

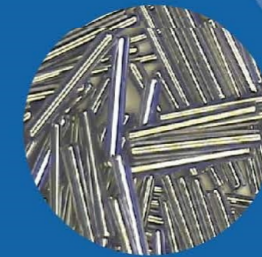
Global Sales Network



Vacancies for valuable distributors / agents in certain countries are available.

AOF EUREKA, INC.

Factory: No. 611-6, Fengzhou Rd., Shengang Dist., Taichung City 42949, Taiwan
Taiwan Tel: +886-4-2201-4701 Fax: +886-4-2203-6013
www.eureka.com.tw E-mail: lw.machine@msa.hinet.net



Machine Tools Accessories PRODUCTS CATALOGUE



THE EXCELLENCE IN FILTRATION, BY NATURE

Eureka

EUREKA AOF Oil Mist Air cleaner



AOF is specifically designed for machine tools and developed for the elimination of mist, smoke and odor, typical of wet machining operations in metal cutting applications.

FEATURES

- Patented conical filter technology.
- Large selection of capacities.
- The AOF series has a complete line of dedicated accessories for installation on machine tools.
- To eliminate odor and VOC, the filter cells can be regenerated simply by replacing the carbon.
- Requires far less maintenance or filter replacements than existing technology.
- Price competitive with foreign manufacturers.
- Its clogging is monitored with a pressure gauge.
- Filter life is about 1 to 3 years.
- Filtration Module: HEPA removal efficiency eliminates dry smoke, typical of certain applications where straight oil is utilized.
- CARBON Filtration Module: activated carbon filtration (Optional).
- Easy-to-Read Gauge: Indicates normal operation and when filter elements need maintenance.



LED lamp indication is available (Optional).

1st - Stage Pre-Filtering System

The oil mist airstream initially collides with the fish scale profile, coalescing the mist into larger droplets. Then, through a wind shear effect with the 70-degree, self-draining mesh filter, additional smoke and particles greater than 2 microns ($2\ \mu\text{m}$) are captured.



Patented 70-degree conical mesh filter featuring an innovative fish scale profile on the leading edge and a synthetic mesh overlay. A built-in handle makes maintenance easy on this washable element.



2nd - Stage Airflow

The efficient centrifugal impeller fan located in the 2nd chamber provides highly efficient system airflow at low running noise and continues the running process.



3rd - Stage After-Filter

Finishes the air purification to a 99.97% filtering efficiency by capturing all particles before releasing the purified air back into the plant.



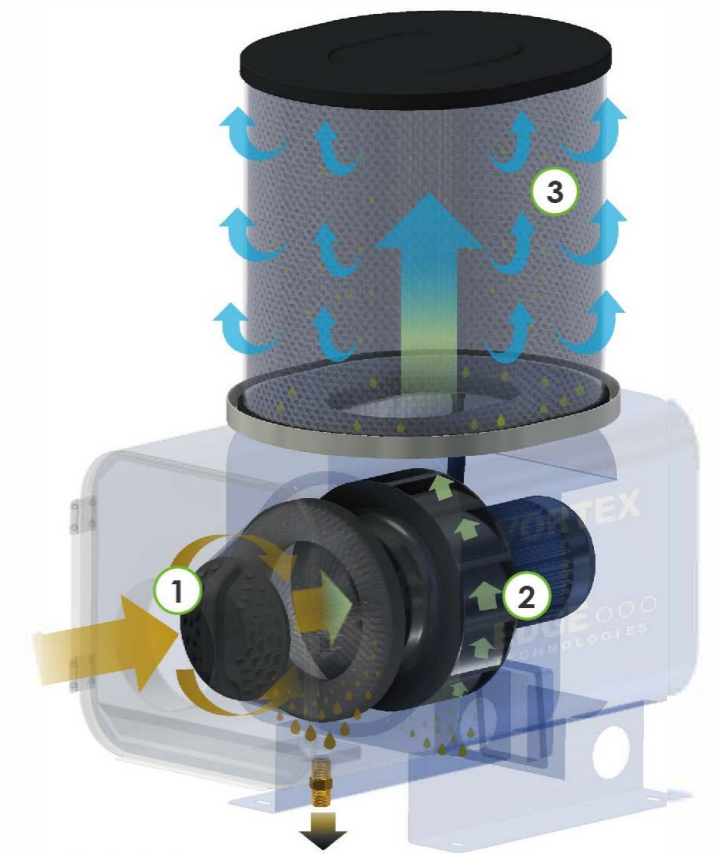
Quality Guarantee

- Designed in Europe. Manufactured, tested and assembled in Taiwan.
- The guaranteed level of efficiency is **99%~99.97%** MPPS according to E12/HEPA.

Description of After-Filters

Filtrating area increased by 20% (Compared to general round after-filter)

- Oil capture efficiency: **99~99.97%**
- Filtrating accuracy: $0.01\ \mu\text{m}$
- The AOF purification equipment works with the principle of air excitation → mitigation → filtration. This may effectively enhance the settlement speed of oil mist, smoke and haze, while exhibiting high efficiency and high accuracy features.



Oil Drain Outlet:
Precipitated droplets are collected and returned to the coolant tank.



S series (Standard type)

- For soluble coolant
- Filtrating water mist, particle $\geq 0.5\ \mu\text{m}$
- 300 mm long

P series (Practical type)

- For oil-based coolant
- Filtrating oil mist, particle $\geq 0.03\ \mu\text{m}$
- 400 mm long

(Custom-made)

PL series (Long-acting type)

- For oil-based coolant
- Filtrating oil mist, particle $\geq 0.02\ \mu\text{m}$
- 600 mm long
- Filtrating area increased by 200% (Compared to P series).

(Custom-made)

PM series (High efficiency type)

- For toxicant oil-based coolant
- Filtrating oil mist, particle $\geq 0.01\ \mu\text{m}$
- 600 mm long
- With active carbon ingredients.

Model	Power Source	Motor	Air Flow Rate (m ³ /min) (50Hz / 60Hz)	Static Pressure (kPa) (50Hz / 60Hz)	Noise Value db (A) (50Hz / 60Hz)	Filtrating Effect	Weight (Kg)	Air Inlet Port	Applicable Space
AF-10P	3 PHASE AC220V or AC380V 50/60HZ	0.2 KW	11 / 13.5	0.65 / 1.05	65 / 68	99.97% EU E12 Standard	42	Ø150	< 6m ³
AF-20P		0.4 KW	18 / 20.5	0.88 / 1.38	69 / 73		47	Ø150	< 12m ³
AF-30P		0.75 KW	29 / 32.5	1.15 / 1.65	70 / 74		65	Ø200	< 24m ³
AF-40PL		1.15 KW	40 / 48.5	1.45 / 1.95	71 / 75		80	Ø250	< 32m ³

EUREKA Coolant filtration system

Paper Filter: PF-Series

1. Paper Filter (Paper Band Filter) can filter contaminant by filter media.
2. Filter media moves automatically when the contaminants accumulates and clog filter media. Clean filter media is replaced and the soiled filter media is moved to a sludge box.

PF CAPACITY L/MIN: 20~500

FEATURES

1. Filter both ferrous and non-ferrous contaminants.
2. Filtration accuracy depends on filter media, choosing from 50, 30, or 15 micron.
3. Paper Filter is not suitable for heavy duty because it will consume too much filter media.
4. In order to reduce consumption of filter media, use magnetic separator as previous filtration process.



PF-120

Magnetic Separator: MC-Series

1. The Magnetic Separator is suitable for heavy duty grinding machine.
2. No filter media consumption in the Coolant Filtration System.
3. Cost effective for purchasing Coolant Filtration System.
4. Easy to fit in other Filtration Devices as a previous filtration process.

MC CAPACITY L/MIN: 20~1000

FEATURES

1. Most economical application to heavy machining for ferrous metal.
2. No filter media consumption. Serve as rough filtration in process.



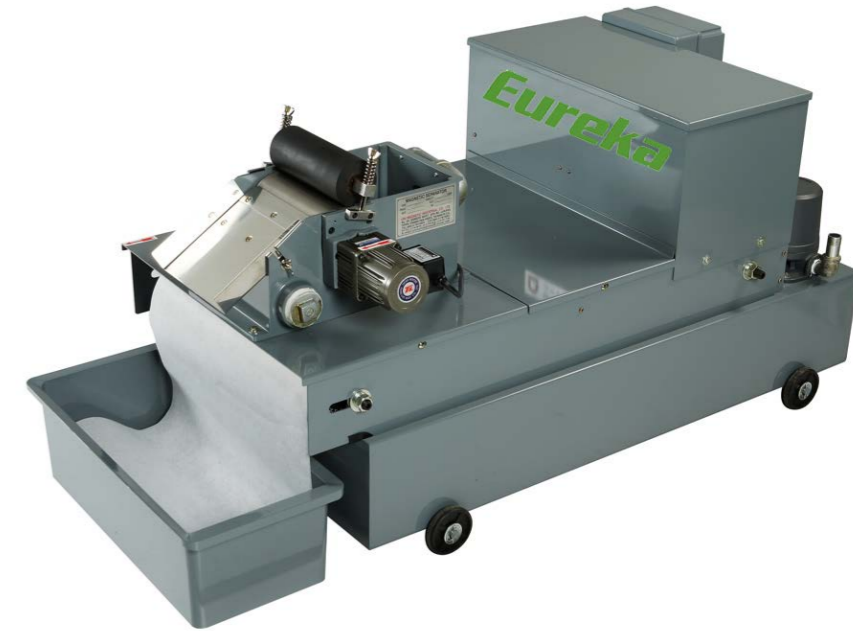
MC-500

Magnetic Separator and Paper Filter: MPF-Series

MPF CAPACITY L/MIN: 20~500

FEATURES

Combination of Magnetic separator and Paper filter, it is able to filter ferrous and non-ferrous particles. Use Magnetic Separator as pre-filter to remove large and ferrous particles to save cost on filter paper and increase filtration efficiency.



MPF-60

Drum Type Paper Filter: DPF-Series

The Drum Type Paper Filter filters contaminants by filter media. The filter media moves automatically when the contaminants accumulate and clog filter media. Clean filter media is replaced and the soiled filter media is moved to a sludge box.

FEATURES

1. Small space requirements, only 1/3 of conventional paper filter.
2. Suitable for coolant filtration to extend coolant service life.
3. Multiple filtration purposes. DF is able to filter ferrous metal, non-ferrous metal and non-metal materials.
4. Full-auto discharge to make coolant clean so as to provide brilliant surface of workpiece.
5. Filtration efficiency is subject to paper band. Choose 50u, 30u or 15u.
6. DF is able to equip with magnetic separator for rough filtration to reduce filter paper consumption.



DPF-200

EUREKA Coolant Purification System

EUREKA Coolant Purification System Specification	
Model	CFM
Machine size (L x W x H)	520 x 410 x 880mm
N.W.	45kg
Power	Single Phase. 220V.AC 50Hz 0.042Kw
Power Consumption	Consumption of 1 KWH of electricity in 24 hours
Suction Capacity	10-30 Lit. / Minute
Value of Ozone	500mg / hr (produce 500MG of ozone per hour)



FEATURES

Filtering of impure substances

It filters suspended iron debris and other impurities, to avoid the backwash influencing the surface of the workpiece.

Oil/water separation

Removes slide oil and foreign body oil on surface of the cistern, to achieve oil-water separation quickly and thoroughly.

Ozone disinfection

Ozone functions can effectively kill certain bacteria, so that the coolant does not deteriorate.

Water quality purification

It does not change the concentration of coolant, to restore the clarity that coolant should have.

No supplies Reduces costs

Save on the costs of waste oil recycling treatment.

Extend tool life

Extend time of use for coolant, increase tool life, and raise processing accuracy.

Safeguards your health and improves the environment

Avoid inhaling the fumes produced by processes which cause harm to the human body, exempt from irritation resulting from skin contact, and improves smelly working conditions.



Chip / Sludge Removal Machine

Table Specification	
Model	CRM
Net Weight	49 kg (W/O Pipe Accessories: 5kgs)
Size	53 x 54 x 91 cm
Filter Barrel Capacity	10.5L
Maximum Processing Capacity	180 Liters/min (47.49 Gallons/min) test with water)
Filtration Accuracy-Standard	380um / 190um
Accessories / Precision Type	
Filter Material	304 stainless steel



Still cleaning the water tank in the traditional way?

Traditional Cleaning Method: stop the machine > laboriously pull out the water tank > remove oil or water > start digging out iron debris, sediment and other materials. The procedure is complex and time consuming.

The Chip / Sludge Removal Machine can solve your problems quick and easy.

Help you clean the water tanks in a much simpler way!

Dexterous size that helps you also save space & transportation cost.

FEATURES

- There is no need to shut down for quick processing and you can easily solve the problems of dusty sludge deposition.
- It can be used for water-based and oil-based cutting fluids, metal cuttings, aluminum powders, and non-magnetic metal particles.
- Surface floating debris, bottom fine chips, bottom sediment and other deposits can be quickly processed and recycled.
- Effectively save time and cost of cleaning the water tank. The double filtration (optional – precision type) grinding powder can be easily recycled.
- It is easy to move and can be used on one or more platforms.
- It can be adjusted to different filter accuracy requirements.



Air Operated Diaphragm Pump Specification

Net Weight	10 kg
Liquid Inlet & Outlet	1" PT
Air Outlet	3/8" PT
Lowest Pressure	0.5 Bar (kgf/cm ²)
Max Pressure	8.3 Bar (kgf/cm ²)

EUREKA Magnetic De-burring & Polishing Machine



HD-765
12KG grinding capacity

HD-750
8KG grinding capacity

HD-745
5KG grinding capacity

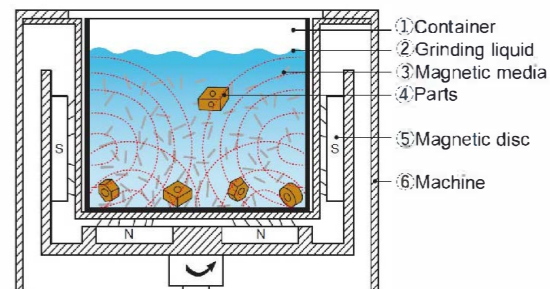
MODEL	DIMENSIONS (LxWxH)	CONTAINER SIZE (LxH)	POWER	WEIGHT
HD-728	410 x 530 x 970mm	Ø260 x 270mm	Single phase 220VAC (50/60Hz)	65KG
	Max. processing capacity (reference value)		STANDARD ACCESSORIES	
	Copper, stainless steel, aluminum, zinc (non-magnetic material)	1KG	1. Stainless pins / 2KG (Standard dimension) 2. Plastic container / 2 set 3. Separating container / 1 set 4. Magnetic sleeve / 1 set 5. Grinding liquid / 2000cc 6. Operation manual	
	Iron, steel, stainless steel (magnetic material)	0.5KG		
HD-735	560 x 630 x 1020mm	Ø350 x 160mm	Single phase 220VAC (50/60Hz)	100KG
	Max. processing capacity (reference value)		STANDARD ACCESSORIES	
	Copper, stainless steel, aluminum, zinc (non-magnetic material)	3KG	1. Stainless pins / 4KG (Standard dimension) 2. Plastic container / 4 set 3. Separating container / 1 set 4. Magnetic sleeve / 1 set 5. Grinding liquid / 4000cc 6. Operation manual	
	Iron, steel, stainless steel (magnetic material)	1.5KG		
HD-745	610 x 700 x 1120mm	Ø400 x 300mm	Single phase 220VAC (50/60Hz)	135KG
	Max. processing capacity (reference value)		STANDARD ACCESSORIES	
	Copper, stainless steel, aluminum, zinc (non-magnetic material)	5KG	1. Stainless pins / 5KG (Standard dimension) 2. Plastic container / 2 set 3. Separating container / 1 set 4. Magnetic sleeve / 1 set 5. Grinding liquid / 5000cc 6. Operation manual	
	Iron, steel, stainless steel (magnetic material)	2KG		
HD-750	810 x 790 x 1070mm	Ø500 x 200mm	Single phase 220VAC (50/60Hz)	150KG
	Max. processing capacity (reference value)		STANDARD ACCESSORIES	
	Copper, stainless steel, aluminum, zinc (non-magnetic material)	8KG	1. Stainless pins / 6KG (Standard dimension) 2. Plastic container / 4 set 3. Separating container / 1 set 4. Magnetic sleeve / 1 set 5. Grinding liquid / 6000cc 6. Operation manual	
	Iron, steel, stainless steel (magnetic material)	3KG		
HD-765	960 x 1000 x 1100mm	Ø650 x 250mm	Three phase 220/380VAC (50/60Hz)	234KG
	Max. processing capacity (reference value)		STANDARD ACCESSORIES	
	Copper, stainless steel, aluminum, zinc (non-magnetic material)	12KG	1. Stainless pins / 12KG (Standard dimension) 2. Plastic container / 2 set 3. Separating container / 1 set 4. Magnetic sleeve / 1 set 5. Grinding liquid / 12000cc 6. Operation manual	
	Iron, steel, stainless steel (magnetic material)	5KG		

Magnetic De-burring & Polishing Machine

The magnetic de-burring & polishing machine makes use of innovative and patented magnetic field power to induce the stainless steel media (PIN) to rotate rapidly for workpiece grinding and to get high efficiency de-burring, polishing, cleaning, and grinding effects.



Principle:



Outstanding Advantages and Features

Magnetic de-burring machine parts VS. Traditional grinder's shortcomings

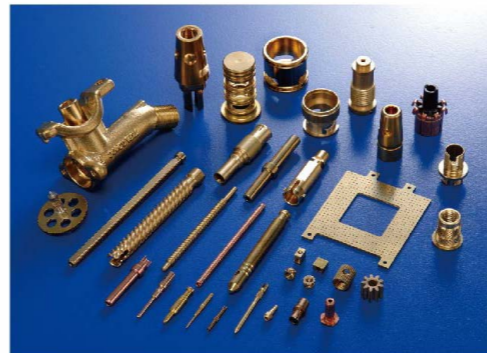
Grinding pins
Workpiece

Grinding stone
Workpiece

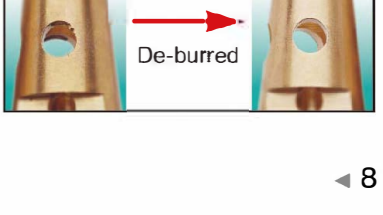
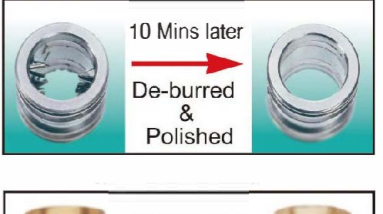
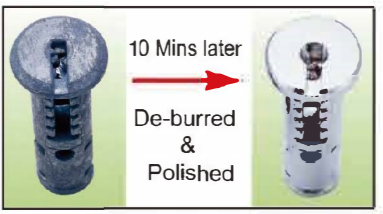
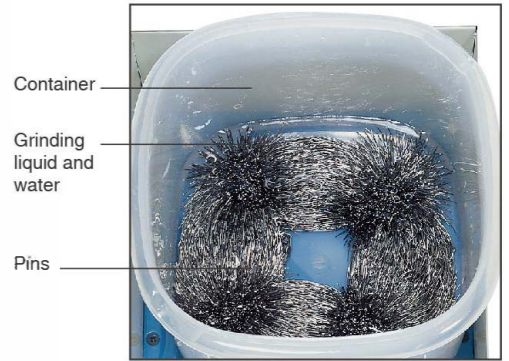
- The patented grinding pins work for holes, seams, concave right angles, threads, and other fin parts of the workpiece with a very high speed. It takes only about 5 to 20 minutes to finish the grinding.
- De-burred, polished, cleaning
- Sintering, tool marks removal
- Joint line removal
- Remove oxide films
- Rubber and plastic deburr
- Copper increase surface hardness

Strong special grinding effects

- Specially designed for irregular-shaped parts. De-burring, polishing, cleaning and grinding simultaneously.
- High speed grinding, easy and safe to operate, requiring no consumable, and low cost.
- The grinding never deforms the workpiece, never damages the surface, and never affects the accuracy of the precision of the workpiece.



- ### Apply to
- CNC lathes and processed parts
 - Aluminum, zinc pressurizing parts
 - Precision stamping parts
 - Precision springs, spring bands
 - Aerospace, medical equipment parts
 - Electronic components



EUREKA CHIP

COMPACTOR CPC SERIES



FEATURES

- * Chip after 120 tons pressured volume reduce from 1/5 to 1/50.
- * Save space and freight cost.
- * Chip chunk contain liquid below 4 % that recycle liquid 96% cost.
- * Machine including to manual recycle motor easy to collect liquid.
- * Increase recycle value.
- * Optzonal : Auto coolant collecting system

FORM PROCESS

Chipping → Input by screw → Compacted → Formed



Machine select

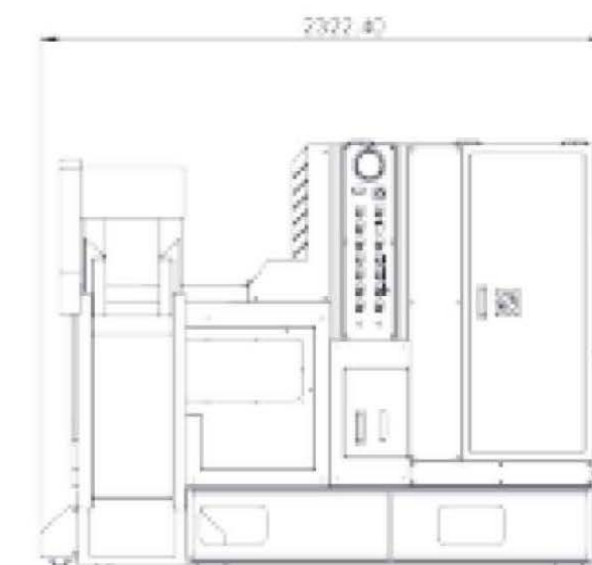
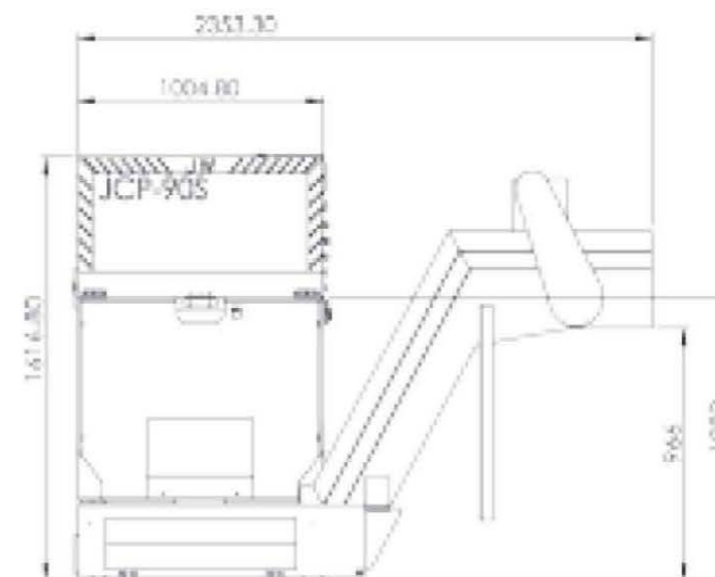
Please following below item to choice machine as chip martial , shape and hardness...etc to testing.

1. If chip length is too long which needs to smash before chip pressure.
2. Inflammable,Hardness over HRC30 or too big chip could not be pressured.

Specifications

Specification	CPC-72S	CPC-90S	CPC-120S
Compress capacity	100 Tons	100 Tons	100 Tons
Max. working pressure	190kg/cm2	190kg/cm2	190kg/cm2
Diameter of compressed block	Ø72mmx70L(±)	Ø90mmx90L(±)	Ø120mmx90L(±)
Max. length			
Oil tank capacity	105L	105L	105L
Main motor	15Hp	15Hp	15Hp
Vertical motor	0.75Kw	0.75Kw	0.75Kw
Horizontal motor	0.4Kw	0.4Kw	0.4Kw
Capacity of Input material box	150L	150L	150L
Height of input material box	1082mm	1082mm	1082mm
Dimension (Excluded conveyor)	2322x1004x1616mm	2322x1004x1616mm	2322x1004x1616mm
One cycle time (Estimated)	15second(±)	15second(±)	15second(±)
N.W of machine	2200kgs	2200kgs	2200kgs
Hydraulic oil included RS32 or S68			

We reserve the right to modify & specifications, so that, those are subjected to change, Without prior notice.



EUREKA OIL FILTER POF Series



The use of EUREKA Machine Tools deep precision oil Filter will eliminate the need For oil change, and the more the oil is used, the cleaner it will get. This will reduce the probability of machine Failures.

What & Why?

Why did the oil get polluted?

- * Metal powder: generated by the friction of pumps, valves, pipelines, and hydraulic cylinders.
- * Moisture: generated by cold-hot effect, air condensing water droplet, and the leakage of cooled heat exchangers.
- * Sludge: general term for pollutants beyond moisture, which include fine dusts and dust consumables which cannot be eliminated by long-term filtering.

What will the machine be affected?

- * The friction between impurities and sludge in the oil will lead to increased oil temperature and the generation of oil gas. This oil gas will be condensed upon meeting the cold air thus speeding up the pollution of oil.
- * Moisture will reduce the oil viscosity and affect the lubricating effect such that the machine abrasion will be accelerated leading to valve sticking and machine malfunction.
- * The mixture of moisture and sludge in the oil will speed up the oxidation of oil.



Unique features

- >> The microscopic particles in the used oil and the trace moisture generated by increased oil temperature can be absorbed by specialized filter paper such that longer filtering time will lead to cleaner oil.
- >> Clean oil allows the stable operation of machines, reduce maintenance, prolong machine lifetime, maintain production quality, reduce product nonconformity, reduce production cost, and enhance competitiveness.
- >> Our product is capable of filtering all kinds of oil products including Lubricating oil, Hydraulic oil, Refrigeration oil, Thermal medium oil, Anti-rust oil, Insulating oil, Cutting oil, Gear oil, EDM oil, Diesel, and PFPE Oil.
- >> Widely applicable for different industrial machine such as Injection molding machines, Blow molding machines, Shoe-making machines, Stamping presses, EDM, Rubber machines, Grinding machines, Extrusion machines, Textile machines, Automation control machines, Vacuum pump, Forklifts, Cranes, and Hydraulic elevators.

*** Filtering effectiveness is even better during machine operation ***



Model selection

Suitable for oil tanks with volume 300~2000 liters

- >POF-2 / for tank volume 300~500 liters / Filtering flow rate 1.3~6.6 liter/min
- >POF-3 / for tank volume 600~700 liters / Filtering flow rate 2.0~10.7 liter/min
- >POF-4 / for tank volume 800~1000 liters / Filtering flow rate 2.6~14 liter/min
- >POF-5 / for tank volume 1100~1300 liters / Filtering flow rate 3.3~17.3 liter/min
- >POF-6 / for tank volume 1400~1600 liters / Filtering flow rate 3.9~21 liter/min
- >POF-7 / for tank volume 1700~2000 liters / Filtering flow rate 4.6~25 liter/min

Core filter

- 1.POF oil filter core are produced from special fiber with thick filter core structure that is produced through a high-density and high-pressure process
- 2.Thick layer of crepe tissue filter core enables high performance filtering
- 3.The anti-blocking design to ensure the durability.
- 4.It can be used for all kinds of oil products such as Hydraulic oil, Lubricating oil, Thermal medium oil, EDM oil, Anti-rust oil, Insulating oil, Diesel, Cutting oil, Gear oil, PFPE oil and Refrigeration oil.
- 5.With continuously oil filtration system, it can filter out particles under 0.1 microns, clearness performance reach to NAS grade 6~9



- Model:
- P-30 : Absorption volume of impurities / water : 30 g / 60 cc
 - P-50 : Absorption volume of impurities / water : 50 g / 130 cc
 - P-100 : Absorption volume of impurities / water : 80 g / 200 cc