

CARDEV

Oil Filtration and Coolant Handling Specialists



DATA SHEET

CCS-500

COOLANT CLEANING STATION

***Cleans Contaminated Coolant
For Re-Use***

***Removes Particles And Tramp
Oil***

Controls Bacterial Growth

***Provides A Constant Supply Of
Recycled Coolant***

Compact And Easy To Operate



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Industrial Filtration



Biodegradable Lubricants

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.

The CCS500 consists of five sections, namely the **used coolant IBC**, **cleaning tank**, **coalescer**, **ozone tank**, and **clean coolant IBC**. The tanks are designated as follows:

- Tank No 1 – Used Coolant IBC
- Tank No 2 – Cleaning Tank
- Tank No 3 – Ozone Tank
- Tank No 4 – Clean Coolant IBC.

Used coolant is collected from the machine sumps and delivered to the used coolant IBC. 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 used coolant IBC via the 300micron filter bag.

Coolant is transferred from the used coolant IBC, via a 200 micron pre-filter, to the cleaning tank. Once the cleaning tank is full then an adjustable timed period of continual coalescing starts which will remove the tramp/sludgeway 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 treated by ozone diffusion to kill bacteria in the coolant. The length of the ozone process can be adjusted to suit contamination levels.

After ozone treatment the coolant is transferred to the clean coolant IBC, where it is available for reuse either locally through the dispensing gun or via a distribution pipe-work system direct to the sumps. Whilst in the IBC the coolant is continuously filtered through 15 micron polypropylene filters.

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.

Site Requirements		230 volt AC, Fused at 16 amps. Compressed Air
Dimensions	Length	2520 mm
	Width	1120 mm
	Height Lid Closed	1590 mm
	Height Lid Open	2460 mm
Capacity	Holding Tank	500 ltrs
	Cleaning Tank	500 ltrs
Process Rate	3-6 hours	500 ltrs
Filtration		Pre-filter 300 micron– In line filter 200 micron Circulation Filter 2x15 micron SDFC-P



Certificate No: 8445

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