

Disposable Panel Filter

M-DP



Primary Filter

Applications



Commercial Building



Industrial



General

Product Features

Operating Conditions

Continuous operating temperature: Max. 93°C
Operating relative humidity: ≤100 (%RH)



Frame

Material: Moisture-resistant cardboards
Thickness: 22mm, 44mm, 95mm



Media

Material: Non-woven and synthetic fiber with metal wire mesh



Efficiency (EN779:2012)

G4



Disposable



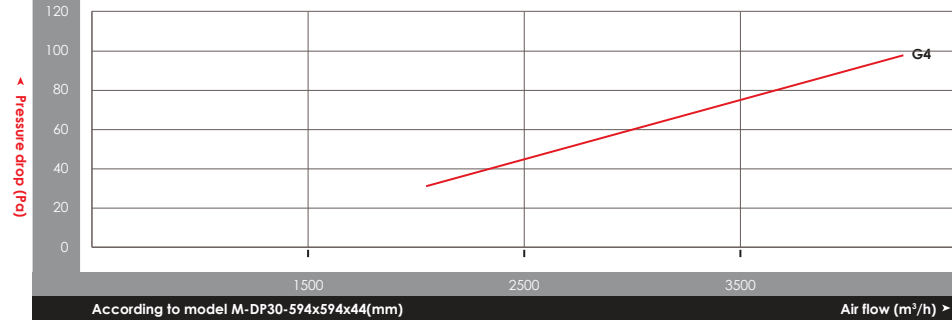
Light Weight



Low Initial Pressure Drop



Graph Of Initial Pressure Drop Versus Air Flow



Technical Data

Performance Code	Performance Grade	1.52m/s		Initial Pressure Drop 2.54m/s		3.18m/s	
		(Inches of Water)	(Pa)	(Inches of Water)	(Pa)	(Inches of Water)	(Pa)
DP30 2" 4"	Excellent	0.12	31	0.29	72	0.39	98
		0.11	29	0.24	61	0.35	88
DP20 2" 4"	Normal	0.14	35	0.30	77	0.45	113
		0.12	33	0.26	65	0.37	93
DP10 2" 4"	Economical	0.15	38	0.32	80	0.47	117
		0.14	35	0.27	68	0.38	96

Remarks: Initial pressure drop difference is ± 10%

Product Specifications

Nominal Dimension (inch)	Actual Dimension (mm)	Air Flow (m³/h)			M-DP30		M-DP20		M-DP10	
		Face Velocity (m/s)			Pleated Number	Media Area (m²)	Pleated Number	Media Area (m²)	Pleated Number	Media Area (m²)
WxHxD	WxHxD	1.52	2.54	3.18						
12x24x1	289x594x22	1020	1700	-	14	0.37	-	-	-	-
24x24x1	594x594x22	2040	3400	-	28	0.74	-	-	-	-
12x24x2	289x594x44	1020	1700	2125	14	0.73	11	0.58	7	0.37
20x20x2	492x492x44	1445	2380	2980	23	1.01	17	0.74	12	1.52
20x24x2	492x594x44	1700	2800	3570	23	1.21	17	0.89	12	0.63
24x24x2	594x594x44	2040	3400	4250	28	1.47	22	1.15	15	0.79
12x24x4	289x594x95	1020	1700	2125	10	1.13	8	0.91	7	0.79
20x24x4	492x594x95	1700	2800	3570	23	2.59	17	1.91	12	1.53
24x24x4	594x594x95	2040	3400	4250	21	2.37	18	2.03	15	1.70

Remarks: 1. Tolerance of initial pressure drop is ± 10%.
2. Recommended final pressure drop is 250Pa.
3. Tolerance of dimension is -0mm / +3mm.
4. Other dimensions are available upon request.