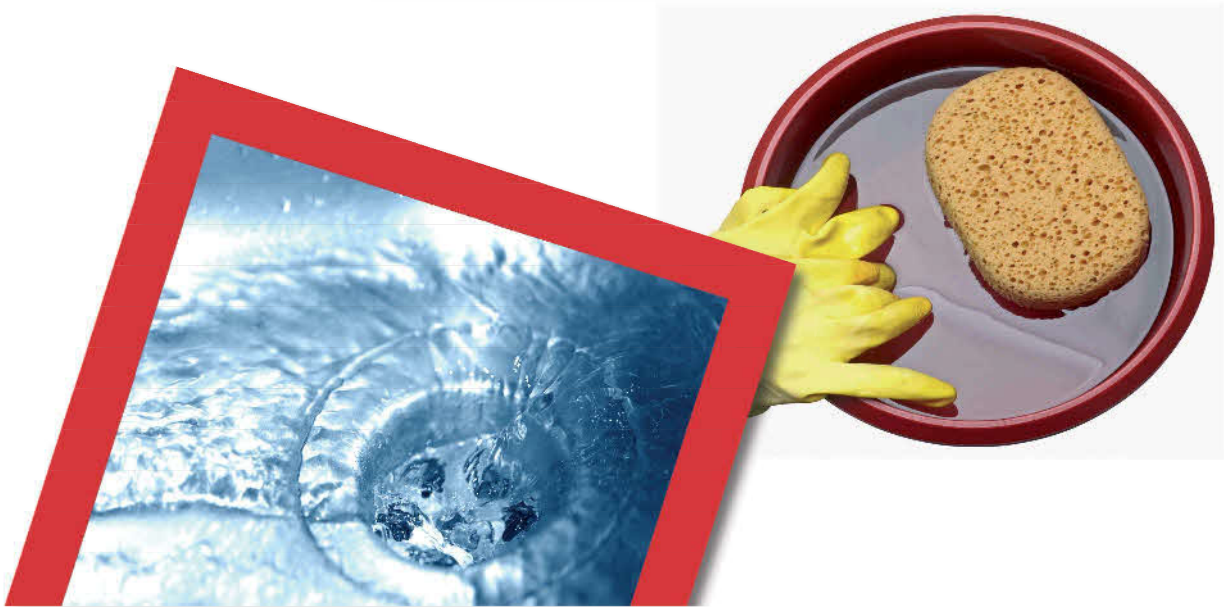
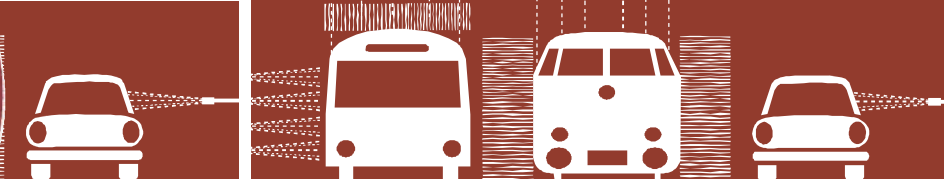




# H2O

water management





# washceptor

## Vehicle Wash Separators and Silt Traps

Our Washceptor range is used predominantly in vehicle wash applications where detergents and large amounts of silt and dirt are likely to be discharged into the drainage system as a by-product from the cleaning process. Eg. Jet wash bays, general vehicle wash down areas and specialist brush wash systems.

The washceptor range comes in single, twin or three stage options to suit all of the above applications. With an extensive range of configurations and capacities starting at 850 litres up to 18,000 litres. Manufactured from hdpe, all units are extremely durable and robust. Multi stage units are delivered as separate chambers. Which makes installation easier than one large separator. All fittings supplied for a simple on site connection



## Applications

If detergents are prevalent in the run off to the drainage system, typically vehicle and car wash discharges, then they must be discharged into a foul drain and cannot be discharged into a surface water drainage system. This is noted in the new European Standards en858 and also in the Environment Agencies PPG3 document for use and design separators.



## Jet Wash/Power Wash Applications

These appliances are a common installation on most garage forecourts and on this type of application we recommend using either our ST1 or ST2 unit. These smaller separator/traps are designed with a large removable open grating to give easy access as it is essential that the unit is cleaned out regularly. The requirement for multi stage units is only really necessary in recycling systems. The ST separators are usually installed directly under the wash pad/bay and washings are discharged into an open grid sited on the top of the separator. Care must be taken to specify the loading of the cover and the cover slab should be designed to take any imposed loading on the separator. NB. The standard grating supplied is only suitable for a single moving wheel load as a car. For heavier loadings a C250 or D400n grating should be installed into the slab above the separator.

The European standard en858-2 stipulates that the minimum capacity of any jet wash installation using power washer is minimum of 600 litres and a brush wash system must have a minimum of 5000 litres

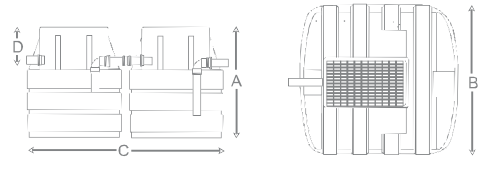
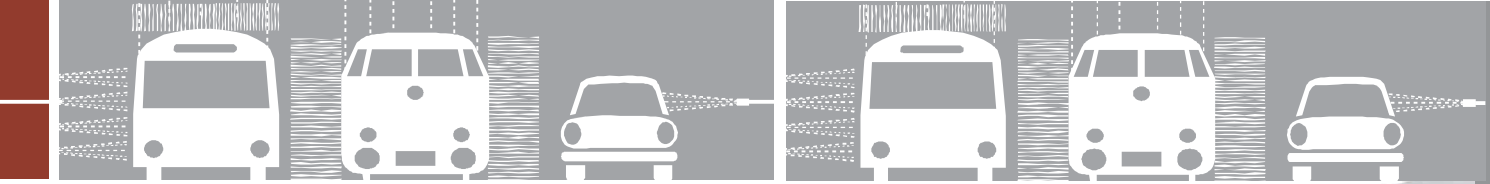


## Brush Wash Applications

Our W1S60 open gate separator is designed specifically for Brushwash applications. The revised standards for vehicle wash separators recommends the minimum capacity of a separator in a brush wash application should be at least 5000 litres, having a gross capacity of 6000 litres. This separator is normally supplied with an open grating as shown in the illustration left. As shown the separator is designed to be installed in the centre of a brush wash conveyor system with a slight fall designed into the surrounding floor concrete pad around the gate, so as discharge from the system flows into the separator.

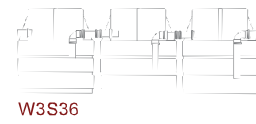
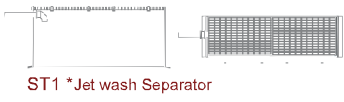
## Inspection & Maintenance

Access to the separator for cleaning is essential as the unit will need to be cleaned regularly to prevent the hardening of silts and sand over a long period if un-maintained the separator contents can solidify and greatly reduce the volume and eventually prevent it from working at all. Regular inspections should be carried out both visually and manually and using a large dipstick or measure will alert you to how much silt is in the unit and when it needs emptying.

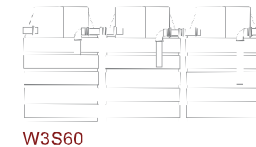
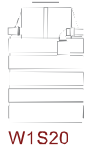


Reference    Retention Litres    Height A    Width B    Length C    Inlet D

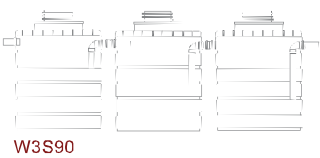
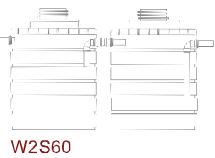
ST1 (steel)    850    970    670    2000    200  
 ST2 (hdpe)    1000    1040    1260    1260    300



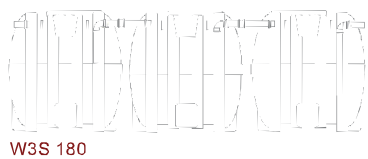
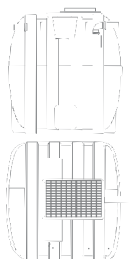
W1S12    1200    1500    1260    1260    450  
 W2S25    2500    1500    1260    2600    450  
 W3S36    3600    1500    1260    3950    450



W1S20    2000    2000    1260    1260    450  
 W2S40    4000    2000    1260    2600    450  
 W3S60    6000    2000    1260    3950    450

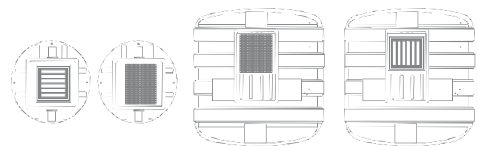


W1S30    3000    2150    1560    1560    450  
 W2S60    6000    2150    1560    3400    450  
 W3S90    9000    2150    1560    5250    450



W1S 60    6000    2350    2150    2150    450  
 W2S 120    12000    2350    2150    4700    450  
 W3S 180    18000    2350    2150    7250    450

W1S 60  
 \*Brush wash Separator



The plan views on the left show the options of a cover or a grating for the single stage units. This is to allow the single stage unit to be used as open silt traps for jet and brush wash use \*Our Standard Silt Trap is ST1 and ST2 should only be used in non wheel load situations \*For Brush Wash applications you must use a minimum 5000 litre storage/retention we recommend W1S60

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<b>AQUARIUS</b>	Rainwater Harvesting & Recycling Systems
<b>WASHCEPTOR</b>	Car wash Separators
<b>HYDROFLOW</b>	Flow Controls & Control Chambers
<b>STORMPOD</b>	Storm water Attenuation System
<b>SILT GUARDIAN</b>	Silt Separators
<b>PENGUIN</b>	Pump Stations & Systems
<b>GT RANGE</b>	Grease Traps & Separators
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<b>RETRO</b>	Septic/Sewage Treatment Upgrade Systems
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