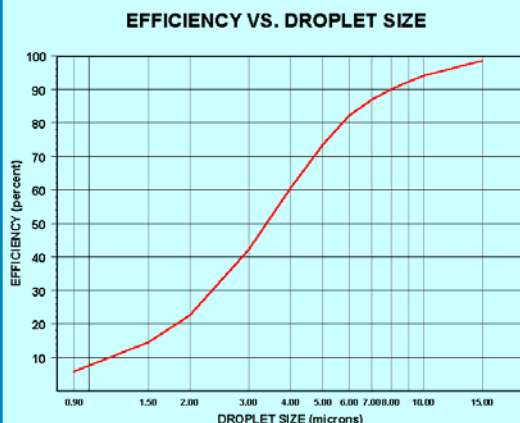


# eco<sup>®</sup> moisture separator

Air Filter for the Elimination of Oil or Water Mists



98% efficient on droplets twenty microns and larger



The Camfil Farr ECO<sup>®</sup> 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 Farr 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 Farr ECO<sup>®</sup> 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.



Camfil Farr	Product sheet
ECO <sup>®</sup> Moisture Separator	2003 - 0606
Camfil Farr—clean air solutions	

**PERFORMANCE DATA**

**ECO® MOISTURE SEPARATOR**

Part Number	Use	Nominal Size	Actual Dimensions (inches)		Rated Airflow	Weight
			Height	Width		
<b>Galvanized Steel Moisture Separator</b>						
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
<b>Stainless Steel Moisture Separator</b>						
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 Farr Distributor or Representative for installation drawings for built-up bank construction or side-access housings options.

**SPECIFICATIONS**

**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 9001:2000.

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

**Camfil Farr, Inc.**  
 United States Tel: (973) 616-7300 Fax: (973) 616-7771  
 Canada Tel: (450) 629-3030 Fax: (450) 662-6035  
 E-mail: camfilfarr@camfilfarr.com

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<http://www.camfilfarr.com>

