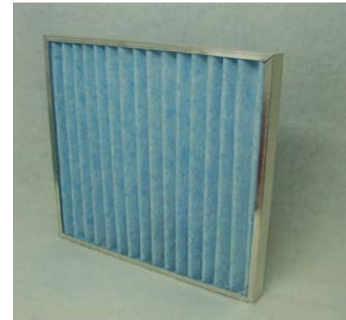


Model AP45D & AP90D

Aluminium Framed Disposable Panel Filters

- Ideal for FCU's, no air by-pass
- Non-standard sizes available
- Available in F4 or F5 media
- Standard depths of 45 & 90 mm
- Fresh air/supply intake
- Ideal for high humidity applications



Description

APS Sydney aluminium disposable filters are Type 1, Class A, dry disposable extended surface panel filters, which offer economical, intermediate efficiency and meet the requirements of AS1668.2, where the filter has an initial efficiency of not less than 20% to AS1324 No. 1 Test.

Construction

The filters are manufactured from a light gauge aluminium frame, which is impervious to moisture or humidity and can be easily recycled. The filter media is manufactured from a blend of synthetic fibres, which do not support combustion.

The blue BR4 filter media is pleated in a V form configuration to provide lower resistance and higher dust holding capacity to that of a flat panel filter, ensuring extended service life. The filter media is bonded to a 25mm x 25mm wire mesh grid on the air leaving side of the filter by non toxic, non flammable, odourless PVA adhesive, to provide media support and is bonded with the same adhesive into the aluminium frame to prevent air bypass.

Filter Sizes & Media Types

APS Sydney aluminium disposable panel filters are available in standard and non-standard sizes. The filter sizes shown for both standard and non standard sizes are given for the filter mounting frames. The filters are manufactured 15 mm smaller than the mounting frames to fit and this becomes the nominal size of the filter. Filter performance of F4 rated disposable media type BR4 is most commonly used, however, higher efficiency F5 media type BR5 is also available.

Applications:

Due to its design and extended service life this filter is suited to a wide range of applications. Its design is uniquely suited for fresh air intakes where high moisture and humidity is present, handling the worst conditions. Other applications include general air conditioning and ventilation systems, process air systems, industrial applications and as pre filtration to higher efficiency filters.

Filters are generally installed into slide plenums and ducts, however, to ensure effectiveness, the filter can be installed utilising APS Sydney filter mounting frames, which incorporate sealing gasket and spring clips to ensure a positive seal is formed against the filter face eliminating air by pass.



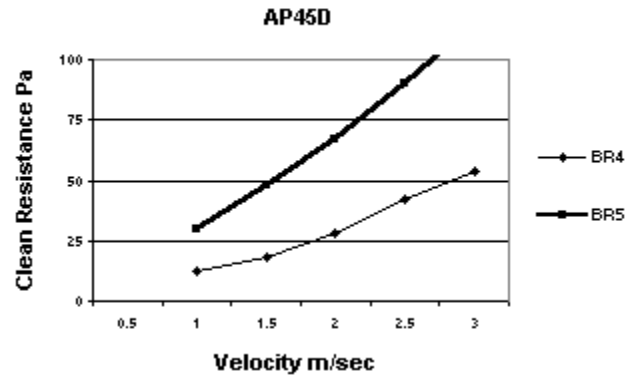
The capacity to recycle the metal components of this filter makes it an environmentally responsible choice.

REDUCE, REUSE, RECYCLE



Performance Data

Model	Filter media	Filter Class	Min. Effic.	Avg. effic.	Avg. Arrest.
AP25DBR4	BR4	F4	20	25	90
AP25DBR5	BR5	F5	25	35	93
AP45DBR4	BR4	F4	20	25	90
AP45DBR5	BR5	F5	25	35	93
AP90DBR4	BR4	F4	20	25	90
AP90DBR5	BR5	F5	25	45	93



D45/50 - 28 Pa @ 2.5 m/s face velocity for 595 x 595 22 pleats **D90/95 - 28 Pa @ 2.5 m/s face velocity for 595 x 595 22 pleats**

Nominal Size	Holding Frame Size	Capacity L/sec		BR4 Pressure Drop - Pa			BR5 Pressure Drop - Pa		
		1.8	2.5	1.8	2.5	final	1.8	2.5	final
		m/sec	m/sec	m/sec	m/sec		m/sec	m/sec	
240 x 445 x 45	255 x 508 x 50	180	250	25	45	250	60	90	250
290 x 290 x 45	305 x 305 x 50	162	225	25	45	250	60	90	250
290 x 495 x 45	305 x 508 x 50	270	375	25	45	250	60	90	250
290 x 595 x 45	305 x 610 x 50	325	450	25	45	250	60	90	250
340 x 495 x 45	355 x 508 x 50	360	500	25	45	250	60	90	250
340 x 622 x 45	355 x 635 x 50	324	450	25	45	250	60	90	250
395 x 395 x 45	406 x 406 x 50	288	400	25	45	250	60	90	250
395 x 495 x 45	406 x 508 x 50	360	500	25	45	250	60	90	250
395 x 595 x 45	406 x 610 x 50	432	600	25	45	250	60	90	250
395 x 622 x 45	406 x 635 x 50	440	610	25	45	250	60	90	250
445 x 445 x 45	460 x 460 x 50	288	400	25	45	250	60	90	250
445 x 495 x 45	460 x 508 x 50	360	500	25	45	250	60	90	250
445 x 595 x 45	460 x 610 x 50	432	600	25	45	250	60	90	250
445 x 622 x 45	460 x 635 x 50	432	600	25	45	250	60	90	250
495 x 495 x 45	508 x 508 x 50	450	625	25	45	250	60	90	250
495 x 595 x 45	508 x 610 x 50	540	750	25	45	250	60	90	250
495 x 622 x 45	508 x 635 x 50	560	780	25	45	250	60	90	250
495 x 750 x 45	508 x 765 x 50	630	875	25	45	250	60	90	250
595 x 595 x 45	610 x 610 x 50	650	900	25	45	250	60	90	250
290 x 595 x 90	305 x 610 x 50	325	450	22	40	250	45	75	250
340 x 495 x 90	355 x 508 x 50	270	375	22	40	250	45	75	250
395 x 495 x 90	406 x 508 x 50	360	500	22	40	250	45	75	250
395 x 595 x 90	406 x 610 x 50	432	600	22	40	250	45	75	250
395 x 622 x 90	406 x 635 x 50	440	610	22	40	250	45	75	250
445 x 595 x 90	460 x 610 x 50	432	600	22	40	250	45	75	250
495 x 495 x 90	508 x 508 x 50	450	625	22	40	250	45	75	250
495 x 595 x 90	508 x 610 x 50	540	750	22	40	250	45	75	250
495 x 622 x 90	508 x 635 x 50	560	780	22	40	250	45	75	250
595 x 595 x 90	610 x 610 x 50	650	900	22	40	250	45	75	250

All frames are 50 mm in depth and clips are arranged to suit depth of filter selected.

Non Standard Filter & Mounting Frame Sizes

SIZE															
Height	Width	Height	Width	Height	Width	Height	Width	Height	Width	Height	Width	Height	Width	Height	Width
200	200	300	300	400	400	500	500	600	600	700	700	800	800	900	900
200	300	300	400	400	500	500	600	600	700	700	800	800	900	900	1000
200	400	300	500	400	600	500	700	600	800	700	900	800	1000	900	1100
200	500	300	600	400	700	500	800	600	900	700	1000	800	1100	900	1200
200	600	300	700	400	800	500	900	600	1000	700	1100	800	1200	900	1300
200	700	300	800	400	900	500	1000	600	1100	700	1200	800	1300	900	1400
200	800	300	900	400	1000	500	1100	600	1200	700	1300	800	1400	900	1500
200	900	300	1000	400	1100	500	1200	600	1300	700	1400	800	1500		
200	1000	300	1100	400	1200	500	1300	600	1400	700	1500				
200	1100	300	1200	400	1300	500	1400	600	1500						
200	1200	300	1300	400	1400	500	1500								
200	1300	300	1400	400	1500										
200	1400	300	1500												
200	1500														



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Due to ongoing product development APS Sydney reserves the right to change design and specifications without notice