

Final Filter Energy Cost Index Analysis (MERV 9 thru 17)



Camfil Farr Durafil® 4V (MERV 11)
 Camfil Farr Durafil 4V (MERV 13)
 Camfil Farr Durafil 4V (MERV 14)
 Camfil Farr Hi-Flo M11 24/24/30/8 (MERV 11)
 Camfil Farr Hi-Flo M11 24/24/30/10 (MERV 11)

Camfil Farr Hi-Flo M11 24/24/32/12 (MERV 11)
 Camfil Farr Hi-Flo M11 24/24/36/8 (MERV 11)
 Camfil Farr Hi-Flo M13 24/24/30/6 (MERV 13)
 Camfil Farr Hi-Flo M13 24/24/30/8 (MERV 13)
 Camfil Farr Hi-Flo M13 24/24/30/10 (MERV 13)

Camfil Farr Hi-Flo M13 24/24/32/12
 Camfil Farr Hi-Flo M13 24/24/36/6
 Camfil Farr Hi-Flo M13 24/24/36/8
 Camfil Farr Hi-Flo M14 24/24/30/8
 Camfil Farr Hi-Flo M14 24/24/30/10

Camfil Farr Hi-Flo M14 24/24/32/12
 Camfil Farr Hi-Flo M14 24/24/36/8
 Airguard Vari-Plus 85G-MC (MERV 13)
 Precisionaire SuperFlow V-85 (MERV 13)

The filters in the above category represent the most efficient in the industry.

Average annual energy cost for filters in this category is **\$56.00 per filter** based upon full time operation, 10¢ per kWh and 60% fan efficiency.



Camfil Farr Aeropac® 3HCP8 M13 (MERV 13)
 Camfil Farr Aeropac 3HCP8 M14 (MERV 14)
 Camfil Farr Durafil 2V M11 (MERV 11)
 Camfil Farr Durafil 2V M13 (MERV 13)
 Camfil Farr E Series Riga-Flo® (MERV 11)
 Camfil Farr E Series Riga-Flo (MERV 13)
 Camfil Farr E Series Riga-Flo (MERV 14)
 Camfil Farr Hi-Flo M11 24/24/15/12 (MERV 11)
 Camfil Farr Hi-Flo M11 24/24/22/6 (MERV 11)
 Camfil Farr Hi-Flo M11 24/24/22/8 (MERV 11)
 Camfil Farr Hi-Flo M11 24/24/22/10 (MERV 11)
 Camfil Farr Hi-Flo M11 24/24/30/6 (MERV 11)
 Camfil Farr Hi-Flo M11 24/24/36/6 (MERV 11)

Camfil Farr Hi-Flo M13 24/24/15/12 (MERV 13)
 Camfil Farr Hi-Flo M13 24/24/22/6 (MERV 13)
 Camfil Farr Hi-Flo M13 24/24/22/8 (MERV 13)
 Camfil Farr Hi-Flo M13 24/24/22/10 (MERV 13)
 Camfil Farr Hi-Flo M14 24/24/15/12 (MERV 14)
 Camfil Farr Hi-Flo M14 24/24/22/6 (MERV 14)
 Camfil Farr Hi-Flo M14 24/24/22/8 (MERV 14)
 Camfil Farr Hi-Flo M14 24/24/22/10 (MERV 14)
 Camfil Farr Hi-Flo M14 24/24/30/30/6 (MERV 14)
 Camfil Farr Hi-Flo M14 24/24/36/6 (MERV 14)
 Camfil Farr P Series Riga-Flo M11 (MERV 11)
 Camfil Farr P Series Riga-Flo M13 (MERV 13)
 Camfil Farr P Series Riga-Flo M14 (MERV 14)

Camfil Farr Riga-Flo M9 (MERV 9)
 Camfil Farr Riga-Flo M11 (MERV 11)
 Camfil Farr Riga-Flo M13 (MERV 13)
 Camfil Farr Riga-Flo M14 (MERV 14)
 Camfil Farr Riga-V M11 (MERV 11)
 Camfil Farr Riga-V M13 (MERV 13)
 Airguard Vari+85G-M11
 Airguard Vari+85G-M13
 Airguard Vari+95G-M14
 Airguard Vari+98M15
 Airguard Venti-Pak 95G 24x24x22 8P (MERV 14)
 American Air Filter RigiFil 55-M10
 American Air Filter Varicel V 70 (MERV 11)
 American Air Filter Varicel V 80 (MERV 13)

American Air Filter Varicel V 95 (MERV 14)
 Filtration Group FP-75-M12
 Filtration Group FP-85-M13
 Filtration Group FP-95-M14
 Koch DuraMax 95-M14
 Precisionaire SuperFlowV-95-M14
 Purolator Aeroceel 95G (MERV 14)
 Purolator PrecisionPak 85G 24x24x22 8P (MERV 13)
 Purolator PrecisionPak 95G 24x24x22 8P (MERV 14)
 Viledon F50 24x214x26 10P (MERV 10)
 Viledon MV65-M11 (MERV 11)
 Viledon MV85-M13 (MERV 13)
 Viledon MX98-M15 DSGP

Also superior performers, 4-star rated filters offer good value for your filtration investment dollar.

Average annual energy cost for filters in this category is **\$95.00 per filter** based upon full time operation, 10¢ per kWh and 60% fan efficiency.



Airguard Cleanpak 95S 24x24x22 6P
 Airguard Cleanpak 95S 24x24x22 8P
 Camfil Farr Aeropac 3HCP8 M11 (MERV 11)
 Camfil Farr Durafil 2V M14 (MERV 14)
 Camfil Farr Riga-V M14 (MERV 14)
 American Air Filter Dri-Pak 2000 90S 24x24x21 8P
 American Air Filter Riga-fil II 90S (MERV 14)
 American Air Filter Varicel 65 (MERV 11)

American Air Filter Varicel 85 (MERV 13)
 American Air Filter Varicel 95 (MERV 14)
 Airguard Variflow VMB-804 (MERV 13)
 Airguard Variflow SC-604 (MERV 11)
 Airguard Vari+ 95G (MERV 14)
 Airguard Vari+ 95S (MERV 14)
 Filtration Group Titan FP90 (MERV 14)
 Glasfloss Puarcel II 90 (MERV 14)
 Glasfloss Z-Pak 95S (MERV 14)

Koch E-Box SB95 (MERV 14)
 Koch Multi-Flo 95G (MERV 14)
 Precisionaire PrecisionPak 85G 24x24x15 12P
 Precisionaire PrecisionPak 95S 24x24x22 8P
 Purolator Aero-Cell Defiant 95S (MERV 14)
 Purolator FacetPak 95G 24x24x22 8P
 Purolator Defiant D85 24x24x22 8P
 Purolator Defiant D95 24x24x22 8P
 Purolator ServaPak 95S 24x24x22 8P

Purolator ServaPak 95S 24x24x22 6P
 Tri-Dim SynPak XLII 24x24x26 8P (MERV 15)
 Tri-Dim SynPak M15 24x24x22 6P (MERV 15)
 Tri-Dim Tri-Cell 95S MERV 14
 Viledon MF-90 24x24x26 8
 Viledon T-60 24x24x26 8P (MERV 8)
 Viledon MV-95 (MERV 14)

The 3-star category includes average industry performers.

Average annual energy cost for filters in this category is **\$132.00 per filter** based upon full time operation, 10¢ per kWh and 60% fan efficiency.



Daifco DB-85S 24x24x21 6P
 Filtration Group Aerostar 95G (MERV 14)

Filtration Group Aerostar 95S (MERV 14)
 Filtration Group Titan FP80 (MERV 13)

Koch Multi-Flo 95S (MERV 14)
 Precisionaire Rigid-Pak 95S (MERV 14)

Average annual energy cost for filters in this category is **\$181.00 per filter** based upon full time operation, 10¢ per kWh and 60% fan efficiency.



Airguard Varipak RS904 (MERV 14)
 Fiberbond MW-95S 20x20x15 9P

Filtration Group SoniQ 95S 24x24x21 8P
 Precisionaire 85G 20x20x15 9P

Viledon Mini 75 (MERV 12)
 Viledon MR90 (MERV 14)
 Viledon MX100 (MERV 16)

Average annual operating cost for filters in this category is **\$227.00 per filter** based upon full time operation, 10¢ per kWh and 60% fan efficiency.

Rigid filters listed are 12" deep models unless otherwise noted. For specific ECI information for other filter depths contact Camfil Farr.

Listed products are trade names of the respective companies.

Air Power Equation: Power (horsepower) = (Q)(TP)/(df) divided by (h)(6356), where Volumetric Flow Rate "Q," stated in ft³/min (cubic feet per minute); Total Pressure (resistance across filter) "TP" stated in inches of water (H₂O); Density factor of the gas being collected "df" (dimensionless); Efficiency of the fan, "(dimensionless)". Then Kilowatt Hours = Horsepower X .746 X Operating Hours, and Operating Costs = Kilowatt Hours X Energy Cost Per kWh.

Camfil Farr's new Energy Cost Index is an easy way to compare the energy efficiency of our filters and a competitors' filter so you can choose the one that offers the best value. Based upon a five star scale, the Energy Cost Index is an indicator of what a filter will cost over its lifetime. The best rating — five stars — indicates that the filter is one of the most energy-efficient, longest-lasting filters available. Five stars should be your selection if you are seeking the most cost-effective filter. The Energy Cost Index value is calculated using life cycle cost modeling software that has been used and validated with real-life testing for over 15 years. The calculated value is then converted into a star rating with the highest star value translating to the lowest energy consumption. For updated listings be sure to check www.camfilfarr.com.