

## Return Grille Media Air Filter



The Return Grille Filter provides a high efficiency, long life alternative to a 1" filter. Our patented design, unique to the industry, captures a significant amount of the airborne particles, in the air that circulates through the filter.

- Mounts in most return filter grilles.
- Pleated for greater media capacity.
- Low pressure drop provides a comfortable air flow.
- Maintains equipment efficiency longer than standard filters.
- FC40 is MERV 10.
- FC20 is MERV 8.

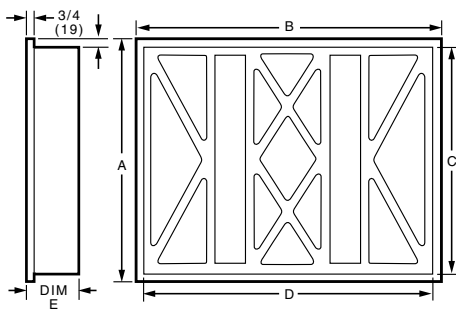
**Applications:** Return Grille  
**Type of Air Cleaner:** Media Air Cleaner

**Efficiency Standard:** Efficiency ratings are based on American Society of Heating, Refrigerating and Air-Conditioning Engineers Standard 52.2-1999. Efficiency ranges are defined for small particles, E1=0.3 to 1.0 microns; medium particles, E2=1.0 to 3.0 microns; and large particles, E3=3.0 to 10.0 microns.

**Fractional Efficiency:** E1=31%, E2=61%, E3=86%  
**Static Pressure Drop (in. w.c.):** 0.12 at 300FPM

Material Number	Minimum Efficiency Reporting Value (Media Filters Only)	Approximate, Dimensions	Airflow Capacity (cfm)	Airflow Capacity (m <sup>3</sup> /hr)
FC40R1003/U	MERV 10	20 in. x 20 in. (508 mm x 508 mm)	Maximum – 1150 cfm	Maximum – 1950 m <sup>3</sup> /hr
FC40R1011/U	MERV 10	20 in. x 25 in. (508 mm x 635 mm)	Maximum – 1450 cfm	Maximum – 2460 m <sup>3</sup> /hr
FC40R1029/U	MERV 10	20 in. x 30 in. (508 mm x 762 mm)	Maximum – 1800 cfm	Maximum – 3060 m <sup>3</sup> /hr
FC40R1045/U	MERV 10	14 in. x 25 in. (356 mm x 635 mm)	Maximum – 1000 cfm	Maximum – 1700 m <sup>3</sup> /hr
FC40R1052/U	MERV 10	16 in. x 20 in. (406 mm x 508 mm)	Maximum – 900 cfm	Maximum – 1530 m <sup>3</sup> /hr
FC40R1060/U	MERV 10	16 in. x 25 in. (406 mm x 635 mm)	Maximum – 1150 cfm	Maximum – 1950 m <sup>3</sup> /hr
FC40R1078/U	MERV 10	24 in. x 24 in. (610 mm x 610 mm)	Maximum – 1700 cfm	Maximum – 2890 m <sup>3</sup> /hr
FC40R1094/U	MERV 10	12 in. x 12 in. (305 mm x 305 mm)	Maximum – 350 cfm	Maximum – 590 m <sup>3</sup> /hr
FC40R1102/U	MERV 10	14 in. x 14 in. (356 mm x 356 mm)	Maximum – 500 cfm	Maximum – 850 m <sup>3</sup> /hr
FC40R1110/U	MERV 10	14 in. x 20 in. (356 mm x 508 mm)	Maximum – 750 cfm	Maximum – 1270 m <sup>3</sup> /hr
FC40R1128/U	MERV 10	14 in. x 24 in. (356 mm x 610 mm)	Maximum – 950 cfm	Maximum – 1610 m <sup>3</sup> /hr
FC40R1136/U	MERV 10	18 in. x 24 in. (457 mm x 610 mm)	Maximum – 1250 cfm	Maximum – 2120 m <sup>3</sup> /hr
FC40R1144/U	MERV 10	20 in. x 24 in. (508 mm x 610 mm)	Maximum – 1400 cfm	Maximum – 2380 m <sup>3</sup> /hr
FC40R1169/U	MERV 10	14 in. x 30 in. (356 mm x 762 mm)	Maximum – 1200 cfm	Maximum – 2040 m <sup>3</sup> /hr
FC40R1177/U	MERV 10	24 in. x 30 in. (610 mm x 762 mm)	Maximum – 2050 cfm	Maximum – 3480 m <sup>3</sup> /hr
FC40R1185/U	MERV 10	18 in. x 18 in. (457 mm x 457 mm)	Maximum – 950 cfm	Maximum – 850 m <sup>3</sup> /hr
FC40R1830/U	MERV 10	18 in. x 30 in. (457 mm x 762 mm)	Maximum – 1550 cfm	Maximum – 2610 m <sup>3</sup> /hr

Dimensions in inches (millimeters)



DIMENSIONS IN. (MM)

Product Numbers	Size	A	B	C	D	E
FC40R1003	20 X 20 (508 x 508)	19-3/4 (502)	19-3/4 (502)	18-1/2 (470)	18-1/2 (470)	4-3/8 (111)
FC40R1011	20 X 25 (508 x 635)	19-3/4 (502)	24-3/4 (629)	18-1/2 (470)	23-1/2 (597)	4-3/8 (111)
FC40R1029	20 X 30 (508 x 762)	19-3/4 (502)	29-3/4 (756)	18-1/2 (470)	28-1/2 (724)	4-3/8 (111)
FC40R1037	12 X 24 (305 X 610)	11-3/4 (298)	23-3/4 (603)	10-1/2 (266)	22-1/2 (571)	4-3/8 (111)
FC40R1045	14 X 25 (356 X 635)	13-3/4 (349)	24-3/4 (629)	12-1/2 (317)	23-1/2 (596)	4-3/8 (111)
FC40R1052	16 X 20 (406 X 508)	15-3/4 (400)	19-3/4 (502)	14-1/2 (368)	18-1/2 (470)	4-3/8 (111)
FC40R1060	16 X 25 (406 X 635)	15-3/4 (400)	24-3/4 (629)	14-1/2 (368)	23-1/2 (596)	4-3/8 (111)
FC40R1078	24 X 24 (610 X 610)	23-3/4 (603)	23-3/4 (603)	22-1/2 (571)	22-1/2 (571)	4-3/8 (111)
FC40R1094	12 X 12 (305 X 305)	11-3/4 (298)	11-3/4 (298)	10-1/2 (266)	10-1/2 (266)	4-3/8 (111)
FC40R1102	14 X 14 (356 X 356)	13-3/4 (349)	13-3/4 (349)	12-1/2 (317)	12-1/2 (317)	4-3/8 (111)
FC40R1110	14 X 20 (356 X 508)	13-3/4 (349)	19-3/4 (502)	10-1/2 (266)	18-1/2 (470)	4-3/8 (111)
FC40R1128	14 X 24 (356 X 610)	13-3/4 (349)	23-3/4 (603)	12-1/2 (317)	22-1/2 (571)	4-3/8 (111)
FC40R1136	18 X 24 (457 X 610)	17-3/4 (451)	23-3/4 (603)	16-1/2 (419)	22-1/2 (571)	4-3/8 (111)
FC40R1144	20 X 24 (508 X 610)	19-3/4 (502)	23-3/4 (603)	18-1/2 (470)	22-1/2 (571)	4-3/8 (111)
FC40R1169	14 X 30 (356 X 762)	13-3/4 (349)	29-3/4 (756)	12-1/2 (317)	28-1/2 (724)	4-3/8 (111)
FC40R1177	24 X 30 (610 X 762)	23-3/4 (603)	29-3/4 (756)	22-1/2 (571)	28-1/2 (724)	4-3/8 (111)
FC40R1185	18 X 18 (457 X 457)	17-3/4 (451)	17-3/4 (451)	16-1/2 (419)	16-1/2 (419)	4-3/8 (111)
FC40R1830	18 X 30 (457 X 762)	17-3/4 (451)	29-3/4 (756)	16-1/2 (419)	28-1/2 (724)	4-3/8 (111)

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Indoor Air Quality