Ecoclean Technology Sdn Bhd
Malaysian Licensee for CDS Technology –
The solution to Water Pollution
www.ecoclean.com.my

Sizing Criteria

When sizing a CDS unit for a given site, the following things are taken into account:

1.   Catchment area

2.   Catchment use and imperviousness leading to pollution loadings

3.   Flowrates for the 3 month event

4.   Flowrates for the system capacity event

5.   Performance requirements of the approval authority

6.   Desired cleaning method and frequency

7.   Site constraints

8.   Budget constraints

(Some of the above list may not apply to certain sites)

This list makes the sizing decision more thorough; after all, you don't buy a car based only on which one is fastest or which one is cheapest. This list does not make selection harder, but makes sure that selection is based on relevant criteria not just flowrate alone.

Our corporate brochure contains a table of indicative catchment ranges for each unit. On a steep industrial site you would be at the lower end of the range, while on a flat residential catchment you would be at the higher end.

ECT/CDS is happy to assist with all sizing inquiries, with confirmation and standard drawings provided in 24hrs if desired.

Once you have sized a few and checked with ECT/CDS, most catchments can then be compared to the ones you have done in the past, with most competent stormwater managers able to select the correct unit easily.

N.B.   A particular model of CDS unit can treat varying flows, depending on the weir height and screen aperture.

Ecoclean Technology Sdn Bhd

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CDS UNIT SIZING REQUEST FORM
Please return by fax to : +603-9171 9160

Name	
Company	
Phone	
Fax	
Email	
Project Reference	
Date	

Site Information: (* Critical information required for sizing CDS units)

* **Catchment Area (Ha)**	
Equivalent Impervious Area (Ha)	
* **Max. Pipe Flow at GPT (Q_{sys})**	
* **Inlet Pipe Diameter**	
* **Pipe Grade (%)**	
* **Invert Level – R.L. (m)**	
* **Finished Surface Level (m)**	
* **Backwater?** (eg: Lake level downstream or tidal effect)	NO YES (m) Standing water depth at GPT
M.H.W.L.S. (R.L) High Tide	
M.L.W.L.S. (R.L) Low Tide	
Treatable Flowrate desired	
Structure Location (eg: carpark, road, park etc)	
Local Authority (Council, etc.)	
Land Use Category (urban, roads, industrial etc.)	