

Demand Driven Washdown Diversion System

FOX DD600

Eliminates expensive roofing creating a more effective outdoor wash area

The Fox Demand Driven Washdown Diversion System from Stormwater360 is an effective control device for any unroofed washdown area automatically diverting wash water as well as the 'first flush' (if required) to sewer or treatment, whilst allowing unpolluted rain water to enter the stormwater network.



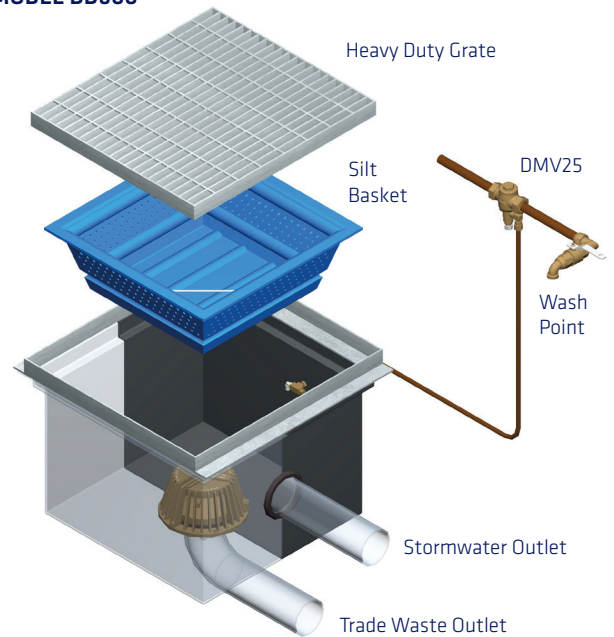
At the heart of the Stormwater360 Fox Diversion System is a Fox Demand valve which is fitted inline before the wash point and the Fox Diversion Valve, which comes fitted in a range of varied pit sizes or can be set up on 10mm marine grade aluminium plate to suit custom formed concrete pits.

HOW DOES IT WORK?

A hydraulic signal is sent from the demand valve to the diversion valve when washdown commences, automatically opening the diversion valve protecting the environment from contaminated washwater.

At the end of the washdown operation the diversion valve will automatically close, allowing rainwater to exit through the stormwater outlet, avoiding flooding of the treatment system, which then leads to the subsequent local sewer network.

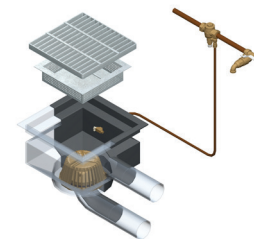
MODEL DD600



Fox Demand Valve DMV25



Fox Diversion Valve DV150



MODEL DD600S



APPLICATIONS

- Bin & car wash facility
- Machinery washdown
- Mechanical workshops
- Parts washing
- Marinas & slipways
- Truck washdown
- Rail yards
- Vehicle dealerships
- Kennels
- All wash applications

CONTACT DETAILS

Stormwater360

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SCHEMATIC DETAIL OF DD600 SYSTEM

SPECIFICATIONS

Chamber Capacity	130 Litres
Material	6mm MDPE
Silt Basket Capacity	50 Litres
Diversion Valve	9mm holes
Flow Rate	1200l/min
Grate	@.5m head
	Class 'B'
	Galvanised

Available Option
150mm Stormwater Outlet
Class 'D' Grate
Note: Inverts will change.
Request details if required.

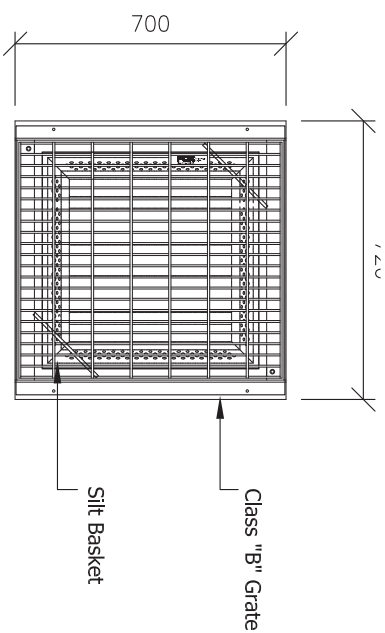
PROCESS DESCRIPTION

The Fox DD600 is a demand driven diversion unit that is designed for use in an area where, at the end of a wash activity the area will be hosed clean of pollutants such as grease and oils. **It is most important that the area be left clean as there is no protection for the environment when a wash operation is not taking place.**

All runoff is presented through the grated inlet and a polyethylene basket captures silt, solids and free floating debris. This is removable for disposal of captured pollutants.

A Fox Diversion Valve is fitted in the bottom of the pit and is connected via a $\frac{1}{2}$ " drive line to the Demand Valve by the installing plumber. This is the signal line that will activate the diversion valve when the demand for wash water is detected.

During a wash operation all runoff is diverted to a holding tank for treatment before exiting to the sewer. Once the wash activity has ended the valve will close allowing any rain to fill the chamber and leave through the stormwater outlet.

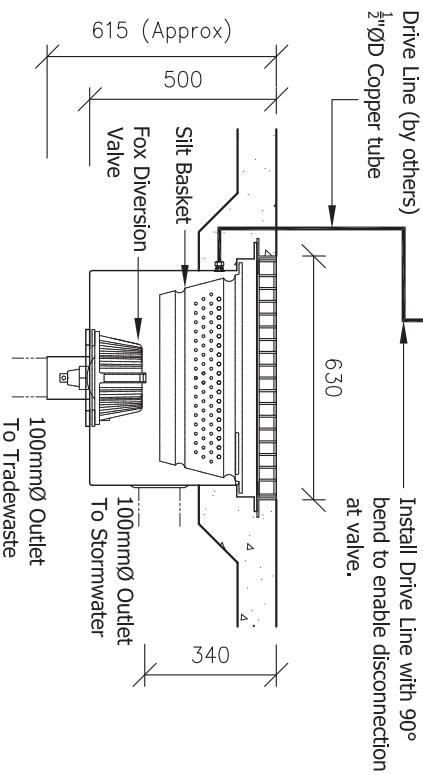


PLAN

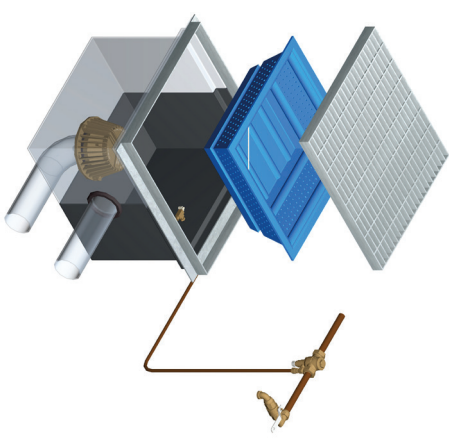
Cold water supply min 100kPa, others) Must be protected by RPZ.

Fox Demand Valve

All washdown points must come from this point. Non washdown points should be from before Demand Valve.



Elevation



This is a schematic representation only. Slab size and gradient to engineers details as arranged by customer. All plumbing and electrical connections to be installed by certified tradesmen in accordance with relative authorities requirements. Tradesmen to be engaged by the purchaser. System to be approved by relative Local Authorities before Installation.

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Project

System Specifications

Drawing Title

DD600 System

Drawn by:	J.F.S
Date:	20/10/2009
Scale:	As Specified
Drawing No:	A4-SPEC-1003/2