



## Model P312

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

Our long standing excellence in providing durable, top performing disposable filters is applied to the manufacturing of poly fiber **P312** filters. P-312 filters can be used as replacement for F-312 Fiberglass filters. Ideally suited for residential, commercial, or light industrial use, the polyester media was developed for situations where synthetic media products are best suited.

**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.

**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 to air flow and surface loading.

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



### Pinch Frame Design

- Improved aerodynamics reduce restriction to air flow
- Safe, easy, fast installation
- Larger effective filtering surface area
- Wide selection of standard sizes
- Classified per UL Standard 900 for flammability

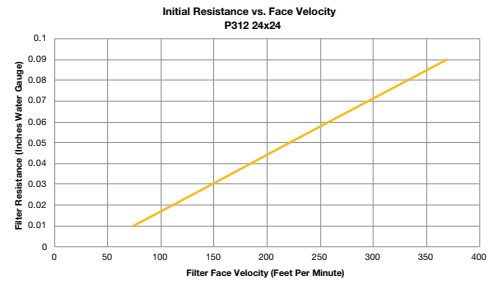


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# Model P312

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

Model Number	Nominal Size (Inches) W x H x D	Actual Size (Inches) W x H x D	Rated Air Flow Capacity (CFM)	Initial Resistance (Inches W.G.) @ Rated Air Flow	Media Area (Square Feet)
P312-STD1	8 X 16 X 1	7-15/16 X 15-7/8 X 7/8	265	0.07"	0.9
P312-STD1	8 X 30 X 1	7-15/16 X 29-7/8 X 7/8	500	0.07"	1.7
P312-STD1	10 X 10 X 1	9-7/8 X 9-7/8 X 7/8	210	0.07"	0.7
P312-STD1	10 X 16 X 1	9-7/8 X 15-7/8 X 7/8	335	0.07"	1.1
P312-STD1	10 X 20 X 1	9-7/8 X 19-5/8 X 7/8	415	0.07"	1.4
P312-STD1	10 X 24 X 1	9-7/8 X 23-3/4 X 7/8	500	0.07"	1.7
P312-STD1	10 X 25 X 1	9-7/8 X 24-5/8 X 7/8	520	0.07"	1.7
P312-STD1	10 X 30 X 1	9-7/8 X 29-7/8 X 7/8	625	0.07"	2.1
P312-STD1	12 X 12 X 1	11-7/8 X 11-7/8 X 7/8	300	0.07"	1.0
P312-STD1	12 X 16 X 1	11-7/8 X 15-7/8 X 7/8	400	0.07"	1.3
P312-STD1	12 X 18 X 1	11-7/8 X 17-7/8 X 7/8	440	0.07"	1.5
P312-STD1	12 X 20 X 1	11-7/8 X 19-5/8 X 7/8	500	0.07"	1.7
P312-STD1	12 X 24 X 1	11-7/8 X 24-3/4 X 7/8	600	0.07"	2.0
P312-STD1	12 X 25 X 1	11-7/8 X 24-5/8 X 7/8	625	0.07"	2.1
P312-STD1	12 X 30 X 1	11-7/8 X 29-7/8 X 7/8	750	0.07"	2.5
P312-STD1	14 X 14 X 1	13-7/8 X 13-7/8 X 7/8	410	0.07"	1.4
P312-STD1	14 X 16 X 1	13-7/8 X 15-7/8 X 7/8	465	0.07"	1.6
P312-STD1	14 X 18 X 1	13-7/8 X 17-1/8 X 7/8	525	0.07"	1.8
P312-STD1	14 X 20 X 1	13-7/8 X 19-5/8 X 7/8	585	0.07"	1.9
P312-STD1	14 X 24 X 1	13-7/8 X 23-3/4 X 7/8	700	0.07"	2.3
P312-STD1	14 X 25 X 1	13-7/8 X 24-5/8 X 7/8	730	0.07"	2.4
P312-STD1	14 X 30 X 1	13-7/8 X 29-7/8 X 7/8	875	0.07"	2.9
P312-STD1	15 X 20 X 1	14-7/8 X 19-5/8 X 7/8	625	0.07"	2.1
P312-STD1	15 X 25 X 1	14-7/8 X 24-5/8 X 7/8	780	0.07"	2.6
P312-STD1	15 X 30 X 1	14-7/8 X 29-7/8 X 7/8	940	0.07"	3.1
P312-STD1	15 X 30-5/8 X 1	14-7/8 X 30-5/8 X 7/8	955	0.07"	3.2
P312-STD1	16 X 16 X 1	15-7/8 X 15-7/8 X 7/8	535	0.07"	1.8
P312-STD1	16 X 18 X 1	15-7/8 X 17-7/8 X 7/8	590	0.07"	2.0
P312-STD1	16 X 20 X 1	15-7/8 X 19-5/8 X 7/8	665	0.07"	2.2
P312-STD1	16 X 24 X 1	15-7/8 X 23-3/4 X 7/8	800	0.07"	2.7
P312-STD1	16 X 25 X 1	15-7/8 X 24-5/8 X 7/8	835	0.07"	2.8
P312-STD1	16 X 30 X 1	15-7/8 X 29-7/8 X 7/8	1000	0.07"	3.3
P312-STD1	18 X 18 X 1	17-7/8 X 17-7/8 X 7/8	675	0.07"	2.3
P312-STD1	18 X 20 X 1	17-7/8 X 19-5/8 X 7/8	750	0.07"	2.5
P312-STD1	18 X 24 X 1	17-7/8 X 23-3/4 X 7/8	900	0.07"	3.0
P312-STD1	18 X 25 X 1	17-7/8 X 24-5/8 X 7/8	940	0.07"	3.1
P312-STD1	18 X 30 X 1	17-7/8 X 29-7/8 X 7/8	1125	0.07"	3.8
P312-STD1	20 X 20 X 1	19-5/8 X 19-5/8 X 7/8	835	0.07"	2.8
P312-STD1	20 X 22-1/4 X 1	19-5/8 X 22-1/4 X 7/8	925	0.07"	3.1
P312-STD1	20 X 24 X 1	19-5/8 X 23-3/4 X 7/8	1000	0.07"	3.3
P312-STD1	20 X 25 X 1	19-5/8 X 24-5/8 X 7/8	1040	0.07"	3.5
P312-STD1	20 X 30 X 1	19-5/8 X 29-7/8 X 7/8	1250	0.07"	4.2
P312-STD1	22 X 22 X 1	21-15/16 X 21-15/16 X 7/8	1010	0.07"	3.4
P312-STD1	24 X 24 X 1	23-3/4 X 23-3/4 X 7/8	1200	0.07"	4.0
P312-STD1	24 X 30 X 1	23-3/4 X 29-7/8 X 7/8	1500	0.07"	5.0
P312-STD1	25 X 25 X 1	24-5/8 X 24-5/8 X 7/8	1300	0.07"	4.3
P312-STD2	10 X 20 X 2	9-5/8 X 19-5/8 X 1-5/8	415	0.07"	1.4
P312-STD2	12 X 24 X 2	11-3/8 X 23-3/8 X 1-5/8	600	0.07"	2.0
P312-STD2	14 X 20 X 2	13-5/8 X 19-5/8 X 1-5/8	585	0.07"	1.9
P312-STD2	14 X 25 X 2	13-5/8 X 24-5/8 X 1-5/8	730	0.07"	2.4
P312-STD2	15 X 20 X 2	14-5/8 X 19-5/8 X 1-5/8	625	0.07"	2.1
P312-STD2	16 X 16 X 2	15-5/8 X 15-5/8 X 1-5/8	535	0.07"	1.8
P312-STD2	16 X 20 X 2	15-5/8 X 19-5/8 X 1-5/8	665	0.07"	2.2
P312-STD2	16 X 24 X 2	15-5/8 X 23-5/8 X 1-5/8	770	0.07"	2.6
P312-STD2	16 X 25 X 2	15-5/8 X 24-5/8 X 1-5/8	835	0.07"	2.8
P312-STD2	18 X 24 X 2	17-5/8 X 23-5/8 X 1-5/8	900	0.07"	3.0
P312-STD2	20 X 20 X 2	19-5/8 X 19-5/8 X 1-5/8	835	0.07"	2.8
P312-STD2	20 X 24 X 2	19-5/8 X 23-5/8 X 1-5/8	1000	0.07"	3.3
P312-STD2	20 X 25 X 2	19-5/8 X 24-5/8 X 1-5/8	1040	0.07"	3.5
P312-STD2	20 X 30 X 2	19-3/4 X 29-3/4 X 1-5/8	1250	0.07"	4.2
P312-STD2	20 X 35 X 2	19-1/2 X 34-1/2 X 1-5/8	1460	0.07"	4.9
P312-STD2	24 X 24 X 2	23-3/8 X 23-3/8 X 1-5/8	1200	0.07"	4.0
P312-STD2	25 X 25 X 2	24-3/8 X 24-3/8 X 1-5/8	1300	0.07"	4.3



**NOTES:**

1. Testing per ASHRAE Standard 52.2-2017. Performance based on 295 FPM face velocity for a 24x24 face size.
2. MERV < 5
3. Rated face velocity 500 FPM.
4. Recommended final resistance 1" depth 0.50" W.G.
5. Recommended final resistance 2" depth 1.00" W.G.
6. Maximum Operating Temperature 200°F (93°C).
7. Classified per UL 900 for flammability.



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