

### 4205FF Eggcrate Return Filter Grille

6" Diameter Inlet Ak .840	CFM	100	150	200	225	250	275	300
	NC	<20	<20	<20	22	25	28	32
	Static Pressure	-0.040	-0.091	-0.162	-0.205	-0.253	-0.306	-0.364
8" Diameter Inlet Ak .930	CFM	150	200	250	300	400	500	600
	NC	<20	<20	<20	<20	24	30	36
	Static Pressure	-0.029	-0.051	-0.080	-0.115	-0.205	-0.320	-0.460
10" Diameter Inlet Ak 1.035	CFM	400	500	600	700	800	900	1000
	NC	<20	<20	23	27	31	35	39
	Static Pressure	-0.084	-0.131	-0.189	-0.257	-0.335	-0.424	-0.524
12" Diameter Inlet Ak 1.175	CFM	500	600	700	800	1000	1200	1400
	NC	<20	<20	<20	22	27	32	38
	Static Pressure	-0.063	-0.091	-0.124	-0.162	-0.253	-0.364	-0.495
14" Diameter Inlet Ak 1.330	CFM	800	900	1000	1200	1400	1600	1800
	NC	<20	<20	20	24	27	31	35
	Static Pressure	-0.087	-0.110	-0.136	-0.196	-0.267	-0.349	-0.442
16" Diameter Inlet Ak 1.520	CFM	800	1000	1200	1400	1800	2200	2600
	NC	<20	<20	<20	21	27	33	39
	Static Pressure	-0.051	-0.080	-0.115	-0.157	-0.259	-0.387	-0.540

### 4260FF Stamped-Face Return Filter Grille

6" Diameter Inlet Ak .730	CFM	100	150	200	225	250	275	300
	NC	<20	<20	21	24	27	30	32
	Static Pressure	-0.057	-0.127	-0.226	-0.287	-0.354	-0.428	-0.509
8" Diameter Inlet Ak .795	CFM	150	200	250	300	400	500	550
	NC	<20	<20	<20	<20	25	31	36
	Static Pressure	-0.040	-0.072	-0.112	-0.161	-0.287	-0.448	-0.542
10" Diameter Inlet Ak .880	CFM	300	400	500	600	700	800	850
	NC	<20	<20	<20	24	28	33	35
	Static Pressure	-0.066	-0.117	-0.183	-0.264	-0.359	-0.469	-0.530
12" Diameter Inlet Ak .980	CFM	400	500	600	700	800	1000	1200
	NC	<20	<20	<20	<20	22	28	34
	Static Pressure	-0.057	-0.088	-0.127	-0.173	-0.226	-0.354	-0.509
14" Diameter Inlet Ak 1.105	CFM	600	700	800	1000	1200	1400	1600
	NC	<20	<20	<20	20	24	28	34
	Static Pressure	-0.069	-0.094	-0.122	-0.191	-0.275	-0.374	-0.489
16" Diameter Inlet Ak 1.240	CFM	800	1000	1200	1600	1800	2000	2200
	NC	<20	<20	<20	25	28	31	36
	Static Pressure	-0.072	-0.112	-0.161	-0.287	-0.363	-0.448	-0.542

### 4212FF Perforated Return Filter Grille

6" Diameter Inlet Ak .885	CFM	100	125	150	175	200	225	250
	NC	<20	<20	<20	<20	<20	21	23
	Static Pressure	-0.081	-0.126	-0.182	-0.248	-0.323	-0.409	-0.505
8" Diameter Inlet Ak .935	CFM	150	200	250	300	350	400	450
	NC	<20	<20	<20	<20	21	24	27
	Static Pressure	-0.058	-0.102	-0.160	-0.230	-0.313	-0.409	-0.518
10" Diameter Inlet Ak .990	CFM	200	250	300	400	500	600	700
	NC	<20	<20	<20	<20	<20	23	27
	Static Pressure	-0.042	-0.065	-0.094	-0.168	-0.262	-0.377	-0.513
12" Diameter Inlet Ak 1.065	CFM	400	500	600	700	800	900	1000
	NC	<20	<20	<20	<20	21	24	26
	Static Pressure	-0.081	-0.126	-0.182	-0.248	-0.323	-0.409	-0.505
14" Diameter Inlet Ak 1.150	CFM	400	500	600	800	1000	1200	1400
	NC	<20	<20	<20	<20	<20	24	27
	Static Pressure	-0.044	-0.068	-0.098	-0.175	-0.273	-0.393	-0.535
16" Diameter Inlet Ak 1.250	CFM	650	800	950	1100	1250	1550	1850
	NC	<20	<20	<20	<20	<20	23	27
	Static Pressure	-0.068	-0.102	-0.144	-0.193	-0.250	-0.384	-0.547

### 4290FF Bar-Type Return Filter Grille

6" Diameter Inlet Ak .880	CFM	100	125	150	175	200	250	275
	NC	<20	<20	<20	<20	<20	23	27
	Static Pressure	-0.073	-0.114	-0.164	-0.223	-0.291	-0.455	-0.550
8" Diameter Inlet Ak .935	CFM	200	250	300	350	400	450	500
	NC	<20	<20	<20	<20	22	25	30
	Static Pressure	-0.092	-0.144	-0.207	-0.282	-0.368	-0.466	-0.576
10" Diameter Inlet Ak 1.000	CFM	400	450	500	550	600	650	700
	NC	<20	<20	<20	<20	20	23	25
	Static Pressure	-0.151	-0.191	-0.236	-0.285	-0.340	-0.398	-0.462
12" Diameter Inlet Ak 1.085	CFM	500	600	700	800	900	1000	1100
	NC	<20	<20	<20	<20	22	25	29
	Static Pressure	-0.114	-0.164	-0.223	-0.291	-0.368	-0.455	-0.550
14" Diameter Inlet Ak 1.185	CFM	600	800	1000	1200	1300	1400	1500
	NC	<20	<20	<20	21	23	26	29
	Static Pressure	-0.088	-0.157	-0.245	-0.354	-0.415	-0.481	-0.562

**Notes:**

1. All performance was determined from testing in accordance with ASHRAE Standard 70-1991 in an ADC-certified testing laboratory.
2. Total and static pressures are given in inch w.c.
3. NC values are given for a typical office (12 feet wide x 12 feet long x 9 feet high) as determined from the octave band sound power levels in accordance with ARI Standard 885.
4. Throw distances (measured in feet) are listed for isothermal conditions with terminal velocities of 150 FPM, 100 FPM and 50 FPM, respectively.
5. Area factor (Ak) determined with an Alnor 2220 probe.
6. Data based on units without opposed-blade dampers.
7. Return filter grille tests performed with standard 1-inch fiberglass filter (by others) in place.