



BL-002-R

Dual net oil vapor recycling filter MIST and fume collector



BL-003-2R

Features / Environment

Product Features

- Centrifugal turbine, extreme suction and centrifugal force
- Precision blade design, balanced and calibrated to reduce motor load
- Low vibration and noise, energy conserving
- Filter employs a two stage stainless steel screen; total thickness over 40mm is defogged or bypassed; wide collecting surface
- Collects over 99.7% of oil vapor for filtering and recycling, reduces air flow pressure drop
- Permanent use; no need to change filter, just clean at least once a year.

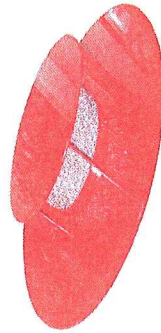
Operating environment

This machine is suitable for use with integrated CNC machine tools as well as for oil vapor recycling within sealed operating environments. During machine tool cutting operations, oil vapor levels will rise with increasing spindle speed after cutting operations commence. This oil vapor can disperse into the operating environment. If workers inhale vapor over long periods of time, there could be serious health consequences, such as occupational disease. Accumulated oil vapor can also pollute the operating environment. Also, if the machine tool operating system is exposed to oil vapor long term it could increase the damage rate. Cleaning oil pollution from the operating environment is also another cost in time and effort. In order to respond to these problems, Bonli has developed this innovative new product.





Dual net oil vapor recycling filter **MIST and fume collector**



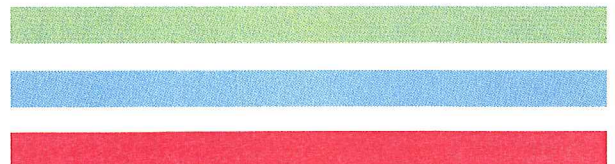
Functions / Construction

Functions

After installing the mist and fume collector onto the machine tool, you are able to immediately recycle the oil vapor produced during machining. You are able to not only maintain a clean work environment, but also increase work efficiency. In addition to protecting your workers from occupational disease, you are also able to lower machining lubricant costs. Reduce your oil pollution cleaning costs and gain energy savings with an environmentally friendly solution.

Construction

Bonli uses a centrifugal turbine with super vacuum and centrifugal force, along with a precision blade design balanced and calibrated to reduce motor load, vibration and noise. The energy saving two-stage stainless steel filter defogs or bypasses particles 40mm or larger. The wide collection surface removes 99.7% or more of the oil vapor for filtering and recycling. The unit reduces drops in pressure from air flow. The filter is permanent and doesn't require changing, only cleaning at least once a year.



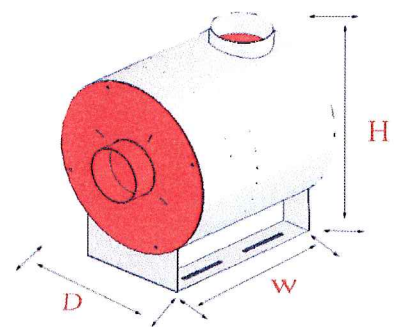
Dual net oil vapor recycling filter MIST and fume collector

產品規格(Outside dimensions):

Model number	單位 (UNIT)	BL-001-R	BL-002-R	BL-004-R	BL-003-2R
馬力(Motor Streng)	HP	1/2HP 0.37KW	1HP 0.75KW	1.5HP 1.12KW	2HP 1.5KW
風量(Air Flow)	m ³ /min	12	18.5	27	38
吸入口徑 (Air intake diameter)	m/m	100	125	150	125
電壓(Voltage)	V	220/380	220/380	220/380	220/380
電流(Electric Current)	A	1.5/0.87	2.8/1.62	4.5/2.6	4.8/2.7
周波(Cycle)	HZ	50/60	50/60	50/60	50/60
轉速(Rotation)	R.P.M	2850/3500	2850/3500	2850/3500	2850/3500

outside dimensions

Size(m/m)	D	W	H
BL-001-R	400	300	460
BL-002-R	450	380	530
BL-004-R	507	450	581
BL-003-2R	870	380	580

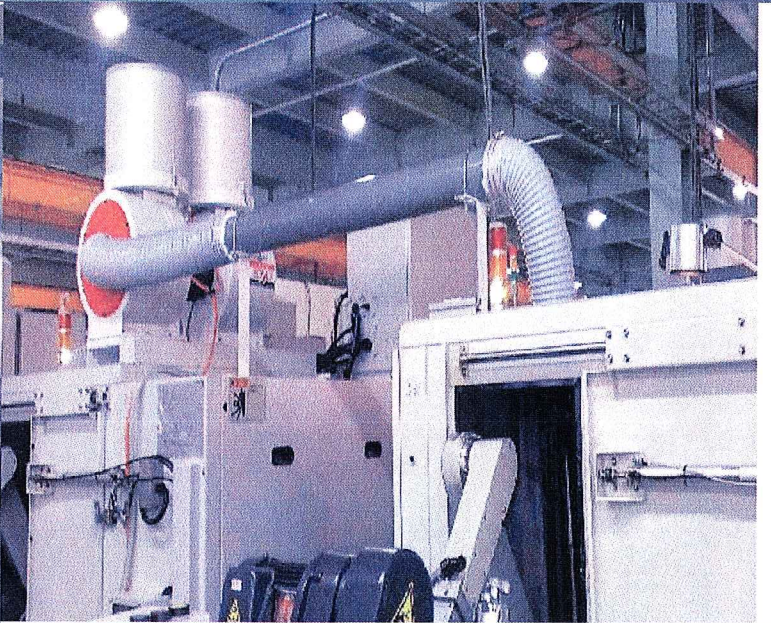


- ※ Important note on installation: The air intake port should be in close vicinity to the cutting area. The oil intake port should be higher than the oil exhaust port. The oil return pipe will stay straight.
- ※ Accessories: Motor protects the on off switch. 5 meter air pipe. Air pipe flange. Oil return pipe 5 meters. Oil pipe connector*2.



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BL-004-RF

