

# Clara™

The oil mist separator that suits most users

Clara™ is 3nine's best-selling oil mist separator. With a flow rate of 700 cfm (1,000 m<sup>3</sup>/h) it is suitable for most machine tools. Clara™ has been fitted to practically every type of machine tool for numerous customers in Sweden and elsewhere in Europe.

Clara™ operates solely on the centrifugal separation principle and therefore requires very little maintenance. Clara™ does not clog up like a filter – even under extreme conditions with high solids loading, such as the machining of castings and in grinding applications.

As with other 3nine products, the degree of purification achieved with Clara™ is very high. The patented rotating internal plates separate the oil mist far more effectively than traditional centrifugal separation technologies such as cyclones and rotary filters.

Compact and low-maintenance, Clara™ offers highly attractive operating economy over its life cycle. Compared with traditional filter units, you save about 50% annually on operating costs.

Clara™ is light and very compact, so can easily be installed on top of the machine tool. This saves floor space and unnecessary pipework. It also makes it easier to move the machine tools when production requirements change.

Clara™ offers you the same advantages as other 3nine oil mist separation products:

- Minimal maintenance
- No duct/pipe runs and awkward installation work
- Occupies no floor space
- No filter disposal costs
- Better operating economy than with filter units

## Technical data

|                            |  |
|----------------------------|--|
| Type designation           | CLR1000  |
| Application                | Cleaning of oil mist (cutting fluid/coolant) in a workshop environment |
| Capacity                   | 0-700 cfm (0-1000 m <sup>3</sup> /h)                                   |
| Negative/positive pressure | 3.2" WG (800 Pa)   |
| Operating conditions       | 122 °F (50° C)   |
| Electric power supply      | 6.2/3.6 A, 230/460/3/60 (or 10 A/380-400 V/3/50)                       |
| Frequency                  | 60 Hz (50 Hz)  |
| Motor rating               | 1.5 hp (1 kW)  |
| Speed                      | 3,360 rpm (or 3,000 rpm)   |
| Weight                     | 143 lbs (65 kg)  |
| Height                     | 30.5" (775 mm)   |
| Diameter                   | 25.2" (640 mm)   |
| Inlet pipe                 | 6" (160 mm)  |
| Sound level                | <65 dB(A)  |
| Mounting                   | Directly on the machine, on a wall or on a frame above the machine     |

