



TECHNICAL DATA ARNO SERIES

Mist collectors of oil mist, fume and micro-dust for machine tools 24/7



THE ULTIMATE SOLUTION

For the filtration of oil mist in metalworking workshops

VISIT OUR WEB SITE
www.arfiltrazioni.com

STRONG POINTS

ARNO SERIES

More than 25,000
units installed!

Strong!
Up to 4,000 m³/h
Up to 2360 CFM



100%

Tested units
EN: 1822
D.d.u.o.n 12772

100%

With relevant test
certificate
for each unit

80%

Re-Condensed
coolant
drained back for
re-use or collection

60%

Self-cleaning
or regenerable
filters

AR Filtrazioni is producer of a new generation of mist collectors for the re-condensation and purification of every type of atmospheric pollutant generated during machining processing of machine tools (machining centers, lathes, grinders, laser and washing machines, etc.) working till three shifts.

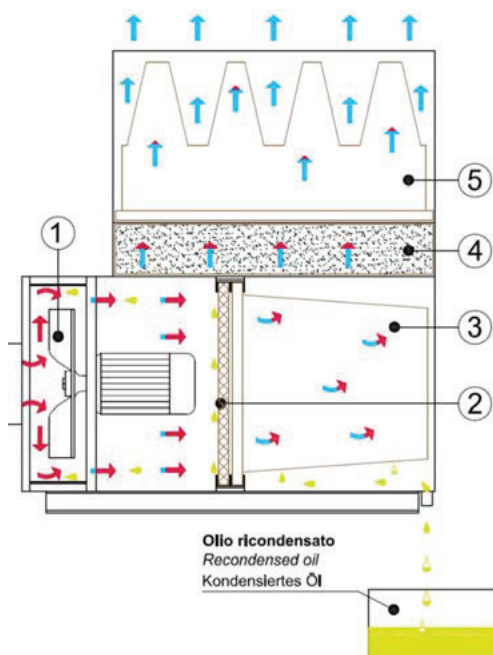
ADVANTAGES



- Easy and simple maintenance, once a year
- Robustness of mechanical parts
- Recovery of 80% of the recondensed oil
- Total compliance with the strictest Italian and European regulations
- Energy saving of 415,00 € for each plant
- Reduction of CO₂ emissions of 9,000 kg/year, for each plant
- Protection of sensitive machine tool parts
- Respect for people and environment

WORKING PRINCIPLE

Air cleaners of the ARNO series are suitable for the extraction, re-condensation and purification of oil mist, fume, micro-mist and micro-dust generated during high-duty production processing, up to 3 work shifts.



ARNO VF

1° STAGE CENTRIFUGE

SELF-CLEANING CENTRIFUGAL CONDENSER

- Self-cleaning
- Balanced (no vibration)
- It thickens 80% of the oil mist, by centrifugal effect

2° STAGE METAL FILTER

PREFILTRATION CELL IN GALVANIZED STEEL

European standards ISO EN 16890

Filtration efficiency > 95% - Particles with volume 3 μ

- Washable (12/18 months)
- Hold any chips, thanks to a robust metal frame with safety net
- Sieve effect, exploits gravity to convey the re-condensed oil into the drainage tube

3° STAGE POCKET FILTER

COALESCENCE FILTER

European standards ISO EN 16890

Filtration efficiency up to 95% - particles with volume 0.4 μ

- Replacement every 6/18 months
- Glass-fibre fabric with a wide filtering surface

4° STAGE COALESCENCE FILTER

BLACK PANEL FILTER BY COALESCENCE EFFECT

- Washable
- Diffuser
- Noise attenuator

5° STAGE HEPA FILTER

FINAL FILTRATION WITH HIGH (EPA) or VERY HIGH (HEPA) FILTRATION EFFICIENCY

European standards EN1822

Filtration efficiency up to 99.995%.

Particles with volume $\geq 0.15\mu$

- Replacement every 24/36 months

Thanks to its **modularity**, every air cleaner can be equipped with interchangeable filters of different filtration efficiency, suitable to capture particles of different sizes.

In case of particularly heavy work situations, in presence of solid dust and cast iron metalworking, the equipment is predisposed for the application of a specific pre-filtration system.

In presence of oil mist, fume and odours, VOC and formaldehyde, the air cleaners can be equipped with **active carbon cell**.

OPTIONAL

PRE-FILTER

3 WORK SHIFTS

HORIZONTAL MACHINING CENTER

HIGH PRESSURE PUMPS

WORKING PRINCIPLE ARNO VF + PRF K

X STAGE PRE-FILTRATION SYSTEM

Pre-filtration chamber

- Washable

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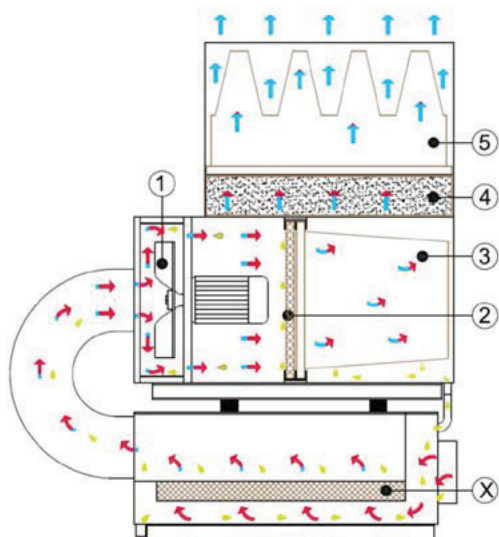
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AIR CLEANERS OF OIL MIST, FUME AND DUST FOR MACHINE TOOLS

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