

Interpocket

Multilayer Deep Bed Air Filters



Description

Interpocket filters are extended surface, high capacity air filters. They are designed to provide a cost effective means of handling large air volumes of constant air flow, with high-particulate concentration of sub-micron particles. The media construction combines a compact design with excellent airflow characteristics, providing potential for significant energy savings.

In applications requiring a high degree of air cleanliness, Interpocket filters excel as final filters in air handling systems, or as a secondary filter in a three stage filter bank that uses HEPA or ULPA filters as the final filters.

Interpocket filters are suitable for applications where ultra-fine filtration is required, such as in hospitals, office blocks, pharmaceutical plants and universities, where air quality is critical.

Interpocket filters are available in a range of sizes and pocket configurations, with media efficiencies from F6 to F9.

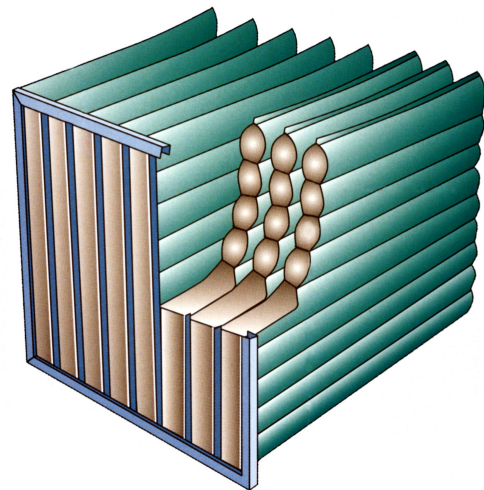


Construction

Each bag is manufactured from a multilayer medium comprising a unique blend of synthetic fibres. The medium has a graded density structure, with a pre-filter layer, a fine filtration layer of the specified grade and a backing layer to provide strength. This gives Interpocket bag filters a high dust holding capacity and a low pressure drop, while providing a compact long life filter with energy saving capabilities.

Interpockets are designed for the efficient flow of air, providing minimal resistance while optimising dust holding capacity. A specially designed welding pattern controls the inflation of the pocket, maximising the media area exposed to the air flow and ensuring an even dust loading. To avoid the risk of leakage, the finished pocket is sealed to ensure total filter pocket integrity.

All pockets are assembled into a 'U' shape formed header frame, which provides a compact, rigid and robust filter structure. Interpocket filters suit installation into existing front and side withdrawal frames or with optional mounting hardware can be installed into filter banks. Where bank height exceeds 2.0m it is recommended that continuous stiffening bars be installed between alternate tiers of frames.



Media: Filter media is a 100% spun bonded polypropylene and is available in four efficiency ratings. The media is coloured to easily identify the efficiency rating.

F6 60% - 65% Green

F7 80% - 85% Red

F8 90% - 95% Yellow

F9 95% - + White



Selection Data - Interpocket Air Filters

PERFORMANCE RATING	PART NO.	DIMENSIONS (mm) H x W x D	CAPACITY MED. (L/S)	RES.* (Pa)	CAPACITY HIGH (L/S)	RES.* (Pa)	MEDIA AREA (m2)	DUST HOLDING CAP. (G) @ 450Pa
F6	IP658-610610560	595 x 595 x 560	670	28	944	49	5.75	480
	IP654-305610560	595 x 289 x 560	335	28	472	49	2.87	240
	IP658-610610660	595 x 595 x 660	670	25	944	43	6.78	520
	IP654-305610660	595 x 289 x 660	335	25	472	43	3.39	260
	IP658-610610762	595 x 595 x 762	670	23	944	40	7.80	590
	IP654-305610762	595 x 289 x 762	335	23	472	40	3.90	295
F7	IP858-610610560	595 x 595 x 560	670	55	944	82	5.75	414
	IP854-305610560	595 x 289 x 560	335	55	472	82	2.87	207
	IP858-610610660	595 x 595 x 660	670	48	944	71	6.78	486
	IP854-305610660	595 x 289 x 660	335	48	472	71	3.39	243
	IP858-610610762	595 x 595 x 762	670	44	944	66	7.80	560
	IP854-305610762	595 x 289 x 762	335	44	472	66	3.90	280
F8	IP958-610610560	595 x 595 x 560	670	68	944	100	5.75	356
	IP954-305610560	595 x 289 x 560	335	68	472	100	2.87	177
	IP958-610610660	595 x 595 x 660	670	59	944	86	6.78	449
	IP954-305610660	595 x 289 x 660	335	59	472	86	3.39	225
	IP958-610610762	595 x 595 x 762	670	55	944	80	7.80	530
	IP954-305610762	595 x 289 x 762	335	55	472	80	3.90	265
F9	IP1008-610610560	595 x 595 x 560	670	125	944	195	5.75	230
	IP1004-305610560	595 x 289 x 560	335	125	472	195	2.87	115
	IP1008-610610660	595 x 595 x 660	670	107	944	165	6.78	270
	IP1004-305610660	595 x 289 x 660	335	107	472	165	3.39	135
	IP1008-610610762	595 x 595 x 762	670	100	944	155	7.80	312
	IP1004-305610762	595 x 289 x 762	335	100	472	155	3.90	156

Other sizes and pocket configurations available on request.

* Initial Resistance

Copies of test reports are available on request.



Standard Specification

Filter classification: Type 1, Class A in accordance with AS1324.1.2

Rating: F6 to F9 (refer table)

Size: As selected from table

Selection: AES Environmental Interpocket or approved equal, fitted with (specify rating) media.

Efficiency: Rated efficiency shall be achieved and verified according to Australian Standard AS1324.2.4 & 5.

Test reports: A NATA test certificate shall be provided that is less than 5 years old to conform to this specification.

Max. Temp: The media shall be suitable to operate at continuous temperatures of up to 82°C.

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In keeping with our policy of continuing product improvement, we reserve the right to alter specifications without notice.

