



# Air/Oil Separator, Coalescing Filter Media

Delivering contaminant-free compressed air

**Compressed air is an essential utility in industry. It is widely used in multiple applications; as a process fluid, for aeration purposes, to provide energy, to protect equipment and people.**

Delivering clean, oil-free compressed air is important to guarantee low maintenance of downstream systems, but becomes critical in sensitive sectors such as food, pharma or medical.

Ahlstrom-Munksjö Glass AOS portfolio offers complete solutions for both:

- **Primary filtration stage** when the purpose is to separate and recycle oil guaranteeing optimal performance of the compressor.
- **Secondary filtration stage** when the purpose is to provide the right quality of air, even for most demanding industries.

## Benefits

- ✔ **Superior coalescing efficiency** – for cleaner air at low pressure drop; energy savings and extended filter lifetime.
- ✔ **Complete range of efficiency, oil and water repellency** – to meet all industry requirements.
- ✔ **Internal ISO12500 test bench available** – to anticipate the performance of multilayer combinations.
- ✔ **Extensive lamination capabilities** – allowing the addition of protective scrims to improve processing behavior without compromising performances of pleated filters.

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## Ahlstrom-Munksjö Glass AOS

Glass AOS portfolio offers a complete range of efficiency, grammage, water and oil repellency combined with multiple customization and lamination capabilities for optimal air/oil separation whatever the customer design.

Our ISO 12500 test bench has been developed to support our customer in evaluating the air/oil separation performances of single layer but also multilayer combination of our different media – delivering fastest selection of media combination at different oil inlet concentrations.

### Key Grade Characteristics

	Basis Weight	Thickness	Air Efficiency @ 5.3cm/s (%)	Pressure Drop @ 5.3cm/s	Water Repellency	Oil Repellency	Oil Carry Over*	Wet Pressure Drop*	
Grade	g/m <sup>2</sup>	µm	% @ 0.3µm	mmH <sub>2</sub> O	mmH <sub>2</sub> O	Kit 3M	mg/m <sup>3</sup>	mmH <sub>2</sub> O	Application
MFPS03AC	78	450	99.999	40.7	900	>9	0.04	1970	High efficiency particulate & oil removal from compressed air
MFPS05AC	78	500	99.97	28.5	>1000	11	0.25	1630	
MFPS08AC	76	510	96	12.5	900	>10	0.20	750	
MFPS08AC90	90	550	95	15.0	600	Oleophilic	0.17	805	
MFPS09AC	84	550	85	8.2	600	Oleophilic	0.23	552	
MFPS09AC80	80	530	85	8.2	600	Oleophilic	0.19	615	
MFPSI3AC	84	600	72	5.5	600	5	0.36	490	Vacuum Pump, Compressor & Crank Case Ventilation
MFPSI3AC98	98	650	70	5.5	Hydrophilic	Oleophilic	0.39	443	
MFPSI5AC	76	550	55	3.5	550	>10	0.36	325	
MFPS30AC	65	500	20	1.1	360	10	1.69	180	

\*ISO12500 Testing: SINGLE LAYER – Testing Area 200cm<sup>2</sup> – Face Velocity: 11cm/s – Absolute Pressure: 3 bar – Inlet Concentration: 20 mg/m<sup>3</sup>

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