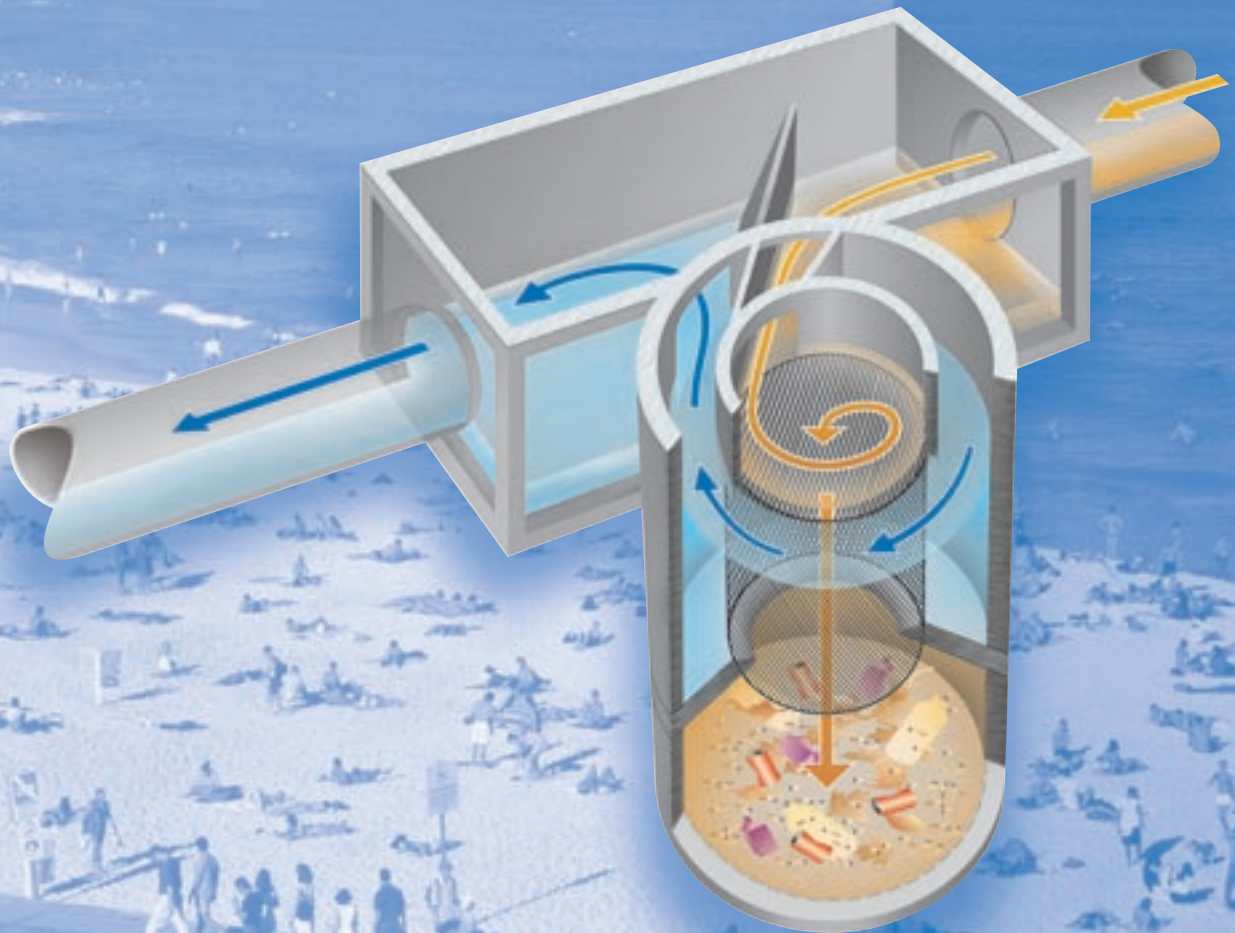


CDS Off-Line Units

STORMWATER POLLUTANT TRAPS



Innovative Environmental Technologies

CDS Off-Line Units

STORMWATER POLLUTANT TRAPS

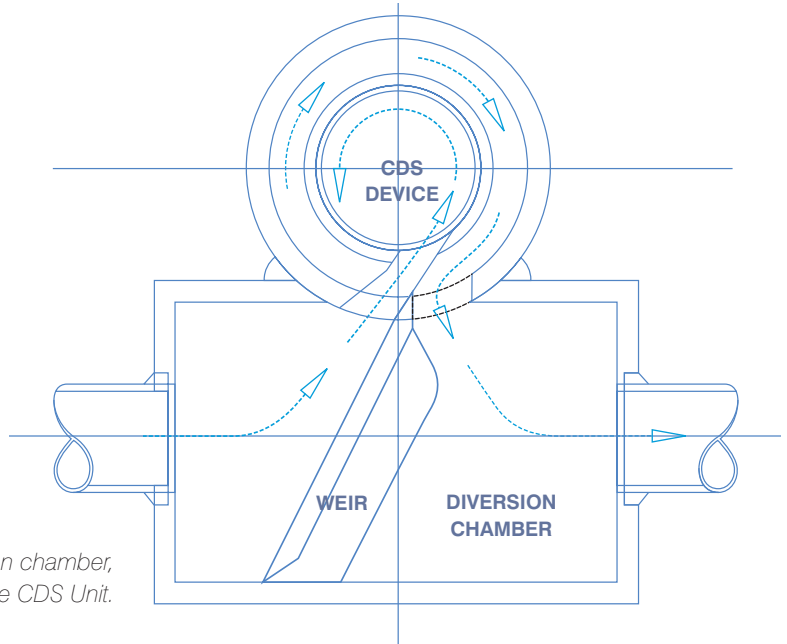
Continuous Deflective Separation Device

It has long been acknowledged that the best management practice for location of stormwater traps involves locating the devices off-line.

GPT's located on-line suffer badly from turbulence and eddies, often resulting in the resuspension and loss of previously captured pollution.

Also, in many systems, low flows (or a 3 month ARI storm flow) are diverted into the GPT, while infrequent high flows and all the pollution they carry are allowed to bypass.

The CDS device is located next to the diversion chamber, and combined they form the CDS Unit.

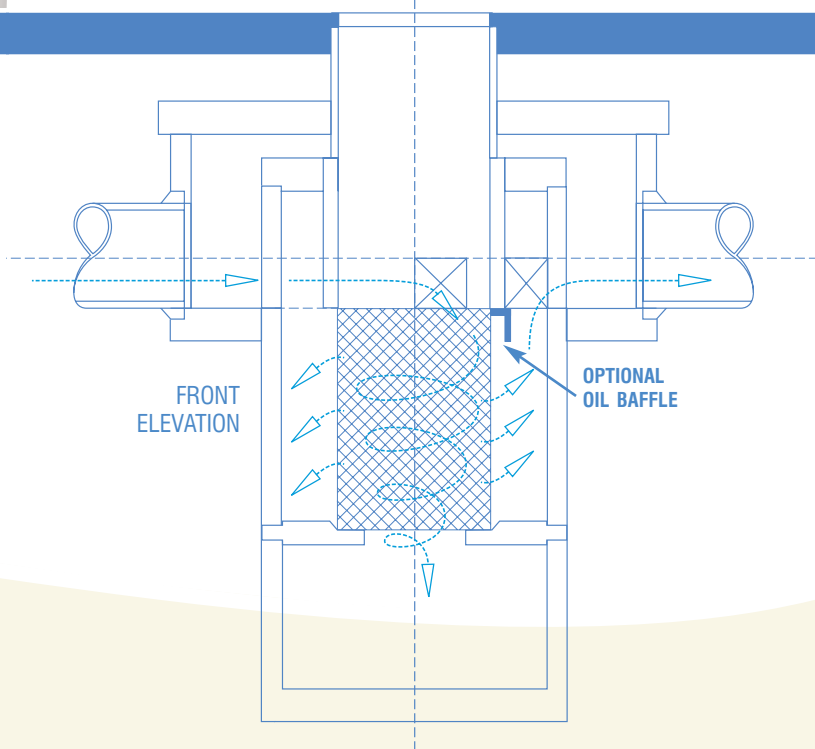
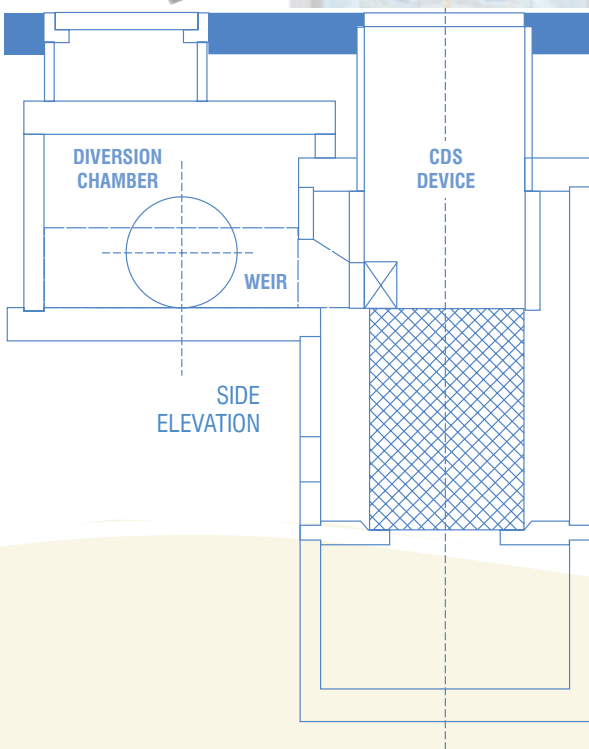
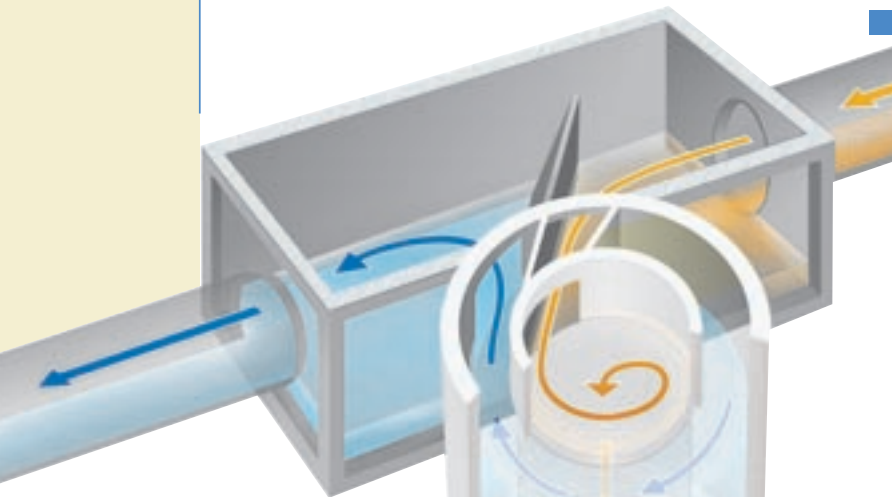


The Diversion Chamber

CDS has precast diversion chambers sized to suit most typical installations, alternatively CDS can tailor customised chambers to meet the site's hydraulic limitations.

The CDS diversion chamber has the capacity to cater for the fullest possible flow in the stormwater system. CDS units are configured to assume they have not been maintained and no flow is entering the device.

A weir is located within the diversion chamber to create a driving head and direct the majority of flows into the CDS device.



CDS Pre-cast Units

+ DIVERSION CHAMBERS



www.cdstech.com.au

CDS Unit Size options

The size and type of CDS unit you'll need to meet regulatory obligations can depend on catchment area, flows, pollution loads, maintenance choice and site hydraulics.

Simply visit the CDS website (cdstech.com.au) to download a worksheet, complete and forward to us at CDS – it contains all the information we need to expertly calculate the size of device for your particular site. At CDS we take all responsibility for the correct operation of our units...and correct selection is the first step.

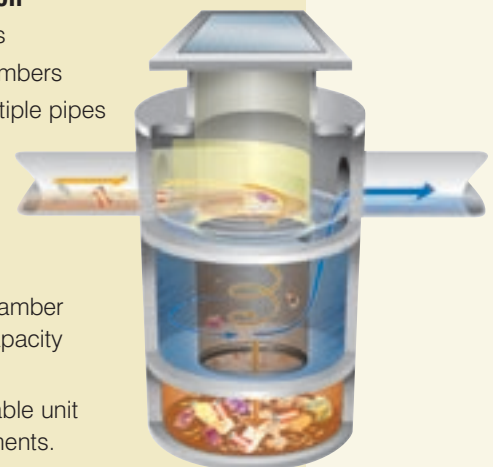
CDS Unit No	Construction Material	Catchment Area (ha)
PL0506	in-line polymer	< 1 ha
P0708	in-line concrete	< 2 ha
F0908	fibreglass	1-4 ha
F0912	fibreglass	2-6 ha
P1009	pre-cast concrete	2-8 ha
P1012	pre-cast concrete	4-12 ha
P1015	pre-cast concrete	6-15 ha
P1512	pre-cast concrete	8-20 ha
P2018	pre-cast concrete	15-45 ha
P2028	pre-cast concrete	30-75 ha
P3018	pre-cast concrete	40-100 ha
P3024	pre-cast concrete	60-150 ha
P3030	pre-cast concrete	80-200 ha

Diversion Chamber Selection

- Pre-cast Diversion chambers
- Semi-pre-cast diversion chambers
- Customised designs for multiple pipes
- In-situ channel designs
- Fixed or collapsible weirs
- Any flow capacity
- No flooding

CDS Device and Diversion Chamber design depends on system capacity and site constraints

CDS will design the most suitable unit configuration for your requirements.



CDS P0708 unit

How Stormwater Pollutant Traps Rate

Not only are CDS units rated the most effective stormwater pollution trap in every independent comparison, they also have three cleaning options for the lowest cleaning costs (and therefore lowest total life-cycle costs) of any proprietary GPT.

ON-LINE DEVICES	POOR
OFF-LINE DEVICES	GOOD
OFF-LINE NON-BLOCKING DEVICES	BETTER
CDS OFF-LINE NON-BLOCKING DEVICES WITH DOUBLE OFF-LINE POLLUTION STORAGE	BEST*

*Independent studies show that no GPT does better than a CDS unit on performance and pollution retention.

Innovative Environmental Technologies



CDS Off-Line Units

Utilising the patented CDS indirect screening technology, CDS Off-Line units have been designed to capture and retain gross pollutants, litter, grit, sediments and associated oils.

■ Characteristics

- 95% capture of gross pollutants > 1mm
- 95% sediment capture > 200µm
- captures organics and oils
- captures absorbed toxics and nutrients
- can treat any pipe or multiple pipes
- various sump sizes available
- bypass requirements customised
- small underground footprint
- visually unobtrusive
- easy installation
- non-blocking functionality.

■ Applications for CDS Off-Line units

- subdivisions and roads
- residential, commercial and industrial areas
- carparks and shopping centres
- pre-treatment for wetlands
- pre-treatment for re-use applications
- pipes, channels, culverts and creeks.

■ Cleaning CDS Off-Line units

CDS unit size and site requirements will determine which cleaning option will have the lowest life cycle costs. There are 3 methods of emptying CDS units:

- Removable Basket
- Material Grab
- Suction method.



CDS TECHNOLOGIES contacts

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