

G2 & G3 PANEL FILTERS



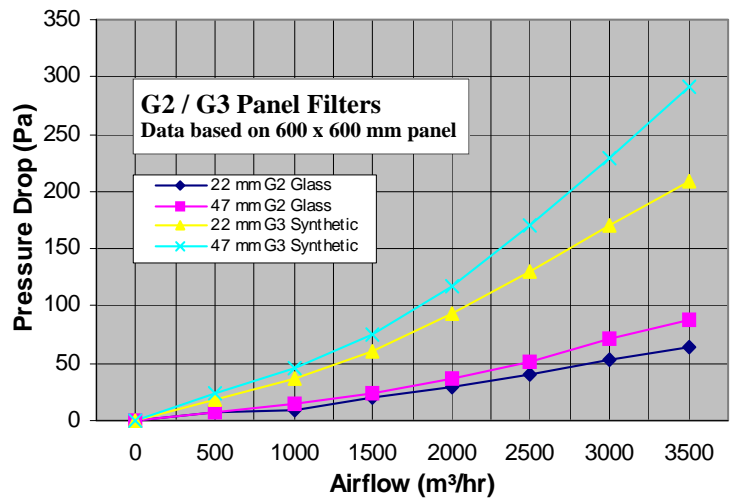
G2 Glass and G3 Synthetic disposable panel filters incorporating a pad of filter media, suitable for HVAC applications

High quality disposable filters consist of cardboard frames and lattice facings. The medium is graduated spun glass or synthetic, depending on efficiency requirements. The media is then encased within a cardboard frame.

Filter Class: G2 Glass (arrestance 65 < 80%)
Operating Temp.: Maximum 80 °C
Operating Hum.: Maximum RH 100%
Initial Resistance: 22 mm:35 Pa approx. at rated face velocity
 47 mm:50 Pa approx. at rated face velocity
Final Rec. Pa: +125 Pa on initial for 22 mm
 +150 Pa on initial for 47 mm

Filter Class: G3 Synthetic (arrestance 80 < 90%)
Operating Temp.: Maximum 80 °C
Operating Hum.: Maximum RH 100%
Initial Resistance: 22 mm:75 Pa approx. at rated face velocity
 47 mm:170 Pa approx. at rated face velocity
Final Rec. Pa: +125 Pa on initial for 22 mm
 +150 Pa on initial for 47 mm

With computerised in-house production facilities, EMCEL can manufacture G2 / G3 filter panels to any non-standard dimensions.



Rated airflows for G2 & G3 Filter Panels are based on the following face velocities:
 22 mm: 1.5 m/s
 47 mm: 2.0 m/s

Nom Size (inches)	Actual Size (mm)	Rated Air Volume (m³/hr)				Rated Air Volume (CFM)			
		G2		G3		G2		G3	
H x W	H x W	22 mm	47 mm	22 mm	47 mm	1 inch	2 inch	1 inch	2 inch
10 x 10	250 x 250	340	450	340	450	200	265	200	265
12 x 12	300 x 300	490	650	490	650	285	380	285	380
15 x 15	375 x 375	760	1010	760	1010	450	600	450	600
16 x 20	400 x 500	1080	1440	1080	1440	635	850	635	850
18 x 18	450 x 450	1080	1440	1080	1440	635	850	635	850
19 x 16	480 x 400	1040	1380	1040	1380	610	810	610	810
19 x 18	480 x 450	1170	1550	1170	1550	690	910	690	910
20 x 10	500 x 250	675	900	675	900	400	530	400	530
20 x 15	500 x 375	1010	1350	1010	1350	600	800	600	800
20 x 16	500 x 400	1080	1440	1080	1440	635	850	635	850
20 x 18	500 x 450	1200	1620	1200	1620	720	950	720	950
20 x 20	500 x 500	1350	1800	1350	1800	800	1060	800	1060
20 x 25	500 x 630	1700	2260	1700	2260	1000	1340	1000	1340
24 x 12	595 x 300	960	1280	960	1280	570	760	570	760
24 x 20	595 x 500	1600	2150	1600	2150	950	1260	950	1260
24 x 24	600 x 600	1950	2600	1950	2600	1150	1530	1150	1530
24 x 24	595 x 595	1910	2550	1910	2550	1120	1500	1120	1500
25 x 16	630 x 400	1360	1800	1360	1800	800	1070	800	1070

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Certificate No. FM 24138