

**CARDEV**

Oil Filtration and Coolant Handling Specialists



# DATA SHEET

## CDU-50M

***Splits Oil/Water Emulsions***

***Separates Free Oil***

***Reduces Disposal Costs***

***Permeate Suitable To Be Put  
Down Drain***

***Low Running Costs***

***Easy To Operate***



***Cardev also provide a full  
design and manufacture  
service for units to treat larger  
volumes of waste coolant and  
oil/water emulsions***

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## CARDEV CDU-50M COOLANT DISPOSAL UNIT DATA SHEET

The Cardev CDU-50M Manually Operated Coolant Disposal Unit is designed to split waste coolant into water and soluble oil concentrate.

The CDU-50M will accept waste coolant from an industrial vacuum. The waste coolant first passes through a coalescing media bed where the free oil is removed via a weir arrangement into a waste oil tank. After this the coolant gravity feeds into a process tank from where it is pumped through a nano-filtration membrane pod.

Through this process the water element of the waste coolant, known as permeate, is separated from the soluble oil element and is gravity fed to foul drain or reused for secondary processes such as floor scrubbers, wash water tanks etc. At the end of the process cycle the concentrate and free oil is removed from the unit by an industrial vacuum.

Larger systems with both manual and automatic flushing systems are also available.

### Specifications

<b>Site Requirement</b>		230 volt, single phase electrical supply fused at 16 amps. 1/2" mains water supply to within 1 metre of position. A housing / building for protection against bad weather and frost
<b>Dimensions</b>	Length	1180 mm
	Width	1050 mm
	Height Lid Closed	1280
	Height Lid Open	1860
<b>Capacity</b>	Main Tank	500 litres
	Flush/Process Tank	20 litres
<b>Process Rate</b>		200-250 litres per day, dependant on contamination levels
<b>Manual Flushing Cycle Frequency</b>		After each process cycle or when permeate output drops to 50% of normal flow
<b>Filtration</b>		Pre-filter 200 micron