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Product Manual

·Precision Filtration System

Backwash Filter

Negative Pressure Vacuum Filter

Drum Type Paper Tape Filter

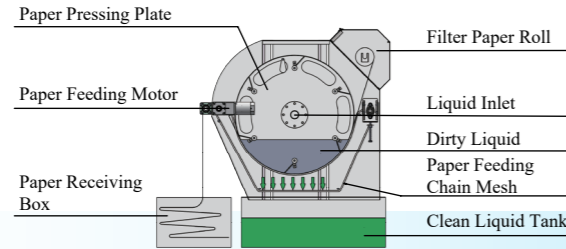
·Oil Mist Collector

Filter system for carbide Hss processing

Refrigerator / Oil mist collector

Technical Development

The G - series (high - speed steel) filtration equipment features an integrated design combining filter cartridge filtration, magnetic separation, constant temperature control, spindle cooling, oil mist removal, and dust collection. PLC - automated control minimizes human intervention, purifies the factory environment, efficiently filters high - speed steel dust and grinding wheel powder, ensuring more stable grinder operation, higher workpiece machining accuracy, and faster processing speed.

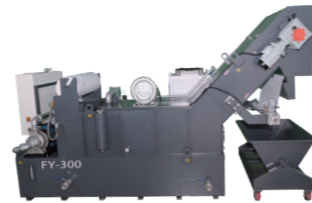


The X - series (carbide) filtration equipment, with patented technology, filters particles over 1µm.

Its automatic control system cleans filter cartridges, removes slag, and enables their reuse, extending replacement cycles. The dirt - cleaning process has adjustable time settings and runs without halting operations. Waste slag is automatically discharged for easy recycling.

Device parameters

PROJECT	X-100	X-200	X-300	X-400	X-600
Capacity	700L	1100L	1600L	1800L	2400L
Accuracy	1-3µm	1-3µm	1-3µm	1-3µm	1-3µm
Flow Rate	120±10%/min	240±10%/min	360±10%/min	480±10%/min	720±10%/min
Vessel	1Pcs	2PCS	3PCS	4PCS	6PCS
Filter Power	1*2.2KW	1*3.0KW	1*4.0KW	2*3.0KW	2*4.0KW
Voltage	380V 50HZ	380V 50HZ	380V 50HZ	380V 50HZ	380V 50HZ
Air Pressure	0.6Mpa	0.6Mpa	0.6Mpa	0.6Mpa	0.6Mpa
Dimension	2.0*1.05*1.55M	2.0*1.8*1.55M	2.5*1.95*1.85M	2.6*1.95*1.85M	3.5*1.85*1.85M
Chiller	1*3P 7KW	1*5P 12KW	1*5P 12KW	1*10P 25KW	1*10P 25KW
Grinder	1	2	3	4	6



PROJECT	G-100	G-200	G-300	G-400
Capacity	1000L	1600L	2000L	2400L
Accuracy	3-5µm	3-5µm	3-5µm	3-5µm
Flow Rate	120±10%/min	240±10%/min	360±10%/min	480±10%/min
Vessel	1PCS	2PCS	3PCS	4PCS
Filter Power	1*3.0KW	1*4.0KW	1*5.5KW	2*4.0KW
Voltage	380V 50HZ	380V 50HZ	380V 50HZ	380V 50HZ
Air Pressure	0.6Mpa	0.6Mpa	0.6Mpa	0.6Mpa
Dimension	2.30*1.25*1.80M	2.50*1.50*1.80M	3.40*1.50*1.80M	3.90*1.65*1.80M
Chiller	1*3P 7KW	1*5P 12KW	1*5P 12KW	1*10P 25KW
Grinder	1	2	3	4

PROJECT	FY-300	FY-500
Capacity	1500L	2000L
Accuracy	20-30µm	20-30µm
Flow Rate	300±30%/min	500±30%/min
Filter Power	1*3.0KW	1*4.0KW
Filter Paper	995*5150mm	995*6150mm
Voltage	380V 50HZ	380V 50HZ
Air Pressure	0.4Mpa	0.4Mpa
Dimension	3.40*2.00*2.40M	3.80*2.10*2.40M
Chiller	1*5P 12KW	1*10P 25KW

Technical Development

The Oil Mist Collector is mainly designed to address the environmental issues in workshops, such as oil mist and dust, which occur during the mechanical processing. It is commonly applied to various processing equipment like CNC machining centers, cleaning machines, die-casting machines, CNC lathes, etc. By sucking out the oil mist from the processing cavities, it can purify the air, protect the respiratory health of workers, and effectively reduce the occurrence of fire hazards.



Device parameters

PROJECT	EP-50E	EP-90E	EP-180E	CRDY-LX-370-LT	CRDY-LX-1500-LT
Treatment Air Volume	800m³/H	1200m³/H	1800m³/H	1000m³/H	2000m³/H
Fan Power	0.18KW	0.24KW	0.4KW	0.37KW	1.5KW
Operating Voltage	220V/380V 50HZ	220V/380V 50HZ	220V/380V 50HZ	220V/380V 50HZ	220V/380V 50HZ
Dust Collection Efficiency	95%	95%	95%	95%	95%
Overall Dimensions	770*570*445mm	845*630*594mm	1385*620*623mm	591*435*760mm	637*472*893mm

PROJECT	EP-5000	EP-10000	PROJECT	LCO-120FP/5PH	LCO-250FP/10PH
Treatment Air Volume	5000m³/H	10000m³/H	Cooling Capacity	12KW	25KW
Fan Power	1.6KW	5.0KW	Power	380V 50HZ 5.6KW	380V 50HZ 11.2KW
Operating Voltage	220V/380V 50HZ	220V/380V 50HZ	Flow Rate	57L/min	110L/min
Dust Collection Efficiency	98%	98%	Temp Difference	±0.5°C	±0.5°C
Overall Dimensions	1700*640*1400	1940*650*1400mm	Dimension	810*700*1490mm	1380*710*1430mm