



## ARO-400 Multi-Stage Oil Mist Collector

### *Small but big on ability !*

The ARO multi-stage oil mist collectors separate mist in progressive stages reducing the potential of plugging. Filters are depth loading and designed to drain, suitable for 24/7 operation.

Cross-flow filter design, air flow is horizontal, oil drains vertical down.

Ideal for high pressure coolant and oil.

Removes mist, smoke and bacteria.

Unique permanent 1<sup>st</sup> and 2<sup>nd</sup> stage separation stages

Optional On-Line Cleaning system

*Long filter life... Low operating costs... Low maintenance... Clean air*

### Filter Stages:

The innovative 1<sup>st</sup> stage mechanical elements separates up to 90% of the oil mist and swarf. The smooth metal surfaces quickly drains fluid back to the sump.

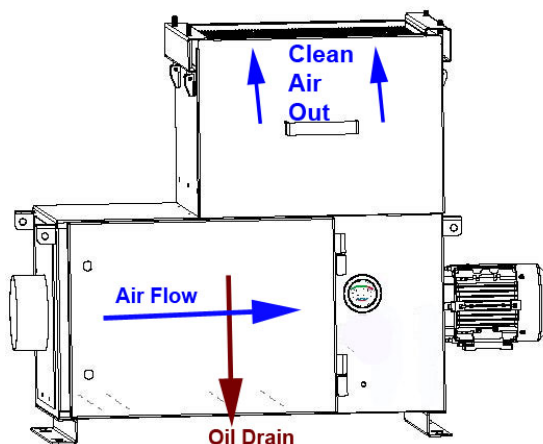
The 2<sup>nd</sup> stage agglomerator filter is very unique, manufactured in layers of stainless steel wire mesh weaved with oil attracting fibers. Efficiency is high as the air travels through a bed of coarse and fine fibers at low velocity. The agglomerator filter media is very durable, lasting 10 – 15 years. Can be power washed.

The 3<sup>rd</sup> and 4<sup>th</sup> stages are fiber bed filters that capture small mist particles.

Select coolant or oil filters. Typical life 1 – 3 years.

Final 5<sup>th</sup> stage HEPA filter that captures sub-micron mist, smoke and bacteria. Efficiency 95% @ 0.3  $\mu\text{m}$  is standard, optional 99.9% @ 0.3  $\mu\text{m}$ . Typical life 2 – 4 years

*The HEPA filter is made with exclusive heavy duty filter media, no other product holds as much or lasts as long.*



### Specifications:

Air Flow ARO-400	325 – 425 cfm
Machine tool enclosure	up to 120 ft <sup>3</sup>
Filter Pressure, max	3.5" wg
Motor	0.75 hp
Voltage (amps)	110/220/1/60 (9.6/4.8) 230/460/3/60 (2.6/1.3) 575/3/60 (1.0)
Speed	3450 rpm
Temperature, max	160°F / 70° C
Weight	210 lbs
Length	32" frame, 43" overall
Width	21"
Height	35"
Inlet connection ARO-600	6"
Sound	68 dB(A)
HEPA filter (standard)	95% @ 0.3 $\mu\text{m}$
Clean air measurement	HEPA filter 95% < 0.050 mg/m <sup>3</sup> HEPA filter 99.9% < 0.010 mg/m <sup>3</sup>

### Optional:

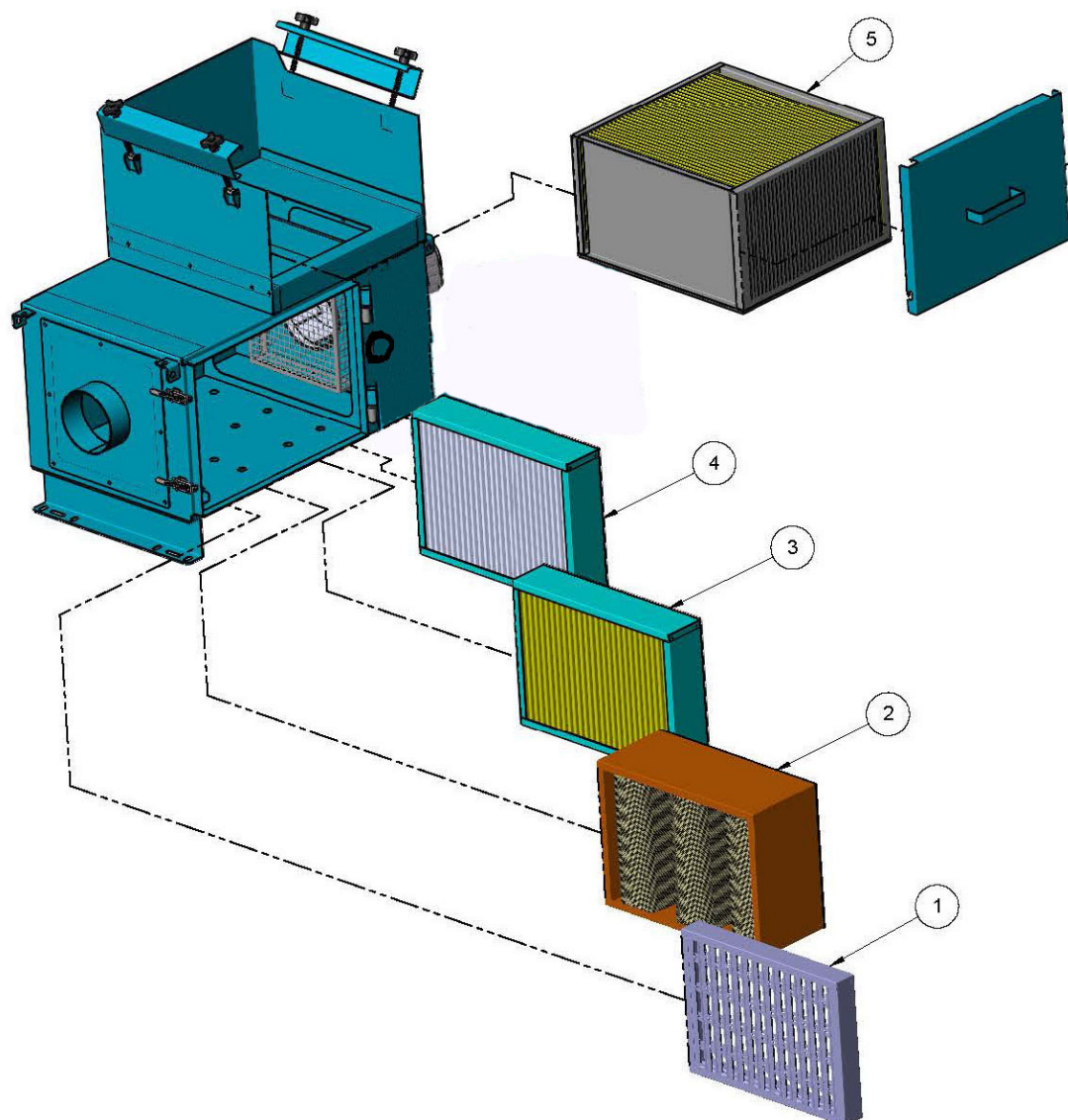
HEPA Filter 99.9% @ 0.3 $\mu\text{m}$	Wall mount
Installation kit	Pillar stand
Motor starter	Portable unit
VFD motor starter	On-Line Cleaning system

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