



The Camfil ECO Moisture Separator is highly effective in removing water droplets, water mist and fog from outside or recirculated air.

With an efficiency approaching 90% on 5-micron size droplets (98% on 20 micron size droplets) the ECO offers excellent protection of HVAC components including downstream filter banks.

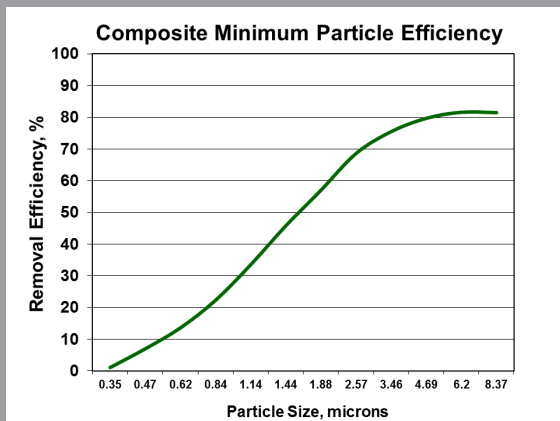
In addition, the ECO may be used downstream of DX or chilled water coils, and steam or mist-type humidifiers to allow saturated air to condense out of the airstream.

The Camfil ECO Moisture Separator:

- Includes a media constructed of alternate layers of flat and serpentine crimped galvanized steel screens
- Is enclosed in a 16-gauge galvanized steel enclosing frame for maximum media support and rigidity at varying airflows
- Includes weeping holes as an integral feature of the enclosing frame for liquid draining (filter holding mechanism must be plumbed to alleviate liquid runoff)
- Is available with an optional coalescer prefilter pad for increased efficiency at smaller droplet sizes
- Is ruggedly constructed to assure repeatable integrity after repeated handlings and cleanings
- Operates within a velocity range of 450 fpm to 550 fpm (consult factory for operation outside of this range).

The Camfil ECO Moisture Separator is also effective in the removal of oil mists from industrial applications. Oil claimed through the capture process may be reclaimed and recirculated to the process reducing the expenditures related to replacing the loss of this commodity to the atmosphere.

98% efficiency on droplets 20-micron and larger





ECO[®] Moisture Separator

Air Filter for the Elimination of Oil or Water Mists

Performance Data

Part Number	Use	Nominal Size	Actual Height (inches)	Actual Width (inches)	Rated Airflow (cfm)	Weight (lbs.)
Galvanized Steel Construction						
064649-001	For Built-up Banks	24 x 24 x 4	23.38	23.38	2000	19
064649-002		24 x 12 x 4	23.38	11.38	1000	10
064649-003		12 x 24 x 4	11.38	23.38	1000	10
064649-004	For Side Access Housings (includes sealing gasket on vertical side)	24 x 24 x 4	23.38	23.38	2000	19
064649-005		24 x 12 x 4	23.38	11.38	1000	10
064649-006		12 x 24 x 4	11.38	23.38	1000	10
Stainless Steel Construction						
098512-001	For Built-up Banks	24 x 24 x 4	23.38	23.38	2000	19
098512-002		12 x 24 x 4	11.38	23.38	1000	10
098512-003		24 x 12 x 4	23.38	11.38	1000	10
098512-004	For Side Access Housings (includes sealing gasket on vertical side)	24 x 24 x 4	23.38	23.38	2000	19
098512-005		12 x 24 x 4	11.38	23.38	1000	10
098512-006		24 x 12 x 4	23.38	11.38	1000	10

DATA NOTES:

Airflow should not exceed 550 fpm to avoid liquid carryover. Velocity should be maintained between 450 and 550 fpm.

Consult your authorized Camfil Distributor or Representative for installation drawings for built-up bank construction or side-access housings options.

Stainless steel version frame material is 304 SST .036 thick, media is type 316SST wire screen.

1.0 General

1.1 - Air filter shall be cleanable, all-metal, panel type, designed specifically for the removal of airborne moisture droplets. The filter shall consist of an all metal enclosing frame, and layers of flat and serpentine metal screen media.

1.2 - Sizes shall be as noted on the enclosed drawings or other supporting materials.

2.0 Construction

2.1 - Filter media shall be of fifteen serpentine layers of flat and crimped galvanized screen wire. The media pack shall be nominal two inches deep and shall be permanently fastened to the enclosing frame to maintain filter pack rigidity.

2.2 - The enclosing frame shall be manufactured of 16-gauge galvanized steel and shall be four inches in depth to facilitate

droplet collection. Frame corners shall be flush, mitered, and reinforced for rigidity.

2.3 - The filter shall be permanently identified as to the top of the filter for installation guidance. It shall also include a minimum of three 0.375" drainage holes on the bottom of the filter to facilitate liquid run-off.

3.0 Performance

3.1 - When installed vertically, the filter shall be 98% efficient on 20 micron size droplets when operating at a velocity of 500 fpm face velocity. Resistance to airflow shall not exceed 0.25" w.g. at 500 fpm.

3.2 - Manufacturer shall provide evidence of facility certification to ISO 9001:2015.

For detailed specifications please consult your local Camfil Distributor or Representative or www.camfil.com.

Camfil has a policy of uninterrupted research, development and product improvement. We reserve the right to change designs and specifications without notice.



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