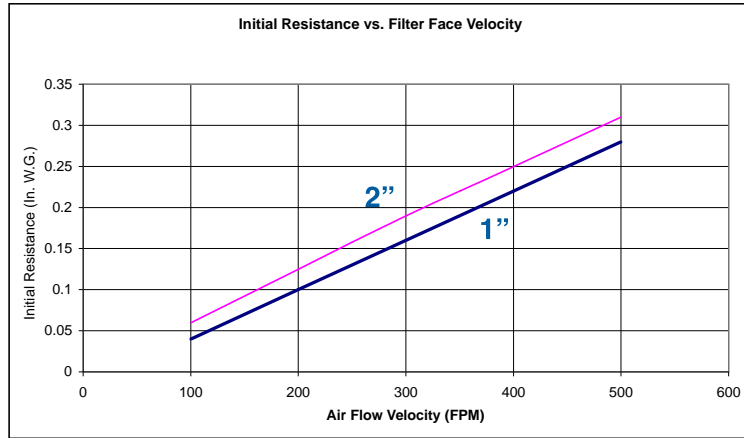


Notched  
Frame  
Design

**Precision Filtration Products**  
YOUR ONE  FOR FILTERS

## P312 Performance Data\*

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 (%)	82.6%	89.3%



\* 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		
10 x 10	14 x 20	18 x 20	10 x 20	18 x 24	
10 x 20	14 x 24	18 x 24	12 x 24	20 x 20	
10 x 24	14 x 25	18 x 25	14 x 20	20 x 24	
12 x 12	14 x 30	20 x 20	14 x 25	20 x 25	
12 x 20	15 x 20	20 x 24	15 x 20	24 x 24	
12 x 24	16 x 16	20 x 25	16 x 16	25 x 25	
12 x 25	16 x 20	20 x 30	16 x 20		
12 x 30	16 x 24	24 x 24	16 x 24		
14 x 14	16 x 25	24 x 30	16 x 25		
	18 x 18	25 x 25			

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