



EcoClean Technology Sdn Bhd

Malaysian Licensee for CDS Tehcnology

The solution to Water Pollution

www.ecoclean.com.my

Sizing Criteria

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

1. Catchment area
2. Catchment use and imperviousness leading to pollution loading
3. Flowrates for the 3-month event
4. Flowrate for the system capacity event
5. Performance requirements for authority approval
6. Desired cleaning method and frequency
7. Site constraints
8. Budget constraints

(Some of the above criteria 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 is the fastest or which is the cheapest. This list does not make selection harder but makes sure that selection is based on relevant criteria and not just flowrate alone.

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

EcoClean Technology is happy to assist with all sizing inquiries, with confirmation and standard drawings provided in 24 hours if desired.

Once you have sized a few and checked with EcoClean Technology, 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.



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Gross Pollutant Trap Sizing Request Form

Name		
Company		
Phone		
Fax		
Email		
Project Name		
Project Reference		
Date		
<i>Site Information (*Critical information required for sizing CDS units)</i>		
*Catchment Area (Ha)		
Equivalent Impervious Area (Ha)		
*Max. Pipe Flow at GPT (Q)	Q(3 mth ARI)= Q(5 yrs ARI) = Q(50 yrs ARI)=	Q(2 yrs ARI)= Q(10 yrs ARI)= Q(100 yrs ARI)=
*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)		