



## Environmental Equipment Engineering, Inc.

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### FOX FIRST FLUSH DIVERSION SYSTEM MODEL: FF 600

All wash-points must be taken from a supply that passes through the Control Panel. When a washdown activity is detected by the system all run-off is diverted to a Holding Tank or similar for treatment or proper disposal. At the commencement of rain the system will be controlled by the PLC to deliver a predetermined volume (i.e. number of chamber drops) that is equivalent to a "First Flush" of the site. The Fox PLC has features that are unique and include the following:- FIRST FLUSH VOLUME CONTROL... this function allows the first flush volume to be changed on site if more or less run-off needs to be collected; WASH-DOWN SENSING... This function ensures that a First Flush activity only commences after a washdown operation has occurred; DELAY DROP FUNCTION... this function allows for the residue from a washdown activity to drain to the equipment and diverts it for treatment; HOUSE CLEANING ALARM... This feature will activate if the diversion valve fails to close. Usually failure to close indicates that the system is in need of a 'housekeeping' activity.

**The requirements of local authorities can vary, additional features & options are available to ensure that the system will fulfil each authorities specific requirements.**

#### APPLICATIONS

Equipment wash down - Truck wash down - Parts wash down - Pollution control of open areas. All open air wash down areas that require silt and solids control

DIVERSION VALVE		FIRST FLUSH DEMAND VALVE	
Model	FOX FF600	Model	FF600
Flow Rate	1250 l/min @ 0.5m Head	Body	Gunmetal
Body	Gunmetal	Internals	Gunmetal
Shafts	Stainless steel	Seals	Nitrile rubber / polyurethane
Flange	Nylon	Max. inlet pressure	400 kpa
Diaphragm	Nitrile rubber	Size	Suits 25mm supply
Gasket	Nitrile rubber	Solenoid	12v dc. 12mm N.C.
Size	150 mm	Proximity switch	12v dc Pepperl & Fuchs
Control Station	Fox programmable logic controller	POWER SUPPLY	240 v AC 10 amp (by others)
DELAY JET	1.5 brass cap jet	DRIVE LINE	12mm copper (not supplied)
SILT & SOLIDS CONTROL	600x600 polyethylene	silt basket	9mm holes
GRATE	600x600 galvanized medium or heavy	PANEL BOX	galvanized or stainless steel