

# SPECIFICATION



MACHINERY MANUFACTURERS TO  
THE CONCRETE, CONSTRUCTION  
& ENVIRONMENTAL INDUSTRIES

## RAPID JETWASH RJW4-4H: ULTRA HIGH PRESSURE WASHOUT SYSTEM.

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

### BASE UNIT

The pumps, tank, and control panel are fitted into one complete unit with a 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.



### PUMP

4No 11 kW (15 HP) pumps delivering 30 litres/min each. The pumps are connected to the spray heads via a valved manifold system and high pressure hydraulic hoses.

### SPRAY HEADS

4 No 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.



### 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. A key switch is fitted on the panel so the operator can switch from remote to local control. 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 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 30 litres/min each. 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)

**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.