

The Fox Model DD600S Demand Driven Diversion System

A Fox Model DD600S washdown diversion system is a demand driven unit. It is designed for use in a wash area where at the completion of a wash activity the area will be hosed clean of pollutants such as grease & oils. It is important that the area be left clean as there is no protection to the stormwater network during a rain event. The unit is particularly suited to bin wash areas and dedicated carwash facilities in high rise developments. It is not designed for use in areas where silt and solids will be generated such as truck wash, equipment washing, or agricultural applications.

When a wash operation is taking place the diversion valve will be held in an open position allowing all runoff to go to tradewaste. When washdown ceases the valve will close allowing any rain to fill the chamber and leave through the stormwater outlet.

It is most important that the area is left clean as there is no protection for the environment when a wash operation is not taking place. Should the area not be able to be left clean the Fox First Flush System would be recommended (FF600).

The unit is fitted in a polyethylene chamber with a 400 square medium duty grate. A galvanised steel mesh stone basket is fitted below the grate to capture solids and free floating debris. This is removable for disposal of the captured pollutants. A Fox Model DV150 stormwater diversion valve is installed in the bottom of the chamber. A Fox Demand Valve is provided and must be installed prior to the wash point. A ½" copper drive line is installed from the demand valve to the connection point of the chamber by the installing plumber. This is the signal line that will activate the diversion of the unit when a demand for wash water is detected. Plumbing regulations require that an RPZ unit is fitted prior to a hosepoint in the wash area. Fox can supply an RPZ and strainer on request.

In some Shires it is a requirement that washdown cannot take place in open areas during a rain event. The Fox Model DD600S WSD provides this facility. Local Council Regulations should be confirmed before installation.

The system will be installed by others in accordance with the instructions provided by Fox Environmental Systems at the time of ordering. Please refer to our drawing A4-SPEC-1001 for the DD600S specification details and drawing A4-INST-1001 for typical installation requirements.