


CleanaWater®

Industrial Water Treatment and Recycling Specialists

First Flush Diversion Systems



 1800 353 788

www.cleanawater.com.au


bulbeckgroup

Why are they used?

CleanaWater's range of First Flush Diversion Systems are commonly installed to unroofed wash down areas, refuelling areas or contaminated hardstand areas to automatically divert wastewater for treatment and subsequent rainwater to stormwater.

Features

- ◆ Single pit automated system
- ◆ Normally open technology to maximise valve life
- ◆ No human interaction is required, totally automated process
- ◆ Suits open areas open to rainfall of all sizes
- ◆ Available for light vehicle areas and heavy duty applications container parks and aviation
- ◆ Hazardous area compliance packages available
- ◆ Easy to maintain systems, minimal maintenance required
- ◆ No consumables required



Benefits

- ◆ Full compliance with EPA, DERM, DAFF and trade waste regulations
- ◆ Minimal footprint, save on installation costs vs traditional systems
- ◆ Avoid compromising the daily operations of your company

Do I need a Diversion System?

Most regions in Australia require stormwater diversion systems if they have an unroofed wash down area that is over 20m². Some areas do not require a stormwater diversion system and sites such as remote mining sites will allow for rain events in their water storage capacity. Contact CleanaWater to discuss how your unroofed wash down bay water should be managed.

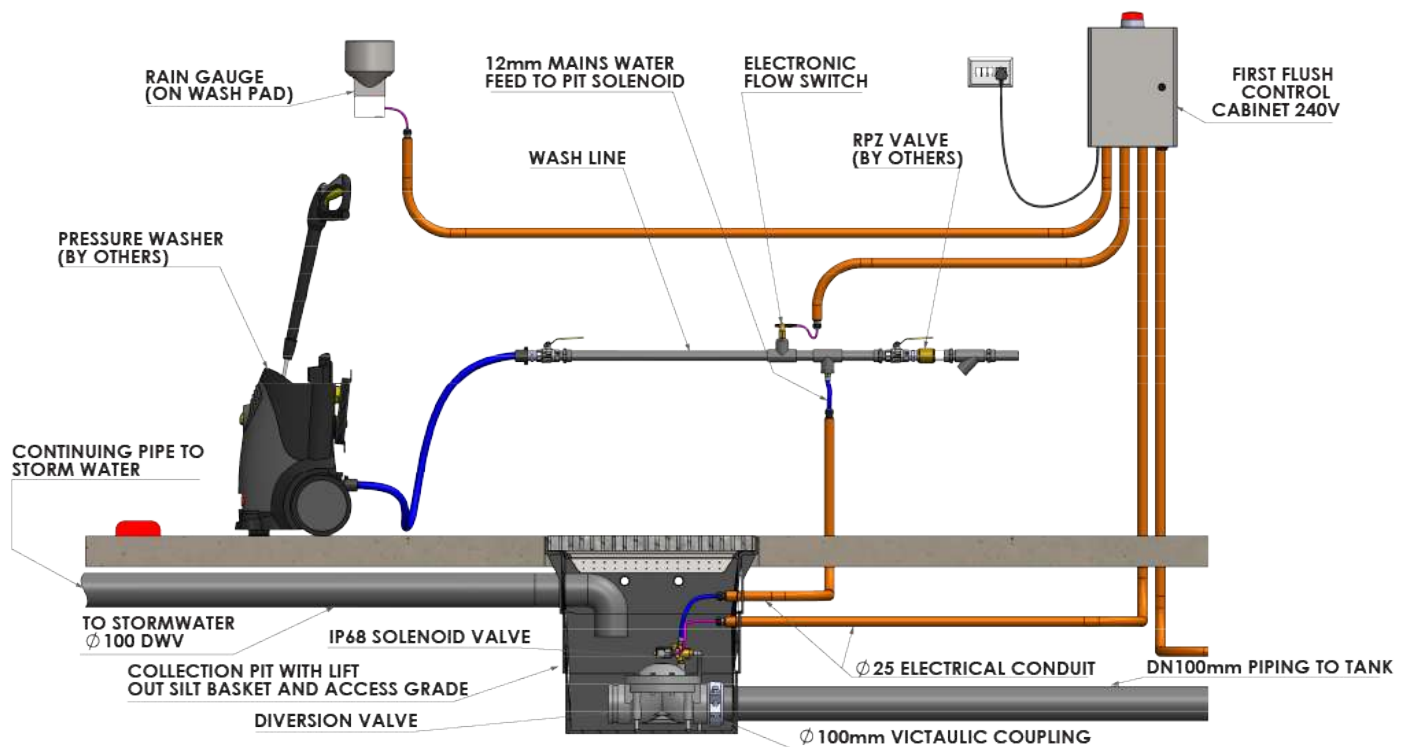
Common Applications

- ◆ Unroofed Wash Down Bays
- ◆ Airport and Airplane Wash Down Bays
- ◆ Construction Sites
- ◆ Vehicle and Equipment Wash Down Bays
- ◆ AQIS Wash Down Facilities
- ◆ Large Industrial and Mechanical Workshops
- ◆ Refuelling Areas
- ◆ Transformer Bunds
- ◆ Truck and Heavy Vehicle Bays
- ◆ Hire Equipment Branches

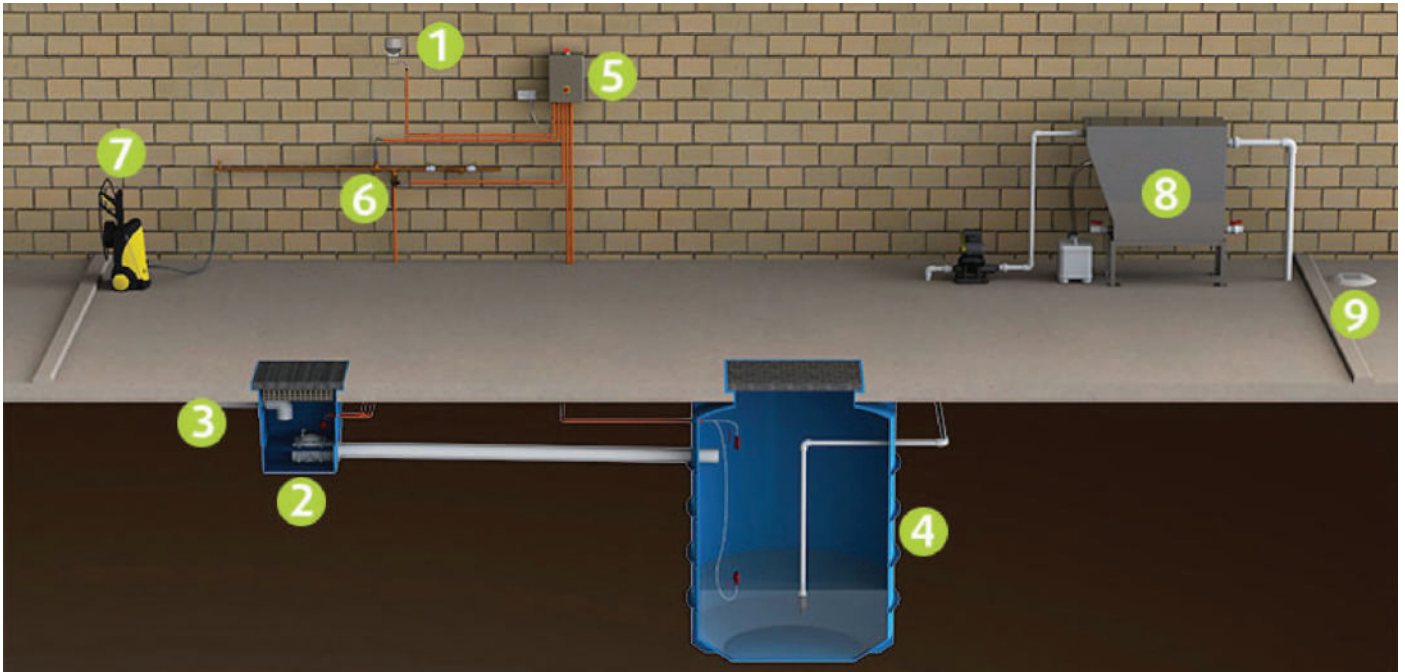
Standard Inclusions List

Item	Included
CleanaWater Diversion Pit 600mm x 600mm x 600mm (pre-plumbed)	✓
Class D Access Gate	✓
Stainless Steel Silt Trap	✓
CleanaWater Diversion Valve	✓
Control Panel 240v	✓
Rain Gauge	✓
Water connection manifold including flow switch and actuator	✓

* Additional accessories available to suit your specific application. Contact CleanaWater to discuss your requirements on 1800 353 788.



How do they work?



Number	Description
1	Rain gauge is activated
2	All wash water is directed to the CleanaWater Diversion Pit
3	Diversion valve shuts allowing discharge to stormwater after 10mm or programmed rainfall amount is exceeded
4	Diversion valve open allows contaminated water to flow into main collection pit for further treatment and discharge to authorised discharge point
5	Control panel controls the actuation of the diversion valve and/or treatment system if applicable
6	Water connection manifold is connected to the diversion valve enabling open/close operation. Valve is electrically or pneumatically actuated depending on the application
7	For wash pad applications the pressure washer (supplied by others) resets the diversion valve when a wash operation occurs
8	Oil separator treats contaminated water prior to discharge. Commonly paired with diversion systems for a total water treatment solution
9	Water is treated and discharged to sewer or approved discharge point

Specifications

Model	SMARTDIVERT
System Info	
Dimensions (Pit)	600mm long X 600mm wide X 600mm deep
Silt Trap	Stainless Steel/Galvanized
Access Grate	Class D
Water Connection Manifold	1/2" BSP
First Flush Controller	240V 10A
Valve Actuator	1/4" BSP, 24v DC
Valve Actuation Method	Rain Gauge