Purolator™

Your First Name In Filters

Hi-E® 40

Extended Surface Pleated Filters

MERV 8

The Industry's Largest Selling Brand of Pleated Filters

- **Mechanical MERV 8**
- Low Initial Resistance for Energy Savings
- Quality Engineered
- Consistently Produced
- Widest Selection
- Industry's Largest Inventory
- Competitively Priced

The Best Just Got Better- Hi-E 40 Pleats Now Mechanical MERV 8

Hi-E® 40

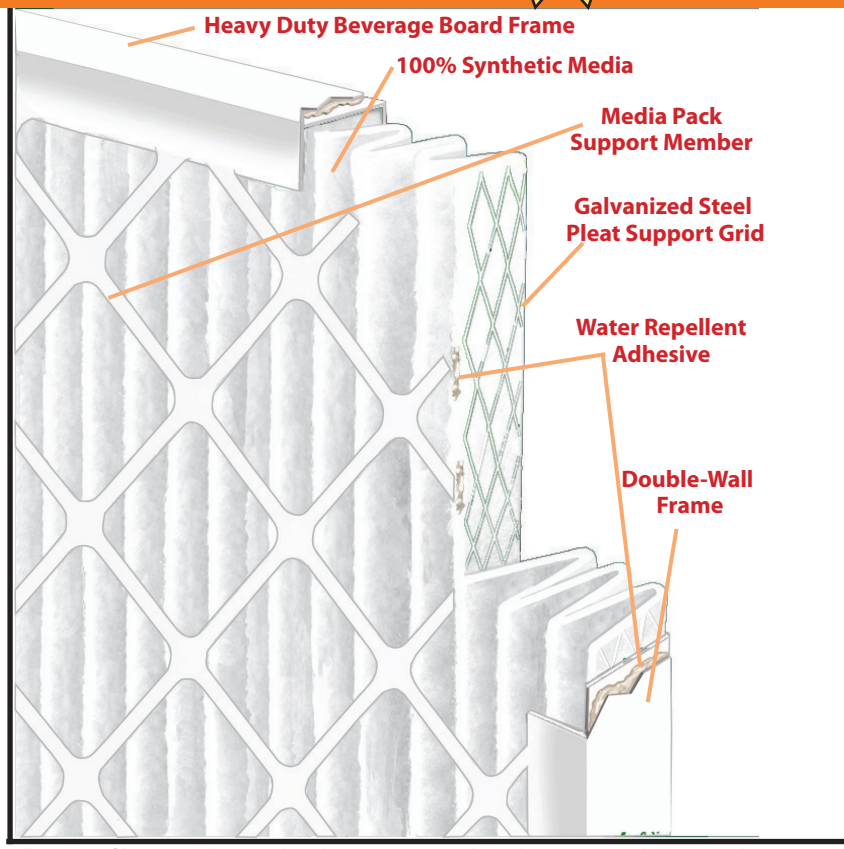
Extended Surface Pleated Filters

Exceeds ASHRAE Standard 62 air cleaning specifications for filters installed upstream of cooling coils.

Mechanical MERV 8

- **Hi-E 40 -** The industry standard for performance and value for over 30 years.

- **Gain 1 Point toward LEED Certification -** During the process of new construction, install MERV 8 filters at each return air grille for air handlers used during construction. Conduct a two-week building flushout with new air filters and 100-percent outdoor air prior to occupancy.



All Hi-E 40 filters are designed with a consistent pleat shape on predetermined centers causing dirt to collect evenly over the entire surface of the media. Fully utilizing every square inch results in a slow steady rise in resistance for maximum dust holding capacity.

Nobody Sells More Pleats than Purolator. Here's Why...

Quality Engineered

Proprietary MERV 8 Media - Developed to deliver consistent performance-
The heart of the product. Purolator medias are manufactured to exclusive specifications produced only for Purolator. Nobody pays more attention to media specifications than Purolator. Rigid requirements for resistance, efficiency, MERV values and dust holding capacity are verified by QC checks on incoming raw materials, production line sampling and field audits of finished goods.

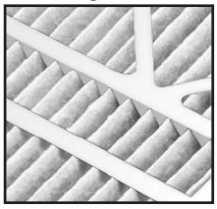
Mechanical Media - Hi-E 40 filters are made with 100% synthetic fibers providing mechanical efficiency to achieve a MERV 8 performance. Hi-E 40 filters have a MERV 8 performance before and after a conditioning step. The MERV 8 media has a Polyvinyl Acetate (PVA) adhesive that is not affected by mold or microbial growth.

Heavy Duty Beverage Board Frame - Moisture resistant, sturdy frame material stands up to rough handling and difficult service conditions, providing long service life. The new die cut pattern increases contact points between the beverage board and die cut by 50%.

Purolator pleats can't be beat!

Two-Piece Frame Construction - Double-wall thickness around the outer edge and integral die cut cross members provide strength and rigidity. Hi-E 40 filters will not rack, warp or bend under normal handling or operating conditions.

Pleat Stabilizers - The 4" deep filters are designed with individual die cut fingers that separate and stabilize each pleat. Consistent pleat alignment enhances dust holding capacity for longer service life.



Purolator Pleats Can't Be Beat!

Mechanical MERV 8

Purolator™

Water Repellent Adhesive–Adheres Even When Wet-

The adhesive used to bond the frame and media pack into a unitized assembly is highly water repellent. The pleats hold together even when wet. No delaminating, no excessive buckling, no collapsing.

Galvanized Steel Pleat Support - Prevents Rust-

How many pleats have you seen with rust flaking off the grid? The Purolator expanded metal pleat support grid is made of galvanized steel for maximum rust resistance. The metal grid maintains pleat shape and prevents fluttering in operation. Consistent pleat shape minimizes resistance and improves dirt loading characteristics throughout the life of the filter.

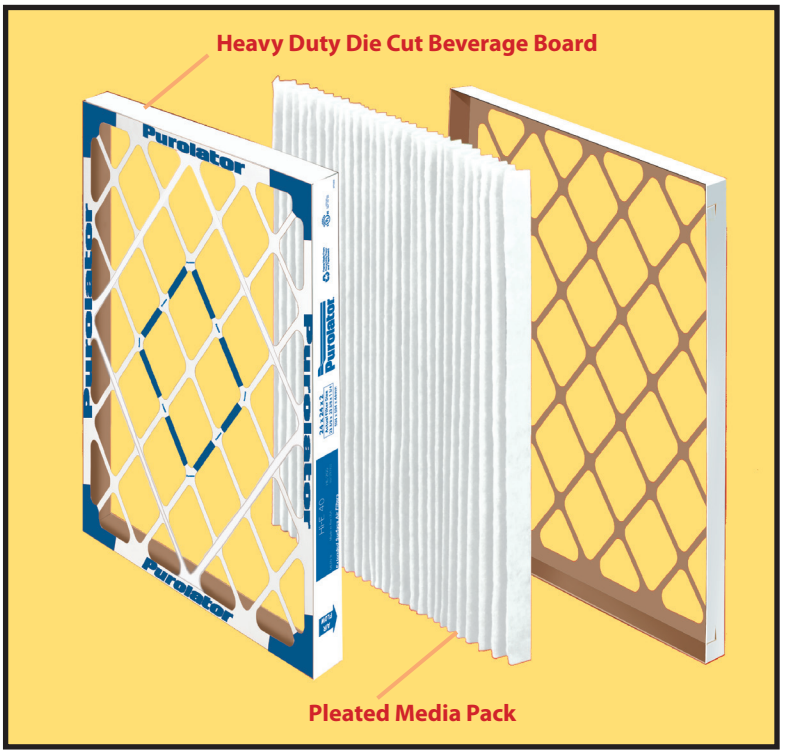
Consistently Produced

Uniform Pleat Shape - Holds More Dirt -

Consistent pleat shape produces optimum performance. Sophisticated production control techniques assure consistent pleat count, pleat height, pleat shape and spacing.

100% Adhesive Application - Assures Filter Integrity -

The inside of the die cut frame is completely coated with adhesive to assure a solid bond at all points of contact. The die cut boxes are bonded to each other. The media pack is sealed inside the frame and the pleat tips are bonded to the diagonal support members.



Two mating pieces of die cut beverage board form a double wall frame around all four edges of the filter. Hi-E 40 filters will not rack or warp under normal operating conditions.

Competitively Priced

Ask your Purolator representative for a quote today.

Largest Inventory

(Nobody stocks more pleats than Purolator.)

We know ready availability is critical to meeting your needs for clean air... on time. All our Distribution Centers are kept fully stocked with pleats the year round.

Compare

The performance and value of Hi-E 40 pleats to other types of filters including disposable panel filters, ring panels, pads and frames or permanent filters for efficiency, low resistance, high dust holding capacity, durability and price. The Hi-E 40 line has lower resistance levels to aid in your energy savings goals and objectives.

Hi-E® 40

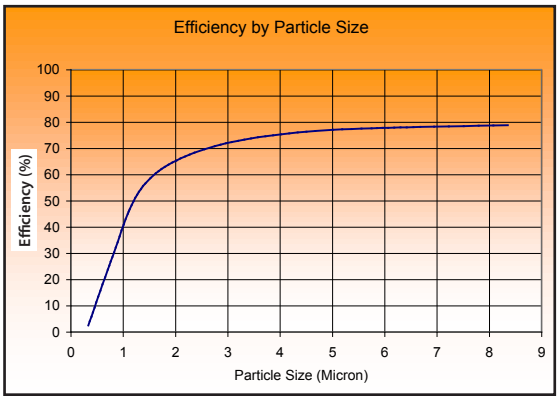
Extended Surface Pleated Filters

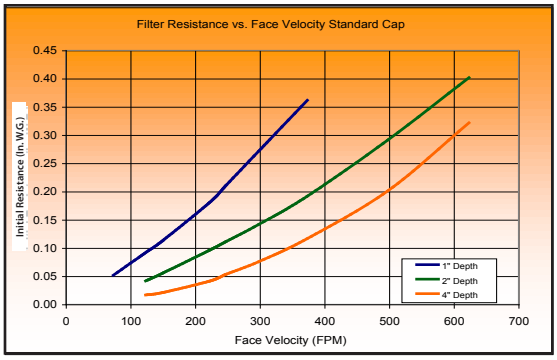
Mechanical MERV 8

Performance Data: Hi-E 40 Filters

Hi-E 40 Model Number	Nominal[1] Size W x H x D	Actual Size W x H x D	CFM[5] Capacity	Resistance InchesW.G.	TotalMedia Area/ Filter
HE40-STD1	10x10x1	9-1/2 x 9-1/2 x 3/4	210	.27	1.4
HE40-STD1	10x15x1	9-3/4 x 14-3/4 x 3/4	310	.27	2.4
HE40-STD1	10x20x1	9-1/2 x 19-1/2 x 3/4	415	.27	2.4
HE40-STD1	10x24x1	9-3/8 x 23-3/8 x 3/4	500	.27	2.8
HE40-STD1	12x12x1	11-3/4 x 11-3/4 x 3/4	300	.27	2.9
HE40-STD1	12x16x1	11-1/2 x 15-3/4 x 3/4	400	.27	2.9
HE40-STD1	12x20x1	11-1/2 x 19-1/2 x 3/4	500	.27	2.9
HE40-STD1	12x24x1	11-3/8 x 23-3/8 x 3/4	600	.27	3.4
HE40-STD1	14x14x1	13-3/4 x 13-3/4 x 3/4	410	.27	3.4
HE40-STD1	14x20x1	13-1/2 x 19-1/2 x 3/4	585	.27	3.4
HE40-STD1	14x24x1	13-3/8 x 23-3/8 x 3/4	700	.27	4.0
HE40-STD1	14x25x1	13-1/2 x 24-1/2 x 3/4	730	.27	4.2
HE40-STD1	14x30x1*	13-3/4 x 29-3/4 x 3/4	875	.27	7.1
HE40-STD1	15x20x1	14-1/2 x 19-1/2 x 3/4	625	.27	3.6
HE40-STD1	15x30x1*	14-3/4 x 29-3/4 x 3/4	935	.27	7.2
HE40-STD1	16x16x1	15-1/2 x 15-1/2 x 3/4	530	.27	3.8
HE40-STD1	16x20x1	15-1/2 x 19-1/2 x 3/4	665	.27	3.8
HE40-STD1	16x24x1	15-3/8 x 23-3/8 x 3/4	800	.27	4.6
HE40-STD1	16x25x1	15-1/2 x 24-1/2 x 3/4	835	.27	4.8
HE40-STD1	16x30x1*	15-3/4 x 29-3/4 x 3/4	1000	.27	7.2
HE40-STD1	18x18x1	17-3/4 x 17-3/4 x 3/4	675	.27	4.1
HE40-STD1	18x20x1	17-3/8 x 19-1/2 x 3/4	750	.27	4.1
HE40-STD1	18x22x1	17-3/8 x 21-1/2 x 3/4	825	.27	4.8
HE40-STD1	18x24x1	17-1/2 x 23-3/8 x 3/4	900	.27	4.8
HE40-STD1	18x25x1	17-1/2 x 24-1/2 x 3/4	935	.27	5.4
HE40-STD1	20x20x1	19-1/2 x 19-1/2 x 3/4	830	.27	4.8
HE40-STD1	20x22x1	19-3/4 x 21-3/4 x 3/4	915	.27	5.7
HE40-STD1	20x24x1	19-3/8 x 23-3/8 x 3/4	1000	.27	5.7
HE40-STD1	20x25x1	19-1/2 x 24-1/2 x 3/4	1040	.27	6.0
HE40-STD1	20x30x1*	19-1/2 x 29-1/2 x 3/4	1250	.27	7.2
HE40-STD1	22x22x1	21-3/4 x 21-3/4 x 3/4	1005	.27	6.0
HE40-STD1	24x24x1	23-3/8 x 23-3/8 x 3/4	1200	.27	6.6
HE40-STD1	24x30x1*	23-3/4 x 29-3/4 x 3/4	1500	.27	7.2
HE40-STD1	25x25x1	24-1/2 x 24-1/2 x 3/4	1300	.27	7.5
HE40-STD2	10x20x2	9-1/2 x 19-1/2 x 1-3/4	695	.29	4.7
HE40-STD2	12x12x2	11-3/4 x 11-3/4 x 1-3/4	500	.29	5.2
HE40-STD2	12x20x2	11-1/2 x 19-1/2 x 1-3/4	830	.29	5.2
HE40-STD2	12x24x2	11-3/8 x 23-3/8 x 1-3/4	1000	.29	6.2
HE40-STD2	14x20x2	13-1/2 x 19-1/2 x 1-3/4	970	.29	5.7
HE40-STD2	14x25x2	13-1/2 x 24-1/2 x 1-3/4	1215	.29	7.1
HE40-STD2	15x20x2	14-1/2 x 19-1/2 x 1-3/4	1040	.29	6.3
HE40-STD2	16x16x2	15-3/4 x 15-3/4 x 1-3/4	890	.29	6.7
HE40-STD2	16x20x2	15-1/2 x 19-1/2 x 1-3/4	1110	.29	6.7
HE40-STD2	16x24x2	15-3/8 x 23-3/8 x 1-3/4	1330	.29	8.0
HE40-STD2	16x25x2	15-1/2 x 24-1/2 x 1-3/4	1390	.29	8.0
HE40-STD2	18x18x2	17-3/4 x 17-3/4 x 1-3/4	1125	.29	7.8
HE40-STD2	18x20x2	17-1/2 x 19-1/2 x 1-3/4	1250	.29	7.8
HE40-STD2	18x22x2	17-1/2 x 21-1/2 x 1-3/4	1375	.29	9.3
HE40-STD2	18x24x2	17-3/8 x 23-3/8 x 1-3/4	1500	.29	9.3
HE40-STD2	18x25x2	17-1/2 x 24-1/2 x 1-3/4	1560	.29	9.7
HE40-STD2	20x20x2	19-1/2 x 19-1/2 x 1-3/4	1390	.29	8.3
HE40-STD2	20x24x2	19-3/8 x 23-3/8 x 1-3/4	1665	.29	9.9
HE40-STD2	20x25x2	19-1/2 x 24-1/2 x 1-3/4	1735	.29	10.3
HE40-STD2	20x30x2*	19-1/2 x 29-1/2 x 1-3/4	2080	.29	13.0
HE40-STD2	24x24x2	23-3/8 x 23-3/8 x 1-3/4	2000	.29	11.7
HE40-STD2	25x25x2	24-1/2 x 24-1/2 x 1-3/4	2170	.29	13.6
HE40-STD4	12x24x4	11-3/8 x 23-3/8 x 3-3/4	1000	.20	11.2
HE40-STD4	16x20x4	15-1/2 x 19-1/2 x 3-3/4	1110	.20	14.8
HE40-STD4	16x25x4	15-1/2 x 24-1/2 x 3-3/4	1390	.20	12.5
HE40-STD4	18x24x4	17-3/8 x 23-3/8 x 3-3/4	1500	.20	16.2
HE40-STD4	20x20x4	19-1/2 x 19-1/2 x 3-3/4	1390	.20	15.7
HE40-STD4	20x24x4	19-3/8 x 23-3/8 x 3-3/4	1665	.20	18.7
HE40-STD4	20X25X4	19-1/2 x 24-1/2 x 3-3/4	1735	.20	19.6
HE40-STD4	24X24X4	23-3/8 x 23-3/8 x 3-3/4	2000	.20	22.4

* Reverse Pleat





Underwriters Laboratories, Inc. Classification: Hi-E 40 filters are classified U.L. Class 2 per U.L. Standard 900.

Operating Temperature Limit: Maximum operating temperature is 225°F (107°C).

Pleat Count -	1"	2"	4"
	(Pleats per foot)		
Hi-E 40 -	12.0	10.0	9.0

1. Width and height dimensions are interchangeable. The Hi-E 40 may be installed with pleats vertical or horizontal.
2. Rated Efficiency: Hi-E 40 filters are rated MERV 8 per AHRAE 52.2-2007. Data based on 24x24 size atatest velocity of 295 or 492 FPM.
3. Hi-E 40 filters have a MERV 8 performance before and after a conditioning step. MERV-A 8-A per ASHRAE 52.2-2007 Appendix J.
4. Rated Air Velocity: 1" @300 FPM, 2" and 4" @500 FPM.
5. Final Resistance 1.0" W.G.

P-HIESTAND-510

Purolator™

CLARCOR Air Filtration Products

ISO - 9001:2000 QUALITY SYSTEM
UL CERTIFICATE 10001663 QM

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