

Latest Generation Autowash System

THE CONCEPT

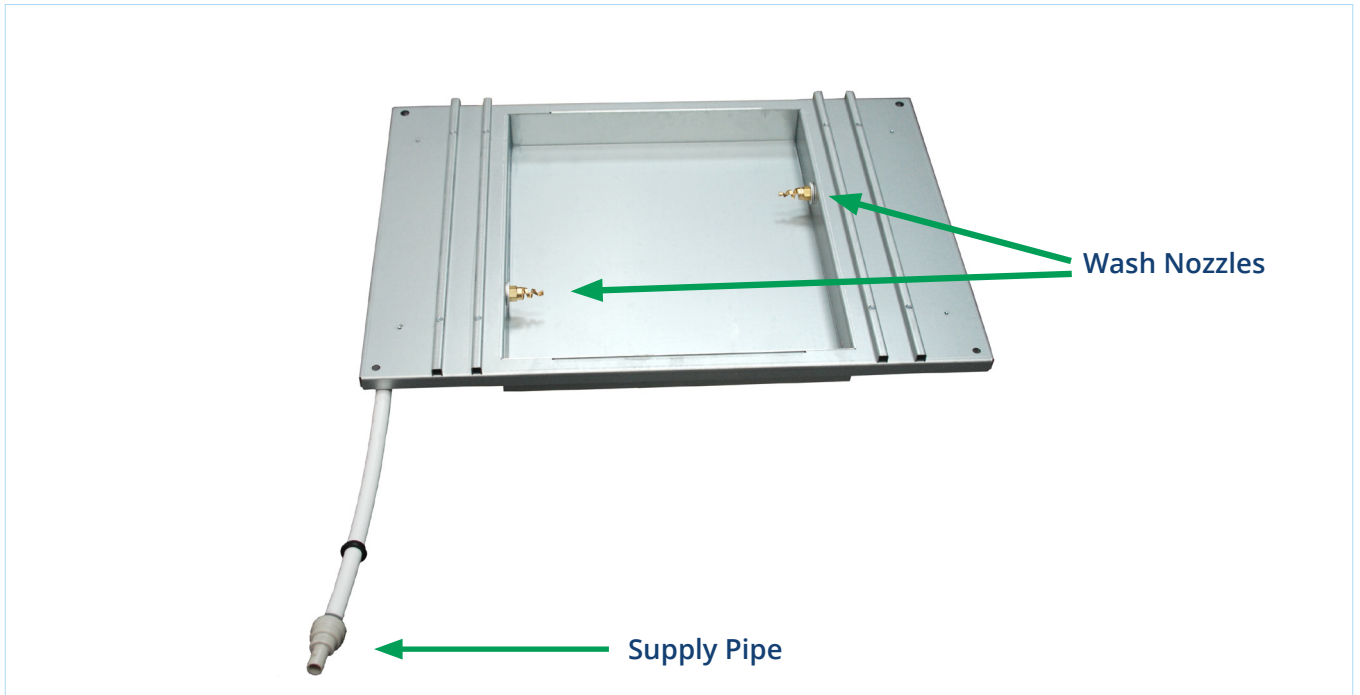
We have had an Autowash option available since 2012 but historically it has been expensive by comparison to manual wash systems and had to be pre factory fitted. Our goal was to reduce the cost of this option and also make it so that it could be retro fitted in the field without duct modifications etc. We are pleased to be able to say we have achieved both.



Technical Specification

The control, detergent and water supply is housed in one cabinet which is placed next to the ESP unit(s). One control station can operate with up to six ESP units but is also cost effective when only used with a single ESP. The main control is a PLC and this can be programmed to suit the number of ESP units and it will initiate a timed rinse, wash and dry program whilst it locks out the supply to the ESP unit(s). The wash program can be initiated manually or on a timed basis when the extract system is not in operation.

There are warning signals and lamps to notify when there is a problem or the detergent tank is empty. These controls can be wired to work autonomously or via a building management system (BMS).



Nozzle Attachment

Each ESP unit has a bespoke nozzle attachment which is pre piped with two wash nozzles per collector. These are fitted in place of the standard top filter guide and can also be easily retro fitted to any post 2015 unit. A small hole needs to be drilled in the side of the ESP to accommodate the supply pipe.

Servicing

The Autowash process is designed to reduce manual maintenance not replace it. Collectors will need to be checked and manually washed approximately every three months, mesh filters need to be checked monthly.