

INTER-COARSE

ISO Coarse 70% Panel Filters

APPLICATIONS

AES Environmental Inter-Coarse is based on the Inter-fold panel filter and is suitable for air conditioning and industrial applications. The Inter-Coarse is a compact and economical air filter that features low operating costs along with high dust holding capacity.

The Inter-Coarse is totally disposable. A simple retro-fit can upgrade any new or existing air filtration system to incorporate AES Environmental's Inter-Coarse.

The high dust holding capacity extends replacement intervals, and used as a prefilter, considerably lengthens the service life of other secondary filters in the system.

INTRODUCING ISO 16890!

ISO 16890 introduces a new classification for air filtration products. The "coarse" rating now replaces G4 and below. In response, we have updated our test methods and developed a filter rated as ISO coarse 70%.

We continue to produce our G4 and F5 filters, adhering to the AS 1324 standard.

THE NEW ISO COARSE RANGE!

*Rated to new ISO
16890 Standards*



INDOOR AIR QUALITY

Achieving Indoor Air Quality (IAQ) is a function of system design, filtration selection, and maintenance, as outlined in Australian Standard AS 1668. These elements are crucial for optimal IAQ, which is essential for the health of occupants in the built environment.

Contaminated heating and cooling coils can experience heating/cooling transfer efficiency reductions of up to 25% when a 1mm layer of dust accumulates on the coil surface. This compounding effect leads to substantial energy losses and increased maintenance costs.

PRODUCT SPECIFICATION

Inter-Coarse panel filters are constructed from high-strength beverage board and feature synthetic filter media that is pleated and wire-backed. The pleats are evenly distributed throughout the filter frame, ensuring a balance of consistency, dust-holding capacity, and pressure loss.

These filters are evaluated based on initial arrestance or gravimetric efficiency, making them ideal as pre-filters for higher efficiency

filters such as bag filters, V-cell filters, or HEPA filters. Utilizing the test methods outlined in ISO 16890 and incorporating L2 (ISO 15957) test dust, our Inter-Coarse range achieves a target efficiency of 70% for ISO Coarse.

In late 2024, we will expand our ISO testing capabilities to include ePM testing, further enhancing our panel filter product offerings.

PRODUCT SPECIFICATIONS- STANDARD SIZES

WIDTH	PART NO.	RATING	ACTUAL SIZE W X H X D	MOUNTING SIZE (MM)	CAP. MED. (L/S)	RES. MED. (Pa)	CAP. HIGH (L/S)	RES. HIGH (Pa)
25mm	IC25-610610	Coarse 70%	595 x 595 x 22	610 x 610	330	43	670	70
	IC25-406508	Coarse 70%	395 x 495 x 22	406 x 508	320	43	570	70
	IC25-508508	Coarse 70%	495 x 495 x 22	508 x 508	229	48	364	70
	IC25-305610	Coarse 70%	289 x 595 x 22	305 x 610	160	48	270	70
	IC25-610610	Coarse 70%	595 x 595 x 22	610 x 610	330	43	670	70
	IC25-366635	Coarse 70%	343 x 622 x 22	366 x 635	229	48	380	70
	IC25-508635	Coarse 70%	495 x 622 x 22	508 x 635	229	48	364	70
50mm	IC50-254508	Coarse 70%	241 x 495 x 44	254 x 508	225	40	375	65
	IC50-305508	Coarse 70%	289 x 495 x 44	305 x 508	275	40	463	65
	IC50-406508	Coarse 70%	342 x 495 x 44	406 x 508	320	40	517	65
	IC50-381508	Coarse 70%	368 x 495 x 44	381 x 508	345	40	555	65
	IC50-457508	Coarse 70%	444 x 495 x 44	457 x 508	415	40	665	65
	IC50-508508	Coarse 70%	495 x 495 x 44	508 x 508	465	40	750	65
	IC50-508635	Coarse 70%	495 x 622 x 44	508 x 635	465	40	750	65
100mm	IC100-610610	Coarse 70%	595 x 595 x 44	610 x 610	570	40	944	65
	IC100-406508	Coarse 70%	395 x 495 x 96	406 x 508	465	40	750	65
	IC100-508508	Coarse 70%	495 x 495 x 96	508 x 508	570	40	944	65
	IC100-305610	Coarse 70%	289 x 595 x 96	305 x 610	335	40	570	65
	IC100-457610	Coarse 70%	444 x 595 x 96	457 x 610	500	40	788	65
	IC100-508610	Coarse 70%	495 x 595 x 96	508 x 610	557	40	878	65
	IC100-610610	Coarse 70%	595 x 595 x 96	610 x 610	670	40	1188	65
IC100-406635	Coarse 70%	395 x 622 x 96	406 x 635	477	40	772	65	

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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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