















Plastic Fan Guards - 09 Series

The 09 Series low cost plastic fan guards produced with UL 94-V0 material are designed for tubeaxial fans with design considerations given to maximize airflow with reduced noise levels. Space saving models **(Thin)** designed for 80 & 120 mm.

						
09150-G (40mm) 09250-G (60mm)	09252-G (80mm)	09080-G (80mm) Thin	09081-G (80mm)	09325-G (80mm)	09362-G (92mm)	09363-G (92mm)
						
09120-G (120mm)	09121-G (120mm)	09122-G (120mm) Thin	09123-G (120mm)	09450-G (120mm)	09650-G (150mm)	09651-G (150mm)

Part Number	For Use With Fan Size		Mounting Hole Centers		Mounting Hole Dia. 4 Places		Width		Thickness	
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
09150-G	40	1 1/2	32.0	1.26	4.3	0.17	40	1.57	4.75	0.187
09250-G	60	2 1/2	50.0	1.97	4.6	0.18	60	2.36	6.30	0.250
09252-G	60	2 1/2	50.0	1.97	4.4	0.17	60	2.36	7.00	0.275
09080-G	80	3 1/8	71.4	2.81	4.1	0.16	80	3.15	3.00	0.118
09081-G	80	3 1/8	71.5	2.81	4.0	0.16	80	3.15	7.00	0.276
09325-G	80	3 1/8	71.4	2.81	3.8	0.15	80	3.15	6.60	0.260
09362-G	92	3 5/8	82.6	3.25	3.8	0.15	92	3.62	6.60	0.260
09363-G	92	3 5/8	82.5	3.25	4.4	0.17	92	3.62	7.00	0.276
09120-G	120	4 1/2	104.8	4.13	4.6	0.18	120	4.72	6.60	0.260
09121-G	120	4 1/2	104.8	4.13	4.6	0.18	120	4.72	6.60	0.260
09122-G	120	4 1/2	104.8	4.13	4.6	0.18	120	4.72	2.50	0.100
09123-G	120	4 1/2	105.0	4.13	4.4	0.17	120	4.72	7.00	0.276
09450-G	120	4 1/2	104.7	4.12	4.5	0.18	118	4.65	7.10	0.279
09650-G	150	6.00	162.0	6.38	5.0	0.20(2)	176	6.93	8.20	0.320
09651-G	150	6.00	162.0	6.38	5.0	0.20(2)	172	6.77	7.50	0.295

Fan Silencer and Accessories

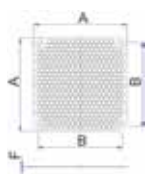
Noise is the number one problem for axial fans that are used for electronic cooling. It is generally caused by vibration between the housing and fan. To prevent this problem, we have developed a method that eliminates noise and makes mounting effortless. With the patented rubber elastic sleeves, you can fasten axial fans without screws quickly and safely with four mushroom formed pegs on a mounting plate or housing wall.

QLM Fan Vibration Sleeve



Part Number	A		B		G		Panel Thickness	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm
QLM-40-20-10	1.693	43	1.574	40	.080	2.0	.030-.049	.75-1.25
QLM-60-30-10	2.520	64	2.362	60	.080	2.0	.030-.049	.75-1.25
QLM-80-40-10	3.307	84	3.150	80	.157	4.0	.030-.049	.75-1.25
QLM-92-40-10	3.819	97	3.622	92	.157	4.0	.030-.049	.75-1.25
QLM-119-40-10	4.921	125	4.685	119	.157	4.0	.030-.049	.75-1.25

EMI Filter Shield for QLM Sleeves



Part Number	A		B		F	
	Inch	mm	Inch	mm	Inch	mm
QSB-40-01	1.654	42	1.260	32.0	.008	0.2
QSB-60-01	2.441	62	1.969	50.0	.008	0.2
QSB-80-01	3.228	82	2.815	71.5	.008	0.2
QSB-92-01	3.700	94	3.248	82.5	.008	0.2
QSB-119-01	4.764	121	4.133	105.0	.012	0.3

Plastic Fan Guards for QLM Sleeves



Part Number	A		B		G	
	Inch	mm	Inch	mm	Inch	mm
QSG-40-02	1.811	46.0	1.279	32.5	.098	2.5
QSG-60-02	2.598	66.0	1.969	50.0	.098	2.5
QSG-80-02	3.503	89.0	2.815	71.5	.098	2.5
QSG-92-02	3.976	101.0	3.248	82.5	.098	2.5
QSG-119-02	5.039	128.0	4.133	105.0	.118	3.0

Filter Media for QLM Sleeves



Part Number	A		B		D	
	Inch	mm	Inch	mm	Inch	mm
QF-40-01	1.575	40.0	1.26	32.0	.197	5.0
QF-60-01	2.362	60.0	1.969	50.0	.197	5.0
QF-80-01	3.150	80.0	2.815	71.5	.197	5.0
QF-92-01	3.622	92.0	3.248	82.5	.197	5.0
QF-119-01	4.685	119.0	4.133	105.0	.197	5.0

Rivets



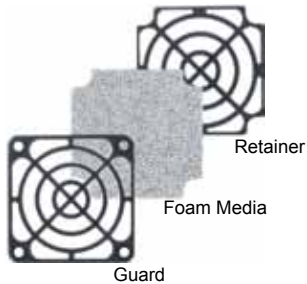
Part Number	
QLN-36-01-100	With the specially designed rivets, metal fan guard grills can be attached into the holes of the mushroom formed pegs from the fan sleeves.



Plastic Fan Filter Assemblies - 09 Series

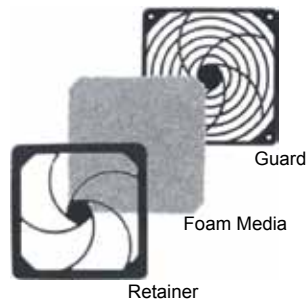
Fan-S offers a unique fan filter package consisting of a guard, foam filter media and media retainer for the removal of dust and contaminating particles with quick and simple installation.

Fig. A



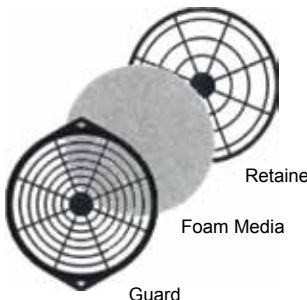
Part Number	Description	Mounting Hole Centers		Mounting Hole Diameter 4 Places		Width 4 Places		Thickness	
		mm	in.	mm	in.	mm	in.	mm	in.
40 mm - 1.50" Fig. A									
09150-F/30	Guard, Retainer, Media (30 PPI)**	32.00	1.26	4.30	.17	40.0	1.57	4.75	.187
09150-F/45	Guard, Retainer, Media (45 PPI)**	32.00	1.26	4.30	.17	40.0	1.57	4.75	.187
09150-F/60	Guard, Retainer, Media (60 PPI)**	32.00	1.26	4.30	.17	40.0	1.57	4.75	.187
09150-F/100	Guard, Retainer, Media (100 PPI)**	32.00	1.26	4.30	.17	40.0	1.57	4.75	.187
09150-M/30*	Foam Media (30 PPI)**	-	-	-	-	36.4	1.43	2.29	.090
09150-M/45*	Foam Media (45 PPI)**	-	-	-	-	36.4	1.43	2.29	.090
09150-M/60*	Foam Media (60 PPI)**	-	-	-	-	36.4	1.43	2.29	.090
09150-M/100*	Foam Media (100 PPI)**	-	-	-	-	36.4	1.43	2.29	.090
09150-G	Guard Only	32.00	1.26	4.30	.17	40.0	1.57	4.75	.180
09150-R	Retainer Only	-	-	-	-	36.4	1.43	0.90	.035

Fig. B



60 mm - 2.50" Fig. A									
09250-F/30	Guard, Retainer, Media (30 PPI)**	50.00	1.97	4.60	.18	60.0	2.36	6.30	.250
09250-F/45	Guard, Retainer, Media (45 PPI)**	50.00	1.97	4.60	.18	60.0	2.36	6.30	.250
09250-F/60	Guard, Retainer, Media (60 PPI)**	50.00	1.97	4.60	.18	60.0	2.36	6.30	.250
09250-F/100	Guard, Retainer, Media (100 PPI)**	50.00	1.97	4.60	.18	60.0	2.36	6.30	.250
09250-M/30*	Foam Media (30 PPI)**	-	-	-	-	56.6	2.23	2.77	.109
09250-M/45*	Foam Media (45 PPI)**	-	-	-	-	56.6	2.23	2.77	.109
09250-M/60*	Foam Media (60 PPI)**	-	-	-	-	56.6	2.23	2.77	.109
09250-M/100*	Foam Media (100 PPI)**	-	-	-	-	56.6	2.23	2.77	.109
09250-G	Guard Only	50.00	1.97	4.60	.18	60.0	2.36	6.35	.250
09250-R	Retainer Only	-	-	-	-	56.4	2.22	3.00	.118

Fig. C



80 mm - 3.13" Fig. B									
09325-F/30	Guard, Retainer, Media (30 PPI)**	71.37	2.81	3.81	.15	83.3	3.28	9.90	.390
09325-F/45	Guard, Retainer, Media (45 PPI)**	71.37	2.81	3.81	.15	83.3	3.28	9.90	.390
09325-F/60	Guard, Retainer, Media (60 PPI)**	71.37	2.81	3.81	.15	83.3	3.28	9.90	.390
09325-F/100	Guard, Retainer, Media (100 PPI)**	71.37	2.81	3.81	.15	83.3	3.28	9.90	.390
09325-M/30*	Foam Media (30 PPI)**	-	-	-	-	77.7	3.06	3.30	.130
09325-M/45*	Foam Media (45 PPI)**	-	-	-	-	77.7	3.06	3.30	.130
09325-M/60*	Foam Media (60 PPI)**	-	-	-	-	77.7	3.06	3.30	.130
09325-M/100*	Foam Media (100 PPI)**	-	-	-	-	77.7	3.06	3.30	.130
09325-G	Guard Only	71.37	2.81	3.81	.15	80.0	3.15	6.60	.260
09325-R	Retainer Only	-	-	-	-	83.6	3.29	9.90	.390

92 mm - 3.62" Fig. B									
09362-F/30	Guard, Retainer, Media (30 PPI)**	82.60	3.25	3.80	.15	96.3	3.79	10.10	.390
09362-F/45	Guard, Retainer, Media (45 PPI)**	82.60	3.25	3.80	.15	96.3	3.79	10.10	.390
09362-F/60	Guard, Retainer, Media (60 PPI)**	82.60	3.25	3.80	.15	96.3	3.79	10.10	.390
09362-F/100	Guard, Retainer, Media (100 PPI)**	82.60	3.25	3.80	.15	96.3	3.79	10.10	.390
09362-M/30*	Foam Media (30 PPI)**	-	-	-	-	89.8	3.54	3.30	.130
09362-M/45*	Foam Media (45 PPI)**	-	-	-	-	89.8	3.54	3.30	.130
09362-M/60*	Foam Media (60 PPI)**	-	-	-	-	89.8	3.54	3.30	.130
09362-M/100*	Foam Media (100 PPI)**	-	-	-	-	89.8	3.54	3.30	.130
09362-G	Guard Only	82.60	3.25	3.80	.15	92.2	3.63	6.60	.260
09362-R	Retainer Only	-	-	-	-	96.5	3.80	10.10	.398

120 mm - 4.50" Fig. B									
09450-F/30	Guard, Retainer, Media (30 PPI)**	104.70	4.12	4.45	.18	125.2	4.92	10.60	.420
09450-F/45	Guard, Retainer, Media (45 PPI)**	104.70	4.12	4.45	.18	125.2	4.92	10.60	.420
09450-F/60	Guard, Retainer, Media (60 PPI)**	104.70	4.12	4.45	.18	125.2	4.92	10.60	.420
09450-F/100	Guard, Retainer, Media (100 PPI)**	104.70	4.12	4.45	.18	125.2	4.92	10.60	.420
09450-M/30*	Foam Media (30 PPI)**	-	-	-	-	115.6	4.55	3.30	.130
09450-M/45*	Foam Media (45 PPI)**	-	-	-	-	115.6	4.55	3.30	.130
09450-M/60*	Foam Media (60 PPI)**	-	-	-	-	115.6	4.55	3.30	.130
09450-M/100*	Foam Media (100 PPI)**	-	-	-	-	115.6	4.55	3.30	.130
09450-G	Guard Only	104.70	4.12	4.45	.18	118.3	4.66	7.10	.280
09450-R	Retainer Only	-	-	-	-	125.2	4.93	10.60	.420

150 mm - 6.00" Fig. C									
09650-F/30	Guard, Retainer, Media (30 PPI)**	161.50	6.36	5.00(2)	.20(2)	176.00	6.93	8.20	.323
09650-F/45	Guard, Retainer, Media (45 PPI)**	161.50	6.36	5.00(2)	.20(2)	176.00	6.93	8.20	.323
09650-F/60	Guard, Retainer, Media (60 PPI)**	161.50	6.36	5.00(2)	.20(2)	176.00	6.93	8.20	.323
09650-F/100	Guard, Retainer, Media (100 PPI)**	161.50	6.36	5.00(2)	.20(2)	176.00	6.93	8.20	.323
09650-M/30*	Foam Media (30 PPI)**	-	-	-	-	149.86	5.90	3.30	.130
09650-M/45*	Foam Media (45 PPI)**	-	-	-	-	149.86	5.90	3.30	.130
09650-M/60*	Foam Media (60 PPI)**	-	-	-	-	149.86	5.90	3.30	.130
09650-M/100*	Foam Media (100 PPI)**	-	-	-	-	149.86	5.90	3.30	.130
09650-G	Guard Only	161.50	6.36	5.00(2)	.20(2)	176.00	6.93	8.20	.323
09650-R	Retainer Only	-	-	-	-	150.00	5.91	4.50	.180

* Each package contains 5 pieces

** Pores per Inch (PPI)

Fan Accessories Guide - DC Fans

Fan Series	Wire Form Fan Guard	Aluminum Fan Filters	Plastic Fan Guards	Plastic Fan Filter Assemblies	QLM Vibration Sleeve
FAD1-02510	08245				
FAD1-03010	08346				
FAD1-04010	08149		09150-G	09150-F/**	
FAD1-04020	08149		09150-G	09150-F/**	
FAD1-05010	08148				
FAD1-06020	08147	06250-B, 06250-M, 06250-SS	09250-G	09250-F/**	
FAD1-06025	08147	06250-B, 06250-M, 06250-SS	09250-G	09250-F/**	
FAD1-08015	08132, 08172	06325-B, 06325-M, 06325-SS	09252-G, 09080-G, 09081-G, 09325-G	09325-F/**	
FAD1-08015 IC	08132, 08172	06325-B, 06325-M, 06325-SS	09252-G, 09080-G, 09081-G, 09325-G	09325-F/**	
FAD1-08025	08132, 08172	06325-B, 06325-M, 06325-SS	09252-G, 09080-G, 09081-G, 09325-G	09325-F/**	QLM-80-40-10, QLM-80-40-20
FAD1-08025 IC	08132, 08172	06325-B, 06325-M, 06325-SS	09252-G, 09080-G, 09081-G, 09325-G	09325-F/**	QLM-80-40-10, QLM-80-40-20
FAD1-08032	08132, 08172	06325-B, 06325-M, 06325-SS	09252-G, 09080-G, 09081-G, 09325-G	09325-F/**	QLM-80-40-10, QLM-80-40-20
FAD1-08038	08132, 08172	06325-B, 06325-M, 06325-SS	09252-G, 09080-G, 09081-G, 09325-G	09325-F/**	QLM-80-40-10, QLM-80-40-20
FAD1-09225	08134, 08174, 08189	06362-B, 06362-M, 06362-SS	09362-G, 09363-G	09362-F/**	QLM-92-40-10, QLM-92-40-20
FAD1-09225 IC	08134, 08174, 08189	06362-B, 06362-M, 06362-SS	09362-G, 09363-G	09362-F/**	QLM-92-40-10, QLM-92-40-20
FAD1-12025	08129, 08130, 08141, 08170, 08213	06450-B, 06450-M, 06450-SS	09120-G, 09121-G, 09122-G, 09123-G, 09450-G	09450-F/**	QLM-119-50-10, QLM-119-50-20
FAD1-12032	08129, 08130, 08141, 08170, 08213	06450-B, 06450-M, 06450-SS	09120-G, 09121-G, 09122-G, 09123-G, 09450-G	09450-F/**	QLM-119-50-10, QLM-119-50-20
FAD1-12038	08129, 08130, 08141, 08170, 08213	06450-B, 06450-M, 06450-SS	09120-G, 09121-G, 09122-G, 09123-G, 09450-G	09450-F/**	QLM-119-40-10, QLM-119-40-20
FAD1-12738	08135				
FDD1-17238	08125		09651-G		
FDD1-17251	08125		09651-G		
FDD1-17251 IP56M	08125		09651-G		