

OIL MIST FILTER: COMPLETE, SOLUBLE, SYNTHETIC AND POLYMERS.

USE IN MACHINE TOOLS:

LATHES, MACHINING CENTERS, GRINDERS, MILLING MACHINERS, TOOL SHARPENERS, TEMPERING AND WASHERS.

WE HAVE BEEN ON THE BRAZILIAN MARKET SINCE 1996, PROVIDING MIST FILTERS WITH QUALITY, ROBUSTNESS AND LOW OPERATIONAL COSTS.

MOD 200HX
UNBEATABLE PRICES FOR
YOUR CATEGORY.
CONSULT.

200HX – 2HP
400HX – 4HP



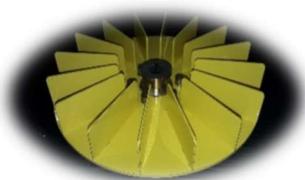
100% NATIONAL PRODUCT –
IMMEDIATE DELIVERY OF
ANY COMPONENTS, FILTERS
OR OPTIONS.

WE PROVIDE QUALITY,
ROBUSTNESS AND LOW
OPERATIONAL COSTS.

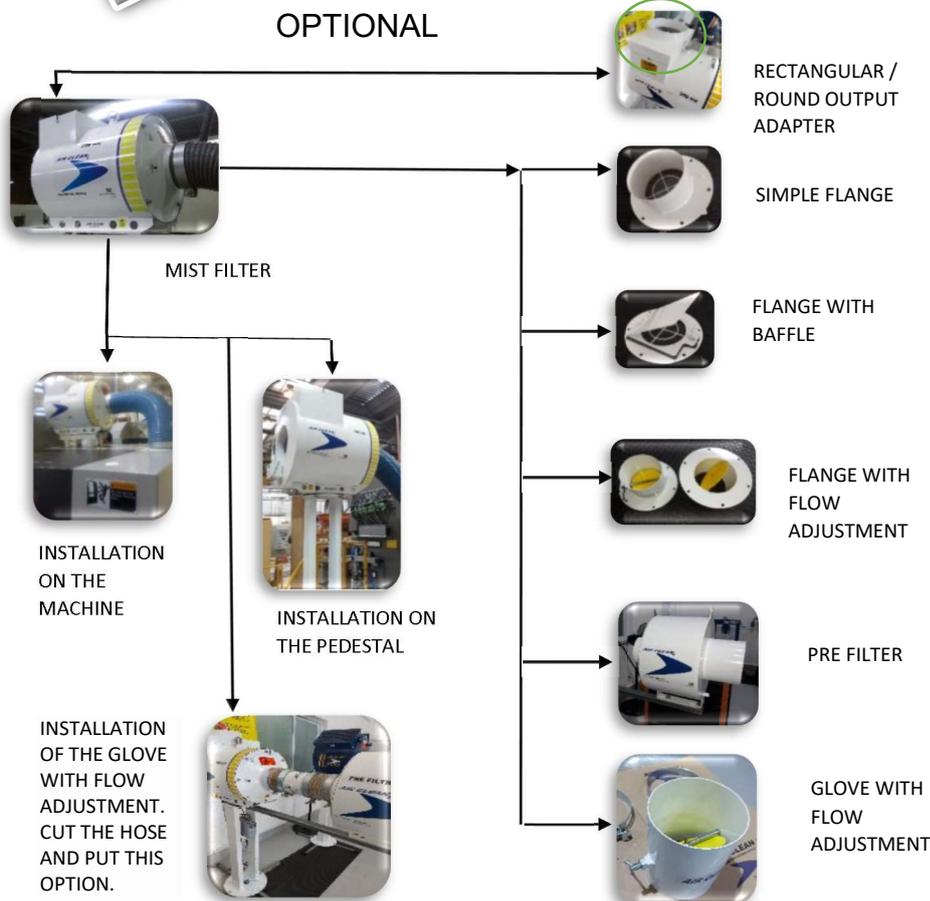


100HX – 1HP

OPEN ROTOR
DOES NOT UNBALANCE.



OPEN ROTOR WITH
ALUMINUM BEARING - WITH
EXTRACTOR ATTACHED TO
THE ROTOR.





AIR CLEAN

Industrial Solutions LTDA.

OIL MIST FILTER.

Contact: 55 51 999999091

WhatsApp: 55 51 999999091 (24h)

E-mail: airclean@airclean.com.br

Site: www.airclean.com.br

TECHNICAL DATA	MODEL 100	MODEL 200	MODEL 400	UNIT
FLOW (at -1 ATM).	750	1.450	2.250	M3/h
MOTOR POWER	1.0	2.0	4.0	HP
MAXIMUM RPM	3.450	3.450	3.450	RPM
NOISE LEVEL (at 1 METER)	< 49	< 55	< 68	dB
WEIGHT	29	38	65	Kg
EXTERNAL DIMENSIONS	W=350 H=450 L=550	W=400 H=500 L=600	W=550 H=650 L=700	mm mm mm
WORKING TENSION	220/380/440	220/380/440	220/380/440	V
NOMINAL ELECTRICAL CURRENT	2.91/1.68/1.46	5.64/3.27/2.82	10.5/6.21/5.36	A
ENTRY FLANGES	Ø 100 (4")	Ø 150 (6")	Ø 200 (8")	mm/Pol.
FILTRATION EFFICIENCY FOR PARTICLES < 3µ.	99.95	99.95	99.95	%
ENERGY EFFICIENCY	925	750	562	M3/h/Cv

TAIR CLEAN TECHNOLOGIES.

- OPEN ROTOR.
- DOES NOT UNBALANCE.
- LOW-COST REFILL.
- OVER 20 YEARS USEFUL LIFE.

ADVANTAGES AND ECONOMY.

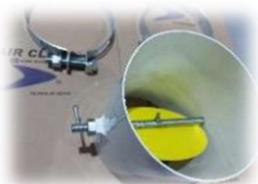
- Saves cutting oil.
- Rotor with robust bearing.
- Prevents oil from depositing in the Installations.
- Help with environmental policy.
- Low cost when changing refills.
- Low installation cost.

PRIMARY PRE-FILTER.

Benefits:

- Increases the useful life of internal elements.
- Reduces the need to change refills.
- Ability to retain solids and particles.
- Cost of refilling the primary Pre-Filter: 1/3 of the value of the Filter refill.
- Replaces the machine's output flange.
- Flow regulation included in the Pre-Filter, making it possible to reduce the flow and consequently reducing electrical energy consumption.

GLOVE WITH FLOW ADJUSTMENT (Installed at any point of the inlet hose).



PRIMARY PRE FILTER.
SECONDARY POST FILTER.

CHOOSE A REPRESENTATIVE FROM YOUR REGION ON OUR WEBSITE. THEY WILL ASSIST YOU AND SUPPORT YOUR NEEDS.

WEBSITE: WWW.AIRCLEAN.COM.BR



OPTIONS - SINGLE FLANGES OR WITH FLOW ADJUSTMENT OR WITH SOLID DEFLECTOR.



AIR CLEAN – Focused on protecting the environment, saving cutting oil and protecting the health of its partners. An ISO 14,000 company needs this Collective and Individual Protection equipment.



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KITS FOR FILTERS. All of our filter kits are made to speed up preventative maintenance. With these kits in your stock, replacement will be quick and will guarantee that your equipment will be using the weight and porosity according to factory specifications. They are very low cost and are already cut to the correct size and shape, with the appropriate glue and instruction manual.

- Mist Filter Kits for all models already manufactured.
- Sealing kits.
- Fixing kits with safety clips.
- Kits for Primary Pre-Filter.



FILTER - REFIL
PREVENTIVE KIT



SEALING KIT



FIXATION KIT



PRE FILTER - REFIL
PREVENTIVE KIT

OUR FACTORY IN GRAVATAÍ – WE LOOK FORWARD TO YOUR VISIT.



Our factory is clean and organized. All this to be able to serve our customers with high quality.

All final tests are carried out on the bench, ensuring a high level of efficiency and less discomfort for our customers.

We sell to the most demanding Customers in the Brazilian Market. All pieces are national.

IMMEDIATE DELIVERY – WE KEEP STOCK OF ALL FILTERS AND COMPONENTS.

CHANGING FILTERS WITHOUT REMOVING THE ELIMINATOR FROM THE LOCATION - THIS IS POSSIBLE WITH THEIR LIGHTWEIGHT COVERS AND FEW SCREWS - CHANGING ALL REFILLS IN 30 MINUTES.



AIR CLEAN – Focused on protecting the environment, saving cutting oil and protecting the health of its partners. An ISO 14,000 company needs this Collective and Individual Protection equipment.

AIR CLEAN is the company that manufactures specific equipment for eliminating mist produced in machine tools, which uses cutting oil: soluble or integral or tempering polymers. It was built and tested for the most rigorous industrial use situations. Its function is to separate the mist, by centrifugation, and filter the solids. In this centrifuge, the absence of mist in the air reaches 99.95% efficiency. The centrifuged oil returns to the inside of the machine to be reused. After centrifugation, the air goes through two more stages of static filtration, which ensures the removal of final solids. The **AIR CLEAN** Mist filter has a low level of noise and vibration, high robustness and reliability. Its design is aimed at low maintenance and ease of preventive maintenance. To facilitate preventive maintenance, we offer kits containing: refills, sealing rubbers and all equipment components.

MOD 100HX / MOD 200HX / MOD 400-HX WITH OPEN ROTOR - CREATION OF AIR CLEAN.

OPEN ROTOR is a technological difference. This rotor does not have a refill like other manufacturers. As the rotor is open, it only serves to suck the mist into the eliminator and direct the oil particles to the static refill, which is fixed to its body. The advantages of this system are reflected in the low need for maintenance and the main benefit is that it does not become unbalanced, because no solid particles accumulate inside the rotor.



TECHNOLOGICAL DIFFERENTIALS OF AIR CLEAN MIST FILTERS.

DURABILITY - AIR CLEAN equipment is built with robust, treated sheets to resist impacts and have a useful life of over twenty years in an industrial environment. Epoxy paint and protective varnish.

ALUMINUM BEARING ROTOR - The rotor is fixed to a bearing using bi-chromated screws, and fixed to the engine with a key that guarantees easy and efficient maintenance. There are openings in the bearing to facilitate its removal using a puller. Everything is designed for easy maintenance. Most filters on the market have bearingless rotors (pressed onto the motor shaft), which after removal are lost and must be replaced.

STAINLESS STAINLESS, ALUMINUM AND BI-CHROMATED PARTS - All screws, washers, nuts, bearings and other components are stainless steel or treated with bi-chrome plating, which guarantees a long life of these components without suffering from rust. None of the components rust.

INTERCHANGEABILITY - All replaceable parts are interchangeable between all models ever built.

LOW-COST REFILL - All refills are easily found on the market. If the customer wishes to make their refills, all the technical specifications can be found on the Air Clean website. We also provide ready-made kits that facilitate preventive maintenance.



We have all the accessories for assembly: 2-meter pedestal, hoses, adapters for any type of machine, clamps, electrical box and everything to facilitate installation.

