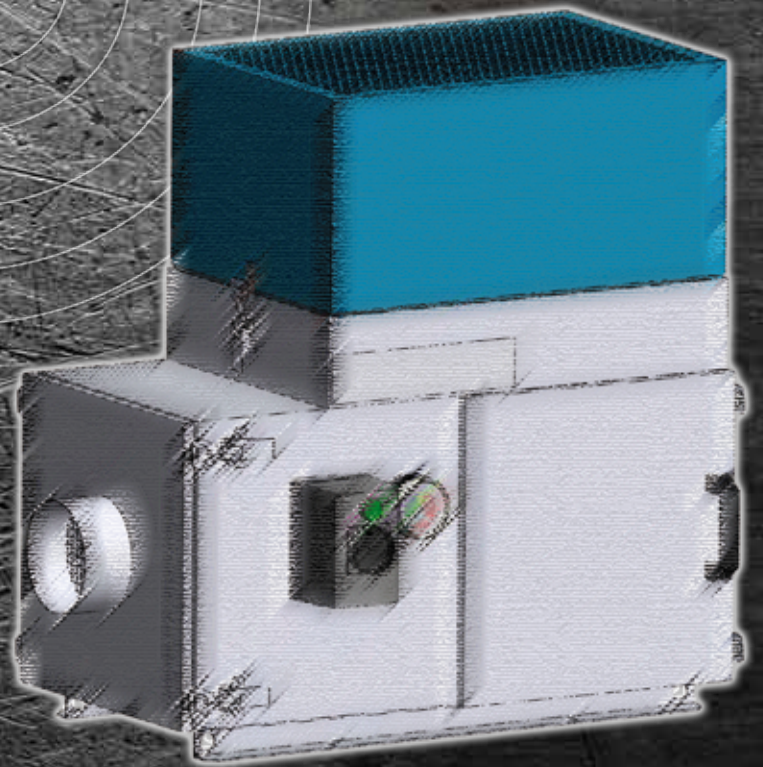
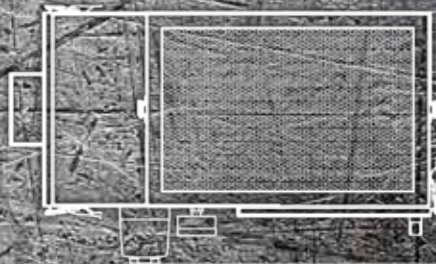
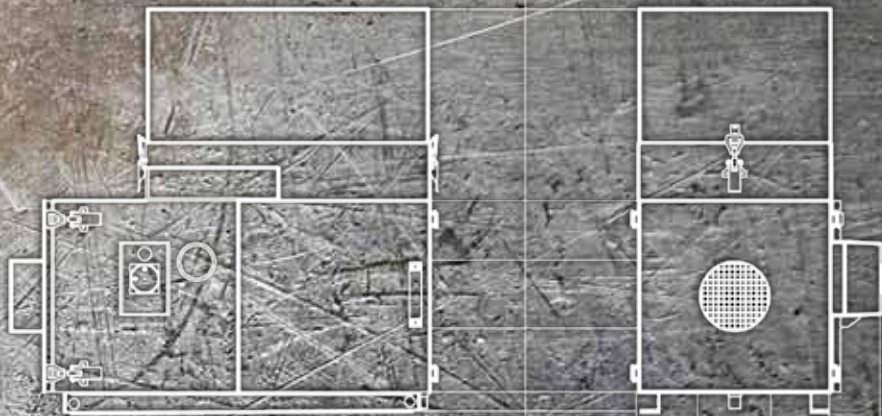


AIR CLEANERS OF OIL MIST FUME AND DUST
FOR MACHINE TOOLS



PROJECT DATA

- ✓ Robustness
- ✓ Reliability
- ✓ Efficiency
- ✓ Low and easy maintenance

End user solutions





*Air Cleaners for
high duty production machine tools
up to 3 work shifts
Modular construction
Robust reliable efficient
Easy quick yearly maintenance*

Declaration of conformity to environmental and construction standards

EC NORMS Machinery Directive 2006/42/CE	NORMS EN ISO 12100/10 EN 60204-1	Tech. Enclosure 32/2 Reg. Lombardy of 10/01/2012 D.d.u.o. n.12772 of 23/12/2011	EUROPEAN NORMS EN1822 Filtration efficiency up to 99,995%	Norm IEC 60034 ENGINES IE3 (premium-efficiency)
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Suitability

ALL MACHINE TOOLS	POLLUTANTS
Machining centres - Lathes - Grinding machines - Transfer machines - Boring machines - Milling machines - Sharpening machines Spark eroding machines - Laser machines - Die casting machines - Moulding machines - Industrial washing machines	Oil mist - micro-mist - fume micro-dust

Modular construction

Working principle	"Basic" SERIES	"Plus" SERIES	
	 <i>Oilto ricondensato Recondensed oil Kondensiertes Öl</i>	 <i>Oilto ricondensato Recondensed oil Kondensiertes Öl</i>	 <i>Oilto ricondensato Recondensed oil Kondensiertes Öl</i>
Technical data			
HIGH/HIGHEST FILTRATION EFFICIENCY 99,995% EN 1822 NORMS - Particles > 0,15 µ	Optional	On issue	On issue
OVERLOAD CUTOFF SWITCH Mandatory for EC Conformity	Optional	On issue	On issue
DEVICE TO MONITOR FILTER CONDITION	Optional	On issue	On issue
PRE-FILTRATION SYSTEM Pre-filtration of large quantity of liquid pollutant, dust and chips	Optional	Optional	On issue
ACTIVED CARBON CELL for exhalations and odours	Optional	Optional	Optional
STRAIGHT OIL/SPRAY MIX	ARNO C	ARNO CF	ARNO CPF
Models	1C - 2C - 3C	1CF - 2CF - 3CF	1CPF - 2CPF - 3CPF
Max air flow rate	1500 ÷ 3100 m³/h	1500 ÷ 3100 m³/h	1200 ÷ 2500 m³/h
Power (IE3 engines)	0,75 - 1,5 - 2,2 KW	0,75 - 1,5 - 2,2 KW	0,75 - 1,5 - 2,2 KW
Noise level	68 ÷ 72 dB	67 ÷ 72 dB	67 ÷ 72 dB
OLIO INTERO/EMULSIONATO	ARNO V/A	ARNO VFA	ARNO VPF/A
Models	0VA - 1VA - 2VA - 3VA	0VFA - 1VFA - 2VFA - 3VFA	0VPFA - 1VPFA - 2VPFA - 3VPFA
Max air flow rate	850 ÷ 4000 m³/h	850 ÷ 4000 m³/h	1000 ÷ 3200 m³/h
Power (IE3 engines)	0,55 - 0,75 - 1,5 - 2,2 KW	0,55 - 0,75 - 1,5 - 2,2 KW	0,75 - 1,5 - 2,2 KW
Noise level	68 ÷ 72 dB	68 ÷ 72 dB	68 ÷ 72 dB
OLIO EMULSIONATO	ARNO V	ARNO VF	ARNO VPF
Models	1V - 2V - 3V	1VF - 2VF - 3VF	1VPF - 2VPF - 3VPF
Max air flow rate	1400 ÷ 4000 m³/h	1400 ÷ 4000 m³/h	1100 ÷ 3200 m³/h
Power (IE3 engines)	0,75 - 1,5 - 2,2 KW	0,75 - 1,5 - 2,2 KW	0,75 - 1,5 - 2,2 KW
Noise level	68 ÷ 72 dB	68 ÷ 72 dB	68 ÷ 72 dB



*A quality solution
with a modest price and dimension*

Modular construction

Easy quick yearly maintenance

Declaration of conformity to environmental and construction standards

EC NORMS Machinery Directive 2006/42/ CE	NORMS EN ISO 12100/10 EN 60204-1	Tech. enclosure 32/2 Reg. Lombardy of 10/01/2012 D.d.u.o. n.12772 of 23/12/2011	EUROPEAN NORMS EN1822 Filtration efficiency up to 99,995%
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Suitability

ALL MACHINE TOOLS Machining centres - Lathes - Grinding machines - Boring/Milling machines	POLLUTANTS Oil mist - micro-mist - fume - micro-dust
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Modular construction

Working principle	"Basic" SERIES		"Plus" SERIES	
ECO air cleaners				
HIGH/HIGHEST FILTRATION EFFICIENCY 99,995% EN 1822 NORMS - Particles > 0,15 µ	Optional	Optional	On issue	On issue
PRE-FILTRATION SYSTEM		On issue		On issue
DEVICE TO MONITOR FILTER CONDITION	Optional	Optional	On issue	On issue
OVERLOAD CUTOFF SWITCH Mandatory for EC Conformity	Optional	Optional	On issue	On issue
ECO TWO air cleaners				
HIGH/HIGHEST FILTRATION EFFICIENCY 99,995% EN 1822 NORMS - Particles > 0,15 µ	Optional	Optional	On issue	On issue
PRE-FILTRATION SYSTEM		On issue		On issue
DEVICE TO MONITOR FILTER CONDITION	On issue	On issue	On issue	On issue
OVERLOAD CUTOFF SWITCH Mandatory for EC Conformity	Optional	Optional	On issue	On issue
STRAIGHT - EMULSIFIED OIL	ECO - ECO TWO	ECOP - ECO TWO P	ECOF - ECO TWO F	ECOPF - ECO TWO PF
Max air flow rate	750 ÷ 1100 m³/h	675 ÷ 950 m³/h	500 ÷ 1000 m³/h	500 ÷ 850 m³/h
Power	KW 0,37 - 0,55	KW 0,37 - 0,55	KW 0,37 - 0,55	KW 0,37 - 0,55
Noise level	67 ÷ 68 dB	67 ÷ 68 dB	67 ÷ 68 dB	67 ÷ 68 dB



ARF SERIES

Air cleaner	Technical data	Models		Fitness
		ARF 700	ARF 900	Fume – micro dust - odour
	Max air flow rate	700 m³/h	900 m³/h	<p><i>Laser machines, spark erosion machines, gold metal working</i></p> <p><i>Easy maintenance and recovery of precious metal dust</i></p>
Power	0,55 KW	0,75 KW (IE3 engines)		
Noise level	61 dB	61 dB		
	HIGH/HIGHEST FILTRATION EFFICIENCY 99,995% EN 1822 NORMS - Particles ≥ 0,15 µ	<i>On issue</i>	<i>On issue</i>	
	ACTIVED CARBON CELL for exhalations and odours	FA VERSION <i>On issue</i>	FA VERSION <i>On issue</i>	
	DUST BAG VERSION for dust recovery	<i>Optional</i>	<i>Optional</i>	
	MINISCRUBBER	<i>Optional</i>	<i>Optional</i>	
	ARTICULATED SELF-SUPPORTING SUCTION ARM	<i>Optional</i>	<i>Optional</i>	


ARPX SERIES

		AR2PX AR3PX	AR2PX CA AR3PX CA	Oil mist – fume – dust – odour
	Max air flow rate	3200 m³/h	3000 m³/h	<p><i>Versatile (mixed and periodical metal working)</i></p> <p><i>Modular construction</i></p> <p><i>Easy movement</i></p>
	Power (IE3 engines)	1,5 - 2,2 KW	1,5 - 2,2 KW	
Noise level	72 - 76 dB	72 - 76 dB		
	HIGH/HIGHEST FILTRATION EFFICIENCY 99,995% EN 1822 NORMS - Particles ≥ 0,15 µ	AE/AEM VERSION <i>On issue</i>	AE/AEM VERSION <i>On issue</i>	
	DOUBLE ACTIVED CARBON CELLS for exhalations and odours	<i>Optional</i>	<i>On issue</i>	
	DRAINAGE AND TANK recovering coolant liquid	N VERSION <i>On issue</i>	N VERSION <i>On issue</i>	
	ARTICULATED SELF-SUPPORTING SUCTION ARM	<i>Optional</i>	<i>Optional</i>	


ARIS SERIES

		M	L	Oil mist – fume – dust
	Max air flow rate	3000 m³/h	6000 m³/h	<p><i>High efficiency</i></p> <p><i>High duty production</i></p> <p><i>Centralisation</i></p>
	Power (IE3 engines)	1,5 ÷ 3 KW	4 KW	
Noise level	72 ÷ 76 dB	78 ÷ 80 dB		
	HIGH/HIGHEST FILTRATION EFFICIENCY 99,995% EN 1822 NORMS - Particles ≥ 0,15 µ	<i>On issue</i>	<i>On issue</i>	
	NOISE ATTENUATOR	<i>Optional</i>	<i>Optional</i>	
	ACTIVED CARBON CELL for exhalations and odo	<i>Optional</i>	<i>Optional</i>	
	ARTICULATED SELF-SUPPORTING SUCTION ARM	<i>Optional</i>	<i>Optional</i>	


COALFILTER SERIES

Air cleaner	Technical data	Models		Fitness
		4C56	8C56	Oil mist – fume – dust - odour
	Max air flow rate	5000 m³/h	10.000 m³/h	Modular construction Centralization
	Power (IE3 engines)	4 ÷ 5,5 KW	7,5 ÷ 11 KW	
	Noise level	78 dB	80 dB	
	HIGH/HIGHEST FILTRATION EFFICIENCY 99,995% EN 1822 NORMS - Particles ≥ 0,15 µ	<i>On issue</i>	<i>On issue</i>	
	NOISE ATTENUATOR	<i>On issue</i>	<i>On issue</i>	


HYDROFILTER SERIES

		M	L	Fitness
				Oil mist – fume – dust – odour
	Max air flow rate	3000 m³/h	6000 m³/h	Magnesium, aluminium, titanium dusts Highest degree of safety Modular construction Big machines/ Centralization
	Power (IE3 engines)	1,5 ÷ 3 KW	4 KW	
	Noise level	72 ÷ 76 dB	78 ÷ 80 dB c/SIL.	
	MINISCRUBBER Pre-filtration chamber with water	<i>On issue</i>	<i>On issue</i>	
	HIGH/HIGHEST FILTRATION EFFICIENCY 99,995% EN 1822 NORMS - Particles ≥ 0,15 µ	<i>On issue</i>	<i>On issue</i>	
	ACTIVED CARBON CELL for exhalations and odours	<i>Optional</i>	<i>Optional</i>	
	NOISE ATTENUATOR	<i>Optional</i>	<i>Optional</i>	
COOLANT FILTER	<i>Optional</i>	<i>Optional</i>		
HIGH LEVEL SAFETY DEVICES Fire risk prevention	<i>Optional</i>	<i>Optional</i>		




GOLDFILTER SERIES

		S	M	Fitness
				Oil mist – micro mist
	Max air flow rate	1000 m³/h	3000 m³/h	During honing and brushing For the use of abrasive Dry pre-filtration, ideal for the recovery of valuable materials
	Max pressure	210 mm/H ₂ O	230 mm/H ₂ O	
	Power (IE3 engines)	1,1 KW	1,5 ÷ 3 KW	
	Noise level	70 dB	72 ÷ 76 dB	
	HIGH/HIGHEST FILTRATION EFFICIENCY 99,995% EN 1822 NORMS - Particles ≥ 0,15 µ	<i>On issue</i>	<i>On issue</i>	
NOISE ATTENUATOR	<i>Optional</i>	<i>Optional</i>		
ACTIVED CARBON CELL for exhalations and odours	<i>Optional</i>	<i>Optional</i>		

AR10.000 SERIES

Air cleaner	Technical data	Model	FITNESS
	DWG	3804	Oil mist – fume – dust – odour
	Max air flow rate	9600 m³/h	<p><i>Modular construction</i></p> <p><i>Centralization</i></p> <p><i>Big machines</i></p>
	Power (IE3 engine)	9 KW	
	Noise level with noise attenuator	79 dB	
	HIGH/HIGHEST FILTRATION EFFICIENCY 99,995% EN 1822 NORMS - Particles ≥ 0,15 µ	<i>On issue</i>	
	ACTIVED CARBON CELLS For exhalations and odours	<i>Optional</i>	

ART SERIES

		1-2-4	ARTU 2-3	Dry dust - fume
	Drawing		2971	<p>ARTU with hopper <i>ideal for graphite</i></p> <p><i>Excellent quality-price ratio</i></p>
	Max air flow rate	3000 m³/h	3000 m³/h	
	Power (IE3 engines)	0,55 ÷ 3 KW	1,5 ÷ 3 KW	
	Noise level	65 ÷ 76 dB	72 ÷ 76 dB	
	HIGH/HIGHEST FILTRATION EFFICIENCY 99,995% EN 1822 NORMS - Particles ≥ 0,15 µ	<i>Optional</i>	<i>Optional</i>	
	NOISE ATTENUATOR	<i>On issue</i>	<i>On issue</i>	
	MECHANICAL SHAKER (on request pneumatic control)	<i>On issue</i>	<i>On issue</i>	
	HOPPER	-	ARTU M3 <i>On issue</i>	
	ARTICULATED SELF-SUPPORTING SUCTION ARM	<i>Optional</i>	<i>Optional</i>	

WORKDESK

	Drawing	Fitness				<p><i>Highest degree of cleanliness in the working environment during blowing and snagging of worked pieces</i></p> <p><i>Ergonomic design</i></p> <p><i>Protective screen</i></p>
			Width. mm	H mm	Dept. mm	
	2838	ARNO 1/2/3	1000	1750	700	
	3328	ARNO 1	850	1750	700	
	3500	ECO ECO TWO	700	1750	600	
	1620	ECO ECO TWO	500	1550	600	

AIR CLEANERS OF OIL MIST FUME AND DUST FOR MACHINE TOOLS

THE COMPANY



Founded in 1995, AR FILTRAZIONI SRL designs and produces a new generation of air cleaners for the extraction and purification of air pollutants in the workshop, paying special attention to the machine tool sector. Our twenty-six members factory and office staff work in Bergamo (40 km northeast of Milan), in a purpose-built 5500 sq. meter building.

- ✓ Converting machine tools into ecological and non-polluting ones has always been the main aim and the basis of AR FILTRAZIONI's mission and work.
- ✓ We pride ourselves in the design of technologically innovative devices which seek to create a "Green" industrial environment.
- ✓ Continuous development is the primary objective.

Our company has an extensive distribution network, through which we are able to service and support all customers in an efficient and effective way.

THE PRODUCT



- + Mechanic filtration with a very high filtration efficiency up to 99,995%
- + Respect for the ecosystem: decrease of CO₂ emissions
- + Respect for workers: a healthy and clear working environment
- + In complete accordance with the strictest rules and safety regulations
- + Protection of especially vulnerable machine components, guaranteeing precision and extending operating life
- + Recovering approximately 80% of re-condensed oil
- + High energy saving on heating and air-conditioning costs

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