

QUEST AIR

Specifications:

- Dimensions: 32"H x 16"W x 16"D
- Weight: 80 lbs
- Construction: 16 ga, welded steel
- Finish: Powder coated
- Pre-filter- Passive Cyclonic airfoil action
- First section – Bernoulli chevron separation
- Final filter – Patent Pending Diffusion
- Blower– Direct drive, high static
- Electrical – 3/4 HP 208/230/460v, 60 Hz, 3ph
- Inlet – Side 6" collar standard
- Sound Level – 70 dBA @ 5 ft.
- Oil Drain – 1" NPT pipe coupling (female)
- Direct mounting to machine



Features:

- 500 CFM actual
- 16 GA, all steel & welded
- 99.9% without HEPA

Typical Applications:

- Oil mist from machining centers



How It Works:

The Quest Air 500 utilizes patented, extended life, and multilayered oil mist filtration. This technology is based upon industry-accepted mist diffusion techniques and provides extremely high efficiencies along with continuous removal of collected oils. Mist laden air flow enters through a 6" inlet with heavy oil droplets being removed in the patent-pending, cyclonic pre-separation section. Air then passes through a Bernoulli chevron plate for removal of heavy oil mist. The final BD filter provides the removal of all remaining mist up to 99.9% efficiency. Clean air is discharged at the top of the unit back into the room. Oil removed from the airstream drains out of the bottom of the plenum back to the machine sump.

QUEST AIR SYSTEM BENEFITS

No Electrostatics, No Centrifugals, No Drums, No Hepa's, No kidding!
Small footprint, lightweight, quiet operation, low-cost filter replacement
Patent pending, Continuous drainage to ensure long filter life
99.9% filter efficiencies per ASHRAE 52-76

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