

CARDEV

Oil Filtration and Coolant Handling Specialists



DATA SHEET

CCS-500

500 LITRE COOLANT CLEANING STATION

*Cleans Contaminated Coolant
For Re-Use*

*Removes Particles And Tramp
Oil*

Controls Bacterial Growth

*Provides A Constant Supply Of
Clean Coolant*

Compact And Easy To Operate



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CCS500 COOLANT CLEANING STATION

The coolant cleaning station has been designed to re-cycle used or contaminated coolant extracted from machine tool sumps or waste/swarf skips and placed in a storage tank adjacent to the cleaning station.

Cardev can supply if required a vacuum pump module which will remove coolant from the machine sumps via a pipe work system, and pump it into the storage tank.

The standard CCS500 station consists of three sections, namely the cleaning tank, a coalescer with header tank and the cleaned coolant holding tank. Dirty coolant is transferred from the storage tank, via a 300 micron pre-filter, to the cleaning tank. Once the cleaning tank is full then there is an adjustable timed period of continual coalescing to remove the tramp/slideways oil. The length of this period depends on the contamination levels in the coolant.

After the coalescing period, the coolant is transferred to the holding tank, where it is circulated for an adjustable timed period through the two 15 micron polypropylene filters whilst at the same time being treated by ozone diffusion to kill bacteria in the coolant. The cleaned coolant is then available for re-use either locally through the hand gun or if required Cardev can supply a delivery pump module for distribution back to the sumps via a pipe work system.

In the event of no coolant being available for use from the CCS500 and there is a requirement for top up coolant from the machine sumps, then Cardev can supply a CMS300/1000 Coolant Mixing Station linked to the holding tank to ensure that a minimum level of coolant is always available for distribution.

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| Site Requirements | | 230 volt, single-phase electrical supply fused at 16 amps. Compressed air supply. |
| Dimensions | | CCS 500 |
| | Length | 1920 mm |
| | Width | 1120 mm |
| | Height Lid Closed | 1360 mm |
| | Height Lid Open | 2110 mm |
| Capacity | Holding Tank | 500 ltrs |
| | Cleaning Tank | 500 ltrs |
| Process Rate | Dependent on Contamination levels between 3-6 Hours | 500 ltrs |
| Delivery Pump | | Air diaphragm ¾" port, 40 to 50 ltrs per minute at 4 bar air pressure on standard unit |
| Filtration | | Pre-filter 300 micron Circulation Filter 2x15 micron SDFC-P Polypropylene filter cartridge |