

# HCY-W8 MIST COLLECTOR

new edition

Cost Efficient Model

Operation at the same efficiency but with less filter layers and longer filter life. Maintenance cost is minimized



energy  
saving

Energy-saving motor

BODHI Electronic Equipment Co., Ltd.

**BODHI** COLLECTOR  
[www.bodhicollector.com](http://www.bodhicollector.com)

# Proven Technology and optimum performance

## Conical Prefilter

Revolutionary shape, designed to balance the inlet airflow more evenly when contact with the media prefilter surface.

Filter Efficiency can be up to 35%.



## Media Prefilter

High-efficiency filter media, designed to maintain high-efficiency under heavy loads with maximum airflow.

Filter Efficiency can be up to 65%.



## High Efficiency HEPA Filter

H13-H14 HEPA filter for absorption of small particles smaller than 0.5um. Easy replacement structure, eliminate maintenance replacement downtime.

Filter Efficiency can be up to 99.9%.

## Butterfly Filter

1. The airflow can be distributed uniformly
2. Adopt mirror W and Y structure, increase the flow loop.
3. Filtering performance is stable

Filter Efficiency can be up to 99.9%.



## Principles of Operation

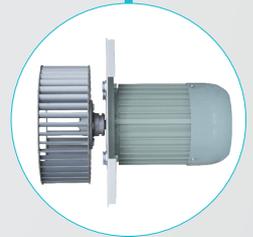
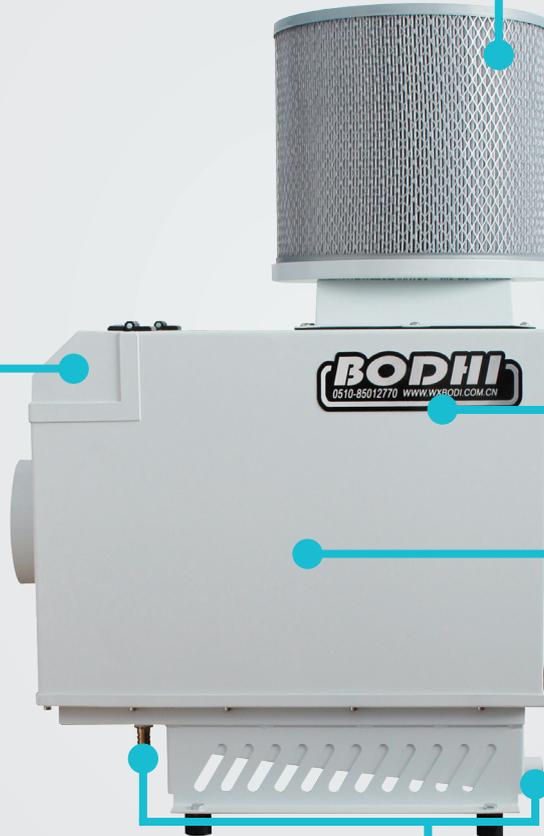
During operation, the contaminated air to be cleaned passes across multiple combination of filtration layers. Revolutionary to the industry, the unit uses less filter media thus minimize the cost of maintenance replacement.

## Durable and Compact Design

The BODHI W7 model not only fits your unique needs, but it blends into your space as well. It is manufactured with alloy steel and has a shiny coating with anti-corrosion surface treatment.

## No Vibration, Silent Running Noise

Designed with four vibration absorber, the W7 transmits absolute NO vibration to your machine tool. With silencing technology, the model's operation noise is as low as 52dBA.



## Energy Saving Fans

Backward-inclined, energy-efficient centrifugal fans of heavy duty design, class II energy consumption, direct drive motor.

Energy conversion rate of 78%.

## Siphon drainage trap

Two individual drainage, one at the inlet chamber, the other at the outlet chamber. Designed to foster the drainage of collected oil. Approved better drainage efficient.



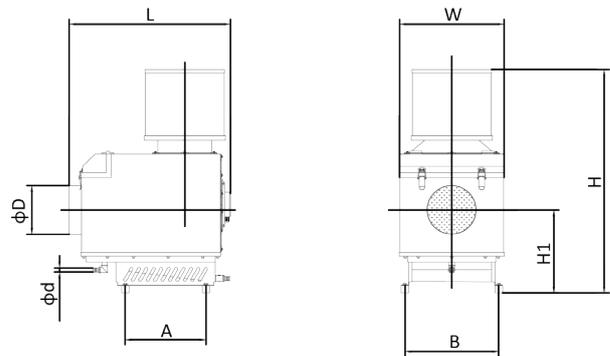


## Product Specification

Model		HCY-100W8	HCY-140W8	HCY-160W8	HCY-180W8
Output		380V/3P 50Hz (Requested)			
Power Supply	KW	0.75	1.5	2.2	3
	HP	1	2	3	4
Max Airflow (not including HEPA)	m <sup>3</sup> /h	1000	1400	1600	1800
	cfm	588	885	941	1059
Max Airflow (including HEPA)	m <sup>3</sup> /h	600	840	960	1080
	cfm	353	531	565	635
Max static pressure	kPa	1.0	1.8	2.0	2.2
Primary filter		Polyester			
Secondary filter		Polyester & Fiber Glass			
Mist collection efficiency	%	99.9%			
Objects for collection		Water soluble mist (Coolant oil to water ratio greater than 100 to 10) For oily mist and condensed water soluble mist, HEPA is a must			
Maximum inlet concentration	mg/m <sup>3</sup>	<20			
Recommended breakers	A	1.7	3.44	4.82	6.8
Power cord		4 cores			
Suction port diameter	mm	150	200	200	200
	inch	5.9	7.87	7.87	7.87
Drainage port	inch	0.6			
Dimensions L*W*H(w/ HEPA)	mm	650*410*660(906)	650*424*660(906)	650*444*660(906)	670*465*683(928)
	inch	26*16*25.9(35.6)	25*16.7*25.9(35.6)	25*17*25.9(35.6)	26.3*18*26.9(36.5)
Weight	kg	54	59	65	70
	lb	119	130	143	154
Paint Color	RAL	RAL 9003 (Modify on special request)			



## Specific Dimensions



## Easy Maintenance



### OPEN FLANGE

Open the two flanges above of the inlet connection.



### TAKE PRE-FILTER OUT

Take the pre-filter out, remove the filter media from the pre-filter and replace it with clean one.



### LOOSE HEPA SCREWER

Loose screwer, oper the top lid.



### REMOVE HEPA FILTER

Remove the HEPA, and replace it with a clean one. The entire process takes less than 30 seconds.

# WHY CHOOSE US

## Professional Filtration Provider

Wuxi BODHI Electronic Equipment Co., Ltd, founded in 2003 is a leading filtration equipment provider. Its head-quarter is located in the beautiful city Wuxi, China and has a R&D facility in Detroit, USA. Our products have been distributed to more than 45 different countries including Canada, France, Germany, The Netherlands, Mexico and the United States.

## Clean Air at Working

Clean air is something that most of us take for granted. However somewhere people work may have visible and invisible air pollutants, such as welding fumes and oil mist. They can cause a risk of people's health. Thankfully, awareness of indoor air quality is growing. BODHI is committed to ensure a clean, safe and healthy working environment for our customers.

## Leading Technology

During the last decade, BODHI has developed more than 20 series of Mist Collectors and Dust Collectors. It has more than 200 different models of products. We also offer a wide breadth of filters to fit different user needs. Also BODHI not only follows all major Quality Standards such as ISO, ASHRAE, OHSAS, it also develops over 100 patent technologies to meet but exceed these standards.



BODHI Electronic Equipment Co., Ltd.  
28 Yang Gao Road,  
Wuxi, Jiangsu, CN. 214024  
Web: [www.bodhicollector.com](http://www.bodhicollector.com)

Telephone: 86 510 85012770  
Fax: 86 510 85012770 ext 8007  
Hotline: 86 400 022 7290  
E-mail: [sale@wxbodi.com](mailto:sale@wxbodi.com)