

Inter-firm™ Medium Efficiency Filter

Email Air Handling Inter-firm filters are high performance dry-type filters, intended for use in semi-critical locations, in both HVAC and general industrial. The Inter-firm is available in three efficiencies to suit a range of applications. With its' rigid construction, the Inter-Firm ideally meets the design requirements of today's variable air volume systems.

Performance is not interrupted by changes in air velocity nor fan shutdown and configuration is not affected by accumulated dust. The Inter-firm filters have the lowest pressure drop available for their type and design.

Continually low resistance under varied air volumes ensures power savings over the life of the filter.

Efficiencies

Inter-firm is available in ratings F6 (60/65%), F7 (80/85%) and F8 (90/95%). The media is colour coded for easy identification of efficiency.

Durability

The final pleated filter is extremely durable with high compressive strength in the airflow direction. This durability also ensures that there is no damage to the pleats during transportation and storage.



Construction

The lofted media and tapered radial pleats provide a high dust holding capability, extending the life of the filter. A continuous sheet of special fibre filter medium is pleated into a vee configuration with finger type separators inserted between the pleats. This forms the filter element which is bonded into a rigid corrosion-resistant steel frame with all joints encapsulated and sealed in a special urethane. As a result the system will require less down time and in turn reduce maintenance costs.

Dimensions

Filters are produced in a wide range of face dimensions and in two standard depths of nominally 150mm and 300mm.

Pre-Filtration

Pre-filters should be selected for this type of efficient filter, and should be nominated as the interfold 50mm or the 100mm medium efficiency disposable type. The pre-filter could extend the life of the Inter-firm by 40 to 500%.



Performance Data

Nominal Size	610x610x305mm	305x610x305mm	610x610x152mm	305x610x152mm
Part Number	IF65-305610305	IF65-305610305	IF65-610610152	IF65-305610152
Efficiency AS1324	F6	F6	F6	F6
Media Colour	Green	Green	Green	Green
Capacity	944 L/s	566L/s	944 L/s	566 L/s
Clean Resistance (Pa)	72		86	
No.1 Minimum	77%	77%		
No.4 Average	94.80%	94.80%		
Dust Holding (g/m ²)	551			
Final Resistance (Pa)	450	450	450	450

Nominal Size	610x610x305mm	305x610x305mm	610x610x152mm	305x610x152mm
Part Number	IF85-610610305	IF85-305610305	IF85-610610152	IF65-305610152
Efficiency AS1324	F7	F7	F7	F7
Media Colour	Pink	Pink	Pink	Green
Capacity	944 L/s	566L/s	944 L/s	566 L/s
Clean Resistance (Pa)	87		105	
No.1 Minimum	76%	76%		
No.4 Average	95.42%	95.42%		
Dust Holding (g/m ²)	388			
Final Resistance (Pa)	450	450	450	450

Nominal Size	610x610x305mm	305x610x305mm	610x610x152mm	305x610x152mm
Part Number	IF95-610610305	IF95-610610305	IF95-610610152	IF95-305610152
Efficiency AS1324	F8	F8	F8	F8
Media Colour	Yellow	Yellow	Yellow	Yellow
Capacity	944 L/s	566L/s	944 L/s	566 L/s
Clean Resistance (Pa)	144		110	
No.1 Minimum	90%	90%		
No.4 Average	96.96%	96.96%		
Dust Holding (g/m ²)	177			
Final Resistance (Pa)	450	450	450	450

Standard Specification

Filter Description	Type 1, Class A
Rating	F6, F7 or F8
Selection	Air filters shall be Inter-Firm or approved equal.
Sizes (Nominal)	610 x 610 x 152, 305 x 610 x 152, 610 x 610 x 305 or 305 x 610 x 305
Efficiency	When tested to AS1324.2 the filter shall achieve a No.1 dust efficiency of 60% (F6), 80% (F7) or 90% (F8).
Test Reports	A NATA test certificate will need to be provided which will be less than three years old to conform to this specification.

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



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