



ADVANTAGES

- Sturdy and Rigid beverage board frame
- High quality & environment friendly synthetic media
- Equally pleated media supported by wire mesh
- High performance in high humidity & moisture environment
- Disposable type

M-DP is usually use as pre-filter in HVAC system to capture bigger portables in order to prolong the life span of high efficiency filters

CONSTRUCTIONS

M-DP is designed with sturdy and reliable frame, with die-cut and equal pleated double wall beverage board.

The media is support by the wire mesh at the air leaving side in order to maintain equal space between pleats so to ensure that the dust can be collected equally over the entire media surface

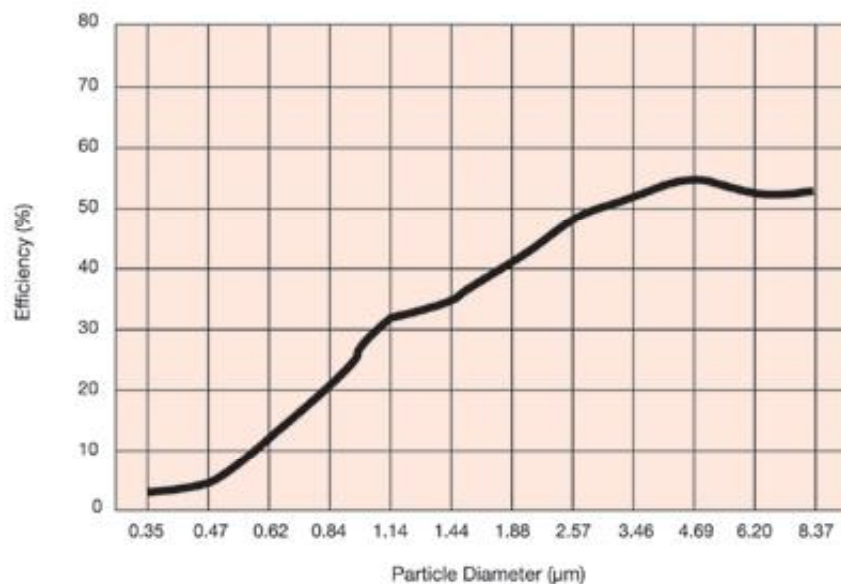
Average Dust Spot Efficiency : 25 - 30% (ASHRAE 52.1-1992 test method)

EN779 Classification : G4

Available Model : M-DP30, M-DP20, M-DP10

Media : Synthetic Fiber

Efficiency vs. Particle Diameter (ASHRAE52. 2P)



PERFORMANCE

PERFORMANCE CODE	PERFORMANCE GRADE	RATED INITIAL RESISTANCE					
		300FPM/1.52m/s		500FPM/2.54m/s		625FPM/3.18m/s	
		Inch H ₂ O	Pa	Inch H ₂ O	Pa	Inch H ₂ O	Pa
DP30 2" 4"	Excellent	0.13	33	0.30	75	0.44	110
		0.12	30	0.25	63	0.36	90
DP20 2" 4"	Normal	0.11	28	0.25	63	0.35	88
		0.10	25	0.22	55	0.32	80
DP10 2" 4"	Economical	0.12	30	0.27	68	0.38	95
		0.10	25	0.22	55	0.33	83

TYPE AND TECHNICAL DATA

NOMINAL (inch) W x H x D	ACTUAL (inch) W x H x D	RATED AIR FLOW m ³ /h			DP30		DP20		DP10	
		Under The Rated Air Flow (m/s)			Pleated	Media Area (m ²)	Pleated	Media Area (m ²)	Pleated	Media Area (m ²)
		1.52	2.54	3.18						
12 x 24 x 1	290 x 595 x 22	1020	1700	-	14	0.36	-	-	-	-
20 x 20 x 1	492 x 492 x 22	1445	2380	-	24	0.52	-	-	-	-
20 x 24 x 1	492 x 595 x 22	1700	2805	-	24	0.64	-	-	-	-
24 x 24 x 1	595 x 595 x 22	2040	3400	-	28	0.74	-	-	-	-
12 x 24 x 2	289 x 594 x 44	1020	1700	2125	14	0.85	11	0.63	7	0.47
20 x 20 x 2	492 x 492 x 44	1445	2380	2975	23	1.13	17	0.81	12	0.59
20 x 24 x 2	492 x 595 x 44	1700	2805	3570	23	1.38	17	0.98	12	0.74
24 x 24 x 2	595 x 594 x 44	2040	3400	4250	28	1.64	21	1.21	15	0.94
12 x 24 x 4	289 x 594 x 95	1020	1700	2125	10	1.19	8	0.96	7	0.84
20 x 20 x 4	492 x 492 x 95	1445	2380	2975	17	1.69	15	1.39	12	1.20
20 x 24 x 4	492 x 594 x 95	1700	2805	3570	17	2.01	15	1.77	12	1.42
24 x 24 x 4	594 x 594 x 95	2040	3400	4250	21	2.51	18	2.15	15	1.80

* NOTE :

- Final resistance 250Pa
- Tolerance: +0-1/32" (+0-3mm)
- Nominal WH is 5/8" (16mm) smaller than actual WH
- Height and width can be interchanged
- Performance are according to the EN779/ASHRAE52.1-1992, tolerance are according to the ARI 850-93 7.4.
- 1 mm w.g is approximate 10 pa
- 1 CFM is approximate 1.6992 CMH



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