Purolator

The **F312** disposable panel filters are designed to withstand the demands of tough industrial and commercial applications. Purolator assures filter durability by utilizing construction features not found in traditional designs.

Frame – Purolator F312 frames are 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 polyethylene binder increases the integrity of the seal, allowing the filter to withstand varying temperatures and humidity levels.

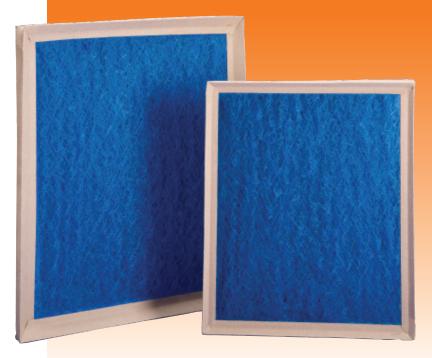
Media – Purolator F312 filters are manufactured with superior grade fiberglass media to guarantee full depth loading and high dust holding capacity. A computer-controlled manufacturing process assures a uniform gradient density pattern in the media.

To enhance filtration capability and prevent migration of finer particles, the filter media has a skin backing and is evenly coated with a gelled adhesive.

Application – Purolator's **F312** filters perform best in conditions where large quantities of lint and dust are present. The rugged construction makes these filters industry leaders in the high velocity system, prefilter market.

Model F312

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





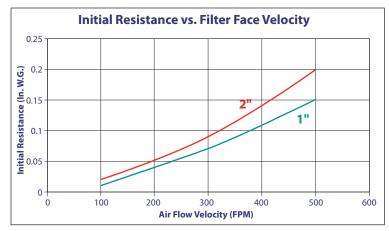
Pinch Frame Design

- Performance is enhanced by a skin backing on the air leaving side of the media
- 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 F312

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

Category	F312 1"	F312 2"	
Air Flow Velocity (FPM)	300	300	
Initial Resistance (In. W.G.)	.07"	.09"	
Recommended Final Resistance (In. W.G.)	.50"	1.0"	
Average Arrestance (%)	72%	75%	



*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		
8x16 8x30 10x10 10x16 10x20 10x24 10x25 10x30 12x12 12x16	12x18 12x20 12x24 12x25 12x30 14x14 14x16 14x18 14x20 14x24	14x25 14x30 15x20 15x25 15x30 15x30% 16x16 16x18 16x20 16x24	16x25 16x30 18x18 18x20 18x24 18x25 18x30 20x20 20x22 ¹ / ₄ 20x24	20x25 20x30 22x22 24x24 24x30 25x25	10x20 18x24 12x24 20x20 14x20 20x24 14x25 20x25 15x20 24x24 16x16 25x25 16x20 16x24 16x25		







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