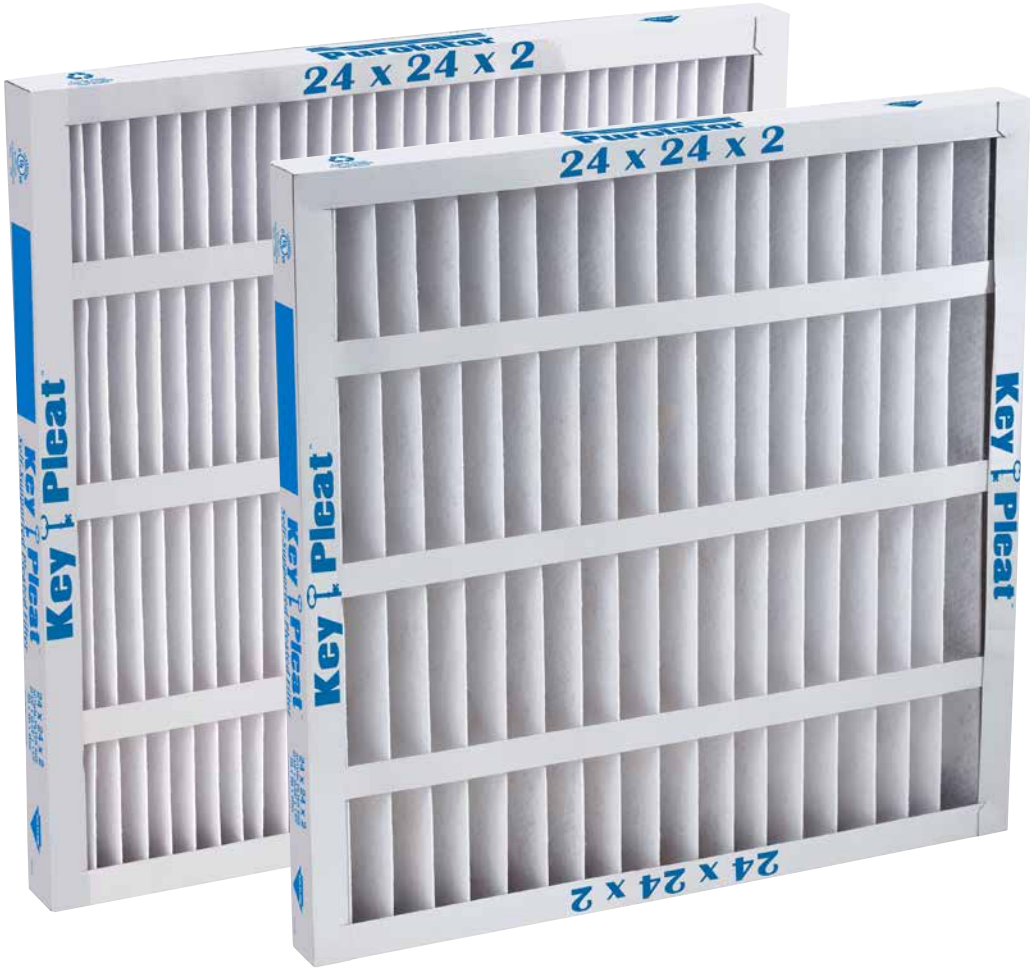
Purolator®

Key Pleat

MERV 8 Standard and High-Capacity
Self-Supported Pleated Filters



- Standard and High-Capacity MERV 8, MERV-A 8-A
- Automated process delivers consistency and durability
- Durable, self-supporting synthetic media
- No metal, fully incinerable
- Die cut frame with interlocking corners for added strength

Parker

ENGINEERING YOUR SUCCESS.

Key Pleat

Standard and High-Capacity Self-Supported Pleated Filters

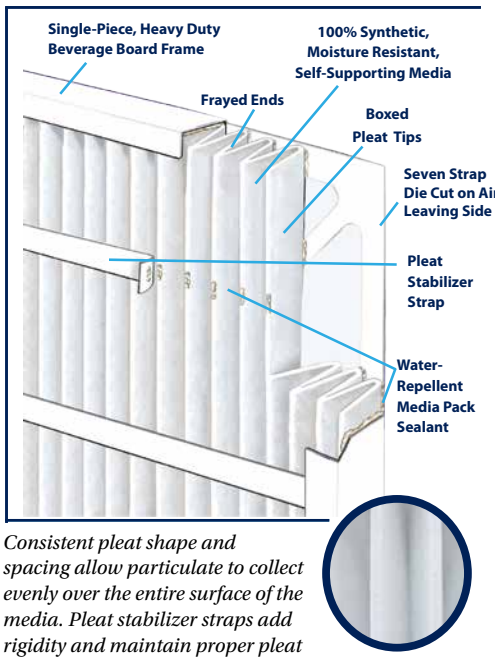
Purolator's innovative Key Pleat® standard and high-capacity filters are the best-performing self-supported pleat (SSP) on the market. Using breakthrough technology and processes by Parker's R&D team, the Key Pleat achieves a mechanical MERV 8 efficiency, extremely low pressure drop, and industry-leading dust holding capacity.

Media:

- Mechanical efficiency produces increased efficiency as media loads
- Self-supported media – no metal wire backing
- 100% synthetic media resists moisture, mold, and damage
- High strength and rigidity, resulting in full depth loading and enhanced dust holding capacity

Construction:

- Seven strap die cut on air leaving side of the filter
- Die cut, single-piece beverage board frame
- Three pleat stabilizer straps on upstream side
- 100% water repellent, high-strength adhesive coats entire interior of frame
- Over 140 (SC) and 250 (HC) adhesion points between media and frame
- Boxed pleat tips provide surface area for adhesion



Consistent pleat shape and spacing allow particulate to collect evenly over the entire surface of the media. Pleat stabilizer straps add rigidity and maintain proper pleat spacing. Photo of air leaving side on next page shows the integral media pack support grid.

Boxed Pleat Tips

Pleat Consistency:

The Key Pleat possesses the most consistent pleat spacing on the market, achieved with innovative media and a fully automated manufacturing process. The direct adhesion between the media and frame resists movement, bunching, and collapsing during use, supporting a consistent low pressure drop, balanced dust loading, and longer service life.

Durability:

The robust durability of the Key Pleat filters will save time and money previously wasted on replacing damaged wire-backed filters. With no metal that can warp or deform, moisture-resistant beverage board frame, and rugged synthetic media, the Key Pleat packs a punch and maintains its structural integrity even in wet or humid conditions.

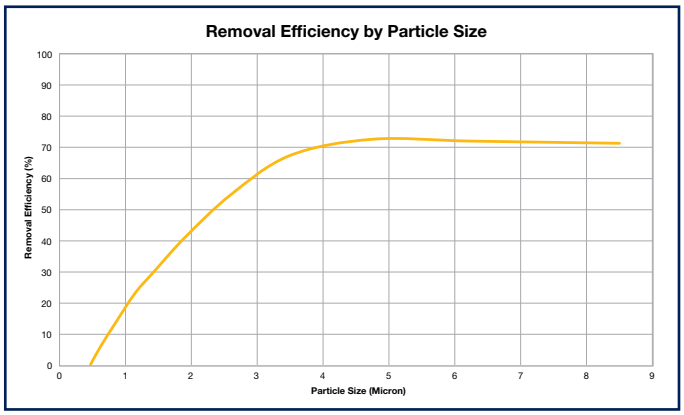
Value-added summary:

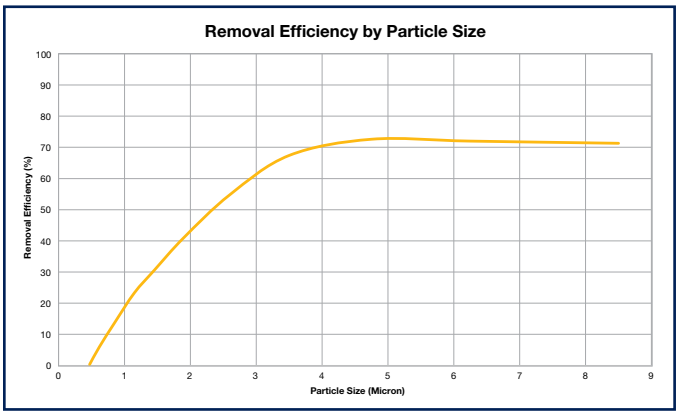
- Mechanical efficiency
- Synthetic media does not support microbial growth
- No metal, fully incinerable
- Durable and damage resistant construction
- Die cut adhesion and design engineered for high strength and support
- Uniform pleat spacing maximizes performance
- Water and moisture resistant media, frame, and adhesive

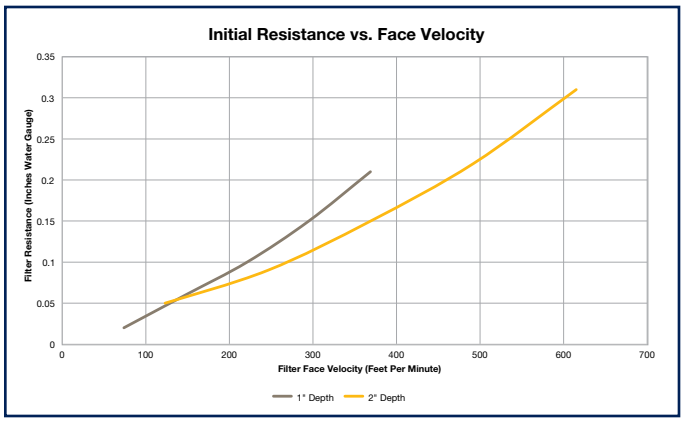
Integral media pack support grid on air leaving side of filter.

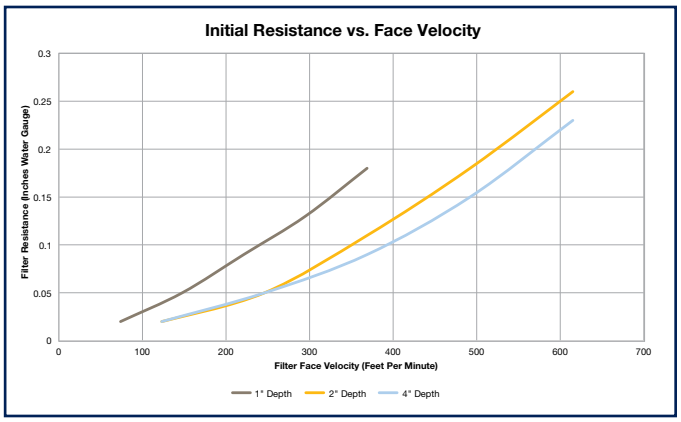
Applications:

- Final filters for MERV 8 requirements
- All standard commercial applications with normal operating environments
- Low and medium dust-loading industrial applications
- Pre-filters in multi-stage systems
- Not for use in high temperature applications or applications with very high or turbulent airflow









Standard-Capacity (KP)

High-Capacity (KPH)

Key Pleat

Standard and High-Capacity Self-Supported Pleated Filters

Technical Data:

Nominal Size W x H x D	Actual Size W x H x D	Air Flow Capacity (CFM)		Initial Resistance 1"@300 FPM 2", 4"@500 FPM		Gross Media Area (Sq. Ft.)	
		KP 1" 300 FPM 2" 500 FPM	KPH 1" 300 FPM 2" 500 FPM 4" 500 FPM	KP	KPH	KP	KPH
10X20X1	9-1/2 x 19-1/2 x 3/4	415	415	0.15	0.13	2.3	3.1
10X24X1	9-3/8 x 23-3/8 x 3/4	500	500	0.15	0.13	2.8	3.5
12X12X1	11-3/4 x 11-3/4 x 3/4	300	300	0.15	0.13	1.8	2.3
12X20X1	11-1/2 x 19-1/2 x 3/4	500	500	0.15	0.13	2.8	3.7
12X24X1	11-3/8 x 23-3/8 x 3/4	600	600	0.15	0.13	3.4	4.4
14X14X1	13-3/4 x 13-3/4 x 3/4	410	410	0.15	0.13	2.4	3.1
14X20X1	13-1/2 x 19-1/2 x 3/4	585	585	0.15	0.13	3.3	4.3
14X24X1	13-3/8 x 23-3/8 x 3/4	700	700	0.15	0.13	4.0	5.1
14X25X1	13-1/2 x 24-1/2 x 3/4	730	730	0.15	0.13	4.2	5.4
14X30X1	13-3/4 x 29-3/4 x 3/4	875	875	0.15	0.13	5.2	6.7
15X20X1	14-1/2 x 19-1/2 x 3/4	625	625	0.15	0.13	3.6	4.7
16X16X1	15-1/2 x 15-1/2 x 3/4	530	530	0.15	0.13	3.0	4.0
16X20X1	15-1/2 x 19-1/2 x 3/4	665	665	0.15	0.13	3.8	5.0
16X24X1	15-3/8 x 23-3/8 x 3/4	800	800	0.15	0.13	4.6	5.9
16X25X1	15-1/2 x 24-1/2 x 3/4	835	835	0.15	0.13	4.8	6.3
16X30X1	15-3/4 x 29-3/4 x 3/4	1000	1000	0.15	0.13	6.0	7.7
18X18X1	17-3/4 x 17-3/4 x 3/4	675	675	0.15	0.13	4.1	5.2
18X20X1	17-3/8 x 19-1/2 x 3/4	750	750	0.15	0.13	4.3	5.6
18X24X1	17-3/8 x 23-3/8 x 3/4	900	900	0.15	0.13	5.2	6.8
18X25X1	17-1/2 x 24-1/2 x 3/4	936	936	0.15	0.13	5.4	7.1
20X20X1	19-1/2 x 19-1/2 x 3/4	830	830	0.15	0.13	4.8	6.2
20X22X1	19-3/4 x 21-3/4 x 3/4	915	915	0.15	0.13	5.5	7.1
20X24X1	19-3/8 x 23-3/8 x 3/4	1000	1000	0.15	0.13	5.9	7.5
20X25X1	19-1/2 x 24-1/2 x 3/4	1040	1040	0.15	0.13	6.1	7.8
20X30X1*	19-1/2 x 29-1/2 x 3/4	1250	1250	0.15	0.13	7.3	9.4
24X24X1	23-3/8 x 23-3/8 x 3/4	1200	1200	0.15	0.13	7.0	9.1
24X30X1	23-3/4 x 29-3/4 x 3/4	1500	1500	0.15	0.13	9.1	11.8
25X25X1	24-1/2 x 24-1/2 x 3/4	1300	1300	0.15	0.13	7.7	10.0
10X20X2	9-1/2 x 19-1/2 x 1-3/4	700	700	0.22	0.18	4.0	6.1
12X20X2	11-1/2 x 19-1/2 x 1-3/4	840	840	0.22	0.18	4.8	7.5
12X24X2	11-3/8 x 23-3/8 x 1-3/4	1000	1000	0.22	0.18	5.7	9.0
14X20X2	13-1/2 x 19-1/2 x 1-3/4	980	980	0.22	0.18	5.5	8.8
14X25X2	13-1/2 x 24-1/2 x 1-3/4	1220	1220	0.22	0.18	6.9	11.0
15X20X2	14-1/2 x 19-1/2 x 1-3/4	1050	1050	0.22	0.18	6.0	9.5
16X16X2	15-3/4 x 15-3/4 x 1-3/4	890	890	0.22	0.18	5.3	8.5
16X20X2	15-1/2 x 19-1/2 x 1-3/4	1120	1120	0.22	0.18	6.5	10.2
16X24X2	15-3/8 x 23-3/8 x 1-3/4	1340	1340	0.22	0.18	7.5	12.2
16X25X2	15-1/2 x 24-1/2 x 1-3/4	1400	1400	0.22	0.18	8.2	12.8
18X18X2	17-3/4 x 17-3/4 x 1-3/4	1125	1125	0.22	0.18	6.6	10.6
18X20X2	17-1/2 x 19-1/2 x 1-3/4	1250	1250	0.22	0.18	7.3	11.4
18X24X2	17-3/8 x 23-3/8 x 1-3/4	1500	1500	0.22	0.18	8.7	13.7
18X25X2	17-1/2 x 24-1/2 x 1-3/4	1570	1570	0.22	0.18	9.2	14.3
20X20X2	19-1/2 x 19-1/2 x 1-3/4	1400	1400	0.22	0.18	8.0	12.9
20X24X2	19-3/8 x 23-3/8 x 1-3/4	1670	1670	0.22	0.18	9.6	15.1
20X25X2	19-1/2 x 24-1/2 x 1-3/4	1750	1750	0.22	0.18	10.1	16.2
20X30X2*	19-1/2 x 29-1/2 x 1-3/4	2085	2085	0.22	0.18	12.2	19.5
24X24X2	23-3/8 x 23-3/8 x 1-3/4	2000	2000	0.22	0.18	11.8	18.3
25X25X2	24-1/2 x 24-1/2 x 1-3/4	2170	2170	0.22	0.18	12.9	20.5
12X24X4	11-3/8 x 23-3/8 x 3-3/4	-	1000	-	0.15	-	13.0
16X20X4	15-1/2 x 19-1/2 x 3-3/4	-	1120	-	0.15	-	14.9
16X25X4	15-1/2 x 24-1/2 x 3-3/4	-	1400	-	0.15	-	18.8
18X24X4	17-3/8 x 23-3/8 x 3-3/4	-	1500	-	0.15	-	19.7
20X20X4	19-1/2 x 19-1/2 x 3-3/4	-	1400	-	0.15	-	18.5
20X24X4	19-3/8 x 23-3/8 x 3-3/4	-	1670	-	0.15	-	22.2
20X25X4	19-1/2 x 24-1/2 x 3-3/4	-	1750	-	0.15	-	22.3
24X24X4	23-3/8 x 23-3/8 x 3-3/4	-	2000	-	0.15	-	26.5

* Reverse Pleat

NOTES:

1. MERV 8, MERV-A 8-A
2. All performance data is based on the ASHRAE 52.2-2012 Test Standard. Tested at 492 FPM for a 24x24x2 or 24x24x4 size filter.
3. Maximum final resistance 1.0" W.G.
4. Filters may be installed with the pleats either vertical (preferred) or horizontal.

Underwriters Laboratories, Inc. Classification: Classified per UL Standard 900 for Flammability.

Operating Temperature Limit: Maximum operating temperature is 150°F (65°C).

WARNING: This product can expose you to chemicals, including acetaldehyde, which are known to the State of California to cause cancer, and methanol, which are known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

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