

# FILTER EFFICIENCY

## Cross Reference Guide of Filter Efficiencies

Australian Standard Ratings <sup>1</sup>			European Ratings <sup>2</sup>	U.S. MERV Ratings <sup>3</sup>	U.S. ASHRAE Ratings <sup>4</sup>		Filter Type
Performance Rating	Average Arrestance (Test Dust No. 4)	Average Efficiency (Test Dust No. 1)			Arrestance	Efficiency (Dust Spot)	
G1 G2	<65% 65-80%	N/A	G1, G2	MERV 1-4	60-80%	>20%	WD Panel Filter Gate Filter Synthetic Media Pads
G3	80-90%	N/A	G3	MERV 5	80-90%	>20%	WD Panel Filter Gate Filter Synthetic Media Pads Automatic Roll Media
G4	>90%	N/A	G4	MERV 6	90-95%	20-30%	Gate Filter V-Form
G4	>90%	N/A	G4	MERV 6-7	95%	25-30%	V-Form FourPak
G4	>90%	N/A	G4	MERV 7-8	95-98%	30-40%	FourPak MultiPak Service Pleat MB AirePleat MB FreePak
F5	N/A	40-60%	F5	MERV 8-9	98%	40-50%	Service Pleat M9 AirePleat M9 AirePak
F5	N/A	40-60%	F5	MERV 8-9	98%	40-50%	AirePak PureCell PureCell II
F6	N/A	60-80%	F6	MERV 10-11	99%	60-70%	AirePleat M11 AirePak PurePak PureCell PureCell II
F6	N/A	60-80%	F6	MERV 12-13	99%	70-80%	AirePleat M13 AirePak PurePak PureCell PureCell II
F7	N/A	80-90%	F7	MERV 13-14	99%	80-90%	AirePak PurePak PureCell PureCell II AireFlow-V
F8	N/A	90-95%	F8	MERV 14-15	99%	90-95%	AirePak PurePak PureCell PureCell II AireFlow-V
F9	N/A	>95%	F9	MERV 15	99%	>95%	AirePak AireFlow-V
95% DOP	N/A	N/A	H11	MERV 16	N/A	95% DOP	AireFlow-V AireCell 95
Grade 1 Grade 2 Grade 3 Grade 4	99.97% 0.3µm 99.99% 0.3µm 99.999% 0.3µm 99.999% 0.12µm		H13 H14 U15	N/A	N/A	99.97% 99.99% 99.995% 99.9995%	AireCell AireCell HC AireFlow-HC AirePanel AirePanel CS

Our 4877M Filters are Merv 7-8

1. Australian Standard AS1324.1-2001 & AS4260-1997. The performance ratings given above in AS1324.1-2001 has been adopted from and as such is an equivalent to the Eurovent 4/5 classifications for filters as outlined in EN 779 (as per page 8 AS1324.1-2001). Test dust No. 1 and No. 4 are consistent with tests carried out overseas to ASHRAE 52 and EN 779 (as per page 9 AS 1324.1-2001). Test Dust No. 4 is ASHRAE Test Dust (as per page 27 AS1324.2-2003).

2. European Efficiency Classes are based on European Standards EN 779 and EN 1882

3. Minimum Efficiency Reporting Value (MERV) ratings are based on the ASHRAE 52.2 Test Method

4. Arrestance and Dust Spot Efficiency ratings are based on the ASHRAE 52.1 - 1992 Test Method

Note: To fully comply with AS1324.1-2001 "All Products" must be tested on a minimum frequency of 5 years, annually for Flat Media.