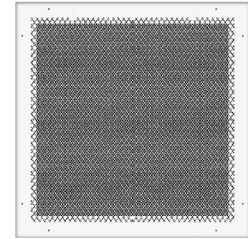


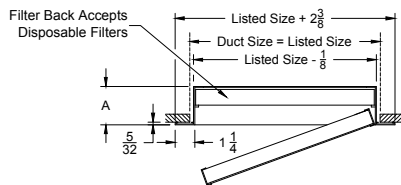
MODEL RPF

The RPF series of perforated filter grilles is designed to blend into the ceiling system and provide a clean, uncluttered architectural appearance. The RPF series is available in aluminum (RPF) and steel (SRPF) construction.

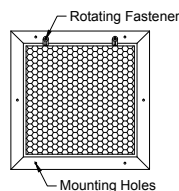


- Optional stainless steel construction
- Hinged face for easy access to the filter
- Optional fully removable face
- Standard 1" filter rack
- Optional 2" filter rack

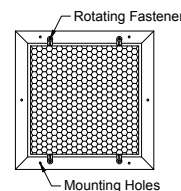
Model: □ RPF-1 (Return Grille - Surface Mount)



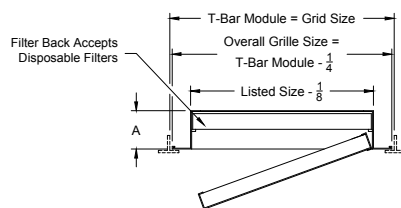
Face view



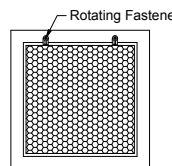
Face view Removable Face



Model: □ RPF-6 (Return Grille - Lay in T-Bar)



Face view

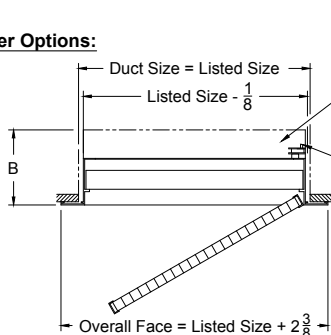


Lay-in T-Bar Modules for RPF - 6	
24 x 24	48 x 24
Listed Sizes	
22 x 22	46 x 22
Overall Dimensions W x H	
23 3/4 x 23 3/4	47 3/4 x 23 3/4

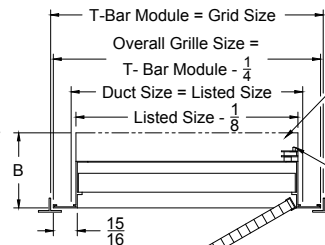
Disposable Filter Thickness	Dimension A
1	2 7/16
2	3 7/16

Disposable Filter Thickness	Dimension B
1	3 15/16
2	4 15/16

Damper Options:



Options:
OBDA OR OBDA
Opposed Blade Damper
 Damper Operator (Screwdriver Slot)



Options:
Opposed Blade Damper
 Damper Operator (Screwdriver Slot)

□ TR (A)/TR Deep (B) Transition Square/
 Rectangular To Round

SERIES RPF SPECIFICATIONS

RETURN FILTER GRILLE — PERFORATED — ALUMINUM/STEEL — MODELS RPF/SRPF

- Air inlets shall be model RPF/SRPF manufactured by METALAIRE. Units shall be perforated face return filter or exhaust grilles of aluminum (RPF) or steel (SRPF) construction. The units shall include a hinged face and integral frame designed to accept a 1" thick (optional 2" thick) filter. The grille face shall be secured in place with thumb latches. The units shall be the size and quantity as outlined in the plans and specifications. The border shall be 1 1/4" wide with a perforated face of 3/16" diameter holes on 1/4" center for a 51% free area. Units shall be designed for surface mounting with countersunk screw holes on the face of the device or T-bar Lay-in applications.
- Optional opposed blade damper shall be constructed of steel (Model OBD) or aluminum (Model OBDA).
- Damper must be operable from the face of the register.

Performance Specification

The manufacturer shall provide published performance data. Data shall be tested in accordance to ANSI/ASHRAE Standard 70-2006.

Paint Specification

Process shall be anodic electro-deposition using an anodic acrylic paint. Units shall undergo pre-treatment including a pressurized spray stage using an alkaline cleaner and a de-ionized water rinse.

RPF MODEL NUMBER SPECIFICATION

PERFORATED FILTER GRILLE — ALUMINUM/STEEL

Model		Neck											
RPF-1	Aluminum Surface Mount		6	8	10	12	14	16	18	20	22	24	26
SRPF-1	Steel Surface Mount	4	X	X	X	X	X	X	X	X	X	X	X
		5	X	X	X	X	X	X	X	X	X	X	X
		6	X	X	X	X	X	X	X	X	X	X	X
		8	X	X	X	X	X	X	X	X	X	X	X
		10	X	X	X	X	X	X	X	X	X	X	X
		12	X	X	X	X	X	X	X	X	X	X	X
		14	X	X	X	X	X	X	X	X	X	X	X
		16	X	X	X	X	X	X	X	X	X	X	X
		18	X	X	X	X	X	X	X	X	X	X	X
		20	X	X	X	X	X	X	X	X	X	X	X
		22	X	X	X	X	X	X	X	X	X	X	X
		24	X	X	X	X	X	X	X	X	X	X	X
		26	X	X	X	X	X	X	X	X	X	X	X
		28	X	X	X	X	X	X	X	X	X	X	X
		30	X	X	X	X	X	X	X	X	X	X	X
		32	X	X	X	X	X	X	X	X	X	X	X
		34	X	X	X	X	X	X	X	X	X	X	X
		36	X	X	X	X	X	X	X	X	X	X	X

Available Finishes		Available Accessories	
Standard		OBD	Steel Opposed Blade Damper
01	White	OBDA	Aluminum Opposed Blade Damper
Optional		PF	Plaster Frame
02	Satin Silver	LIPF	Lay-in Plaster Frame
03	Black	IS	Insect Screen
24	Mill (Aluminum Construction Only)	TR	Square to Round Transition
28	Custom Color	TR Deep	Deep Square to Round Transition

Available Options	
NSH	No Screw Holes
CM	Concealed Mounting

RPF MODEL NUMBER SPECIFICATION PERFORATED FILTER GRILLE — ALUMINUM/STEEL

Model		Neck											
RPF-1	Aluminum Surface Mount		28	30	32	34	36	38	40	42	44	46	48
SRPF-1	Steel Surface Mount	4	X	X	X	X	X	X	X	X	X	X	X
		5	X	X	X	X	X	X	X	X	X	X	X
		6	X	X	X	X	X	X	X	X	X	X	X
		8	X	X	X	X	X	X	X	X	X	X	X
		10	X	X	X	X	X	X	X	X	X	X	X
		12	X	X	X	X	X	X	X	X	X	X	X
		14	X	X	X	X	X	X	X	X	X	X	X
		16	X	X	X	X	X	X	X	X	X	X	X
		18	X	X	X	X	X	X	X	X	X	X	X
		20	X	X	X	X	X	X	X	X	X	X	X
		22	X	X	X	X	X	X	X	X	X	X	X
		24	X	X	X	X	X	X	X	X	X	X	X
		26	X	X	X	X	X	X	X	X	X	X	X
		28	X	X	X	X	X	X	X	X	X	X	X
		30	X	X	X	X	X	X	X	X	X	X	X
		32	X	X	X	X	X	X	X	X	X	X	X
		34	X	X	X	X	X	X	X	X	X	X	X
		36	X	X	X	X	X	X	X	X	X	X	X

Available Finishes		Available Accessories	
Standard		OBD	Steel Opposed Blade Damper
01	White	OBDA	Aluminum Opposed Blade Damper
Optional		PF	Plaster Frame
02	Satin Silver	LIPF	Lay-in Plaster Frame
03	Black	IS	Insect Screen
24	Mill (Aluminum Construction Only)	TR	Square to Round Transition
28	Custom Color	TR Deep	Deep Square to Round Transition

Available Options	
NSH	No Screw Holes
CM	Concealed Mounting

RPF MODEL NUMBER SPECIFICATION

PERFORATED FILTER GRILLE — ALUMINUM/STEEL

Model		Neck										Module	
RPF-6	Aluminum - Lay-in		6	8	10	12	14	16	18	20	22	24	
SRPF-6	Steel - Lay-in	4	X	X									12 x 12
		6	X	X									
		8	X	X									
		10			X								24 x 12
		4	X	X	X	X	X	X	X	X			
		6	X	X	X	X	X	X	X	X			
		8	X	X	X	X	X	X	X	X			24 x 24
		10								X			
		4	X	X	X	X	X	X	X	X			
		6	X	X	X	X	X	X	X	X			24 x 24
		8	X	X	X	X	X	X	X	X			
		10	X	X	X	X	X	X	X	X			
		12	X	X	X	X	X	X	X	X			
		14	X	X	X	X	X	X	X	X			
		16	X	X	X	X	X	X	X	X			
		18	X	X	X	X	X	X	X	X			
		20	X	X	X	X	X	X	X	X			48 x 24
		22								X			
		4	X	X	X	X	X	X	X	X	X	X	
		6	X	X	X	X	X	X	X	X	X	X	
		8	X	X	X	X	X	X	X	X	X	X	
		10	X	X	X	X	X	X	X	X	X	X	
		12	X	X	X	X	X	X	X	X	X	X	
		14	X	X	X	X	X	X	X	X	X	X	
		16	X	X	X	X	X	X	X	X	X	X	
		18	X	X	X	X	X	X	X	X	X	X	
		20	X	X	X	X	X	X	X	X	X	X	

Available Finishes		Available Accessories	
Standard		OBD	Steel Opposed Blade Damper
01	White	OBDA	Aluminum Opposed Blade Damper
Optional		TBPF	T-bar Plaster Frame
02	Satin Silver	IS	Insect Screen
03	Black	TR	Square to Round Transition
24	Mill (Aluminum Construction Only)	TR Deep	Deep Square to Round Transition
28	Custom Color		

RPF MODEL NUMBER SPECIFICATION PERFORATED FILTER GRILLE — ALUMINUM/STEEL

Model		Neck											Module
RPF-6	Aluminum - Lay-in	26	28	30	32	34	36	38	40	42	44	46	
SRPF-6	Steel - Lay-in	4	X	X	X	X	X	X	X	X	X	X	48 x 24
		6	X	X	X	X	X	X	X	X	X	X	
		8	X	X	X	X	X	X	X	X	X	X	
		10	X	X	X	X	X	X	X	X	X	X	
		12	X	X	X	X	X	X	X	X	X	X	
		14	X	X	X	X	X	X	X	X	X	X	
		16	X	X	X	X	X	X	X	X	X	X	
		18	X	X	X	X	X	X	X	X	X	X	
		20	X	X	X	X	X	X	X	X	X	X	
		22										X	

Available Finishes		Available Accessories	
Standard		OBD	Steel Opposed Blade Damper
01	White	OBDA	Aluminum Opposed Blade Damper
Optional		TBPF	T-bar Plaster Frame
02	Satin Silver	IS	Insect Screen
03	Black	TR	Square to Round Transition
24	Mill (Aluminum Construction Only)	TR Deep	Deep Square to Round Transition
28	Custom Color		

SERIES RPF PERFORMANCE DATA

MODEL RPF

Size	Duct Area ft ²	Nk Vel	300	400	500	600	700	800	900	1000	1100
		Ps	-.023	-.041	-.064	-.092	-.126	-.165	-.209	-.259	-.314
06x06	.25	CFM	58	77	96	116	135	154	173	192	212
		NC	-	-	13	16	18	21	22	24	25
08x06	.33	CFM	81	107	134	161	187	214	241	267	294
		NC	-	11	15	18	20	22	24	24	27
10x06	.42	CFM	103	137	171	205	239	273	307	341	376
		NC	-	12	16	19	21	23	25	27	28
08x08	.44	CFM	112	149	186	223	260	297	334	371	409
		NC	-	13	16	19	21	24	25	27	28
12x06	.50	CFM	124	165	206	248	289	330	371	412	454
		NC	-	13	17	19	22	24	26	27	29
16x06 12x08	.67	CFM	172	229	286	343	400	457	514	571	629
		NC	-	15	18	21	23	26	27	29	30
10x10	.69	CFM	178	237	296	355	414	473	532	591	651
		NC	-	15	18	21	23	25	27	29	30
18x06	.75	CFM	190	253	316	379	442	505	568	631	695
		NC	11	15	18	21	24	26	28	29	31
24x06 12x12	1.00	CFM	265	353	441	529	617	705	793	881	970
		NC	12	16	20	23	25	27	29	31	32
30x06 18x10	1.25	CFM	334	445	556	667	778	889	1000	1111	1223
		NC	13	17	21	24	26	28	30	32	33
36x06 18x12	1.50	CFM	406	541	676	811	946	1081	1216	1351	1487
		NC	14	18	22	25	27	29	31	32	34
42x06 18x14	1.75	CFM	478	637	796	955	1114	1273	1432	1591	1751
		NC	15	19	22	25	28	30	32	33	35
24x12 18x16	2.00	CFM	547	729	911	1093	1275	1457	1639	1821	2004
		NC	15	20	23	26	28	30	32	34	35
30x12	2.50	CFM	688	917	1146	1375	1604	1833	2062	2291	2521
		NC	16	21	24	27	29	31	33	35	36
36x12	3.00	CFM	826	1101	1376	1651	1926	2201	2476	2751	3027
		NC	17	21	25	28	30	32	34	35	37
42x12 36x14	3.50	CFM	967	1289	1611	1933	2255	2577	2899	3221	3544
		NC	17	22	25	28	31	33	34	36	38
48x12 24x24	4.00	CFM	1126	1501	1876	2251	2626	3001	3376	3751	4127
		NC	18	23	26	29	31	34	35	37	38
36x20 30x24	5.00	CFM	1414	1885	2356	2827	3298	3769	4240	4711	5183
		NC	19	24	27	30	32	34	36	38	39
48x18 36x24	6.00	CFM	1699	2265	2831	3397	3963	4529	5095	5661	6228
		NC	20	24	28	31	33	35	37	39	40
48x24 36x32	8.00	CFM	2290	3053	3816	4579	5342	6105	6868	7631	8395
		NC	21	26	39	32	34	36	38	40	41

CONTINUED

SERIES RPF PERFORMANCE DATA

MODEL RPF

Size	Duct Area ft ²	Nk Vel	300	400	500	600	700	800	900	1000	1100
		Ps	-0.023	-0.041	-0.064	-0.092	-0.126	-0.165	-0.209	-0.259	-0.314
48x36	12.00	CFM	3472	4629	5786	6943	8100	9257	10414	11571	12729
		NC	23	28	31	34	36	38	40	42	43
48x48	16.00	CFM	4653	6204	7755	9306	10857	12408	13959	15510	17061
		NC	24	29	32	35	37	40	41	43	44

PERFORMANCE NOTES FOR SERIES RPF

All data is tested in accordance with ANSI/ASHRAE 70-2006.

DEFINITION OF UNITS

CFM Cubic Feet per Minute (Air)

Nk Vel Neck velocity of air stream in Feet Per Minute

Ps Negative Static pressure (inches of water column)

NC Noise criterion, Sound pressure level. NC ratings are based on sound power level (lw)

RE: 10^{-12} watts minus a 10dB room attenuation in all octave bands.