

ENVIROMEC

Technical Features of wheel wash system

- 84 strategically placed nozzles force muck out of tyre treads
- Unique cross hatch spray pattern
- Each nozzle delivers 4 bar pressure (60 psi)
- Flow rate: 20 litres per minute each nozzle
- 5mm nozzle aperture virtual blockage free
- Larger nozzles can be specified
- 16 nozzles on vertical spray bars pre and post wash
- Cleans side walls, hubs and vehicle sides
- Main wash pumps driven by inverter
- Infinitely variable speed drive
- Unlimited number of starts
- Maximise motor life
- Minimise the size of electrical supply
- Minimise generator size and costs
- 22kW - 63.5amp pump- 44amp start up current
- 30kW - 74.5amp pump - 52amp start up current
- 35kva generator runs 22kW system
- 45kva generator runs 30kW system
- View amps/hertz being used PROGRAMMABLE LOGIC CONTROL (plc)
- Fully programmable: wash sequence, sludge removal sequence, sensitivity of reflux sensors, all timers, wash counter, fault messages
- Number of washes counter

Panel

- Running indicators, fault indicators
- Emergency stop/reset
- Auto/manual switches

Technical

All submersible pumps are 1.5 kW 3 phase (415v) automatic and 0.55 Cubic Metres per Minute Duty, float switch controlled. The Vertical Multi-stage pumps are stainless steel construction. 5.5kW 3 phase (415v) close coupled. All VMS pumps are fitted with swing check valves and low level sensors, at 80 gallons per minute at 80 psi Duty. The medium pressure section is sensor controlled for pressure loss.

Wheel Wash System Options

Typically the unit is approx. 10m in length and 3.5m wide though all units are bespoke and/or built to specification. The unit can be fitted with extra side screens (SWS) to protect the surrounding area or used in conjunction with a Gantry System (GWS) for irregular cleaning operations. A semi portable high pressure hand lance facility can be installed for vehicle cleaning. The unit is also available as a portable model. Available on Contract Hire or rental, all units bespoke and/or customised. Morclean would be pleased to liaise with end users, Design or Consulting Engineers, and Civil Engineers with any project.