

RAPID JETWASH RJW2: ULTRA HIGH PRESSURE WASHOUT SYSTEM.

Supply an ultra-high pressure washout system consisting of the following parts:

- SPRAY HEADS** 2No spray heads in the roof of the mixer. The spray heads each consist of 2No nozzles mounted on a rotating unit that rotates in both the horizontal and vertical planes giving a complete spherical cleaning action. The rotation is powered by miniature turbines inside the unit driven by the flowrate and pressure of the water, and is geared so that the complete wash cycle, **takes approx 4 minutes**. The water is pressurised to 140 bar (2030 psi), providing a series of high intensity jets.
- PUMPS** 2No 11 kW (15 HP) pumps delivering 30 litres/min each. The pumps are connected to the spray heads via a manifold system and high pressure hydraulic hoses.
- CONTROL SYSTEM** A control panel is fitted to control the pumps. Start / Stop buttons are fitted for manual operation and terminals are fitted for connection to remote starting, eg, from the mixer's automatic batching control system or a lance control. There is a key switch fitted on the panel so the operator can switch from remote to local control. The motors are started in sequence on timers to avoid overloading of the electrical supply. The panel has ammeters displaying the current drawn by each motor. A low water level sensor is fitted in the buffer tank, to shut-down the pump motors if water level is low. The wash cycle time can be adjusted inside the panel should it be necessary (from the standard time).
- WATER TANK** A 380 litres capacity buffer water tank is fitted on the unit, complete with 3/4" ball cock. The client's water supply should be sized to match the output of the pumps which can deliver 90 - 120 litres/min depending on number of pumps. Drain valves are strategically located in the pipe-work system to enable the water to be drained out, in cold weather. (The Jetwash must be drained if it is likely to be frosty)
- BASE UNIT** The pumps, tank, and control panel are fitted into one complete unit with a 6mm mild steel galvanized chassis and access covers. Brackets are fitted in the bottom of the chassis to suit lifting by forklift, and lifting eyes are fitted at the top of the chassis for lifting by hoist.
- MANUAL WASH LANCE** An 18m length of hose and trigger operated lance are supplied for washing additional areas of the mixer.

Wiring and plumbing instructions will be provided, along with an operating manual. (Wiring and plumbing to external supplies by others unless stated otherwise.) The jetwash must be interlocked to the batching control system safety relay, so that it is not possible to operate the jetwash with mixer lids in open position.

MECHANICAL INSTALLATION

On site mechanical installation of the Jetwash base unit and heads. To provide engineers to make the necessary modifications to the mixer lid to fit the nozzles and connect the base unit to the nozzles via hydraulic hosing. (Note: Connection to electrical and water supplies by others). We would require the use of a forklift to lift the base unit up to the mixer platform. Including labour and accommodation.