

## Innovative Technology For Separation Of Oil Mists Especially Suited For Machine Tools

Breakthrough technology is new technology that is significantly more effective than previous technology. Like when the superior properties of the bronze axe sent the stone-age axe into retirement. 3nine's separation technology represents a significant breakthrough in air purification for oil mist eliminators.

### **The 3nine advantage:**

- Majority of separation (>99%) is done without filters.
- Exceptional on high pressure coolant and oil mist.
- Removes mist, smoke and bacteria.
- Exceeds working environment limits by broad margins,  
(clean air < 0.020 mg/m<sup>3</sup>, recommended limit 0.5 mg/m<sup>3</sup>)
- Reduced health issues.
- Low oil evaporation & fumes.
- Clean In Place (CIP) System for high solid applications.
- High reliability & low maintenance.
- Long life HEPA filter (1 – 3 yrs).
- Low life cycle cost.



Clara base mount

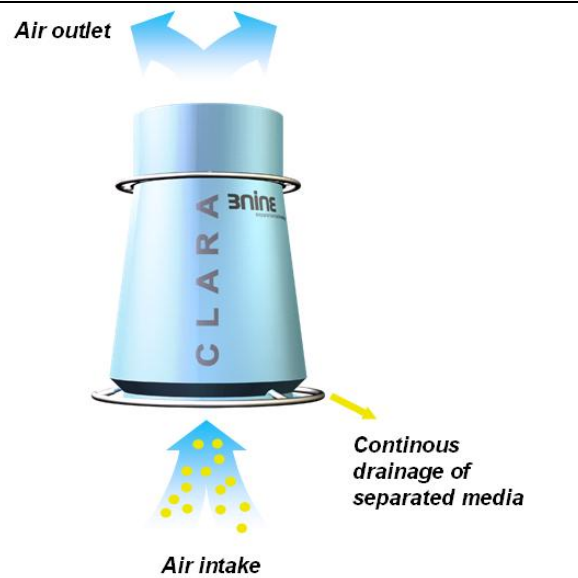


Clara wall mount

## 3nine Technology "Pure Separation".

Separation is created by the unique and patented rotating assembly consisting of a large number stacked conical discs. The machine draws the contaminated air into the conical discs where the oil particles are separated, while absolutely clean air is discharged out the top of the machine.

The oil mist separation is immediate, evaporation and oil fumes are kept to a minimum.



## The 3nine product family can handle all flow rates:



**Lina™**  
For small machines

350 cfm  
0.9 hp  
3.4/1.7A, 230/460/3/60  
86 lbs  
21.5" dia x 35" ht  
Inlet 5"  
65 dB(A)



**Clara™**  
Suites most applications

700 cfm  
2 hp  
6.2/3.6 A, 230/460/3/60  
173 lbs  
21.5" dia x 42" ht  
Inlet 6"  
65 dB(A)



**Emma™**  
For higher flow rates

1800 cfm  
7.5 hp  
30/15 A, 230/460/3/60  
230 lbs  
27.5" dia x 43" ht  
Inlet 12"  
70 dB(A)



**Petra™**  
When solid levels are high

700 cfm  
2 hp  
8/4 A, 230/460/3/60  
163 lbs  
20" dia x 44" ht  
Inlet 6"  
72 dB(A)

All units sold with HEPA filters, heights are with HEPA