Innovation in and out of parlour

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Auto Wash Plant Washers

The Auto Wash range of automatic plant washers from ATL are simple and easy to use wash controllers that wash the parlour automatically after each milking.

They provide more consistent and efficient cleaning using less chemical than manual washing irrespective of the operator.

The systems are fully programmable and their versatility provides an excellent wash to any size or type of milking parlour.

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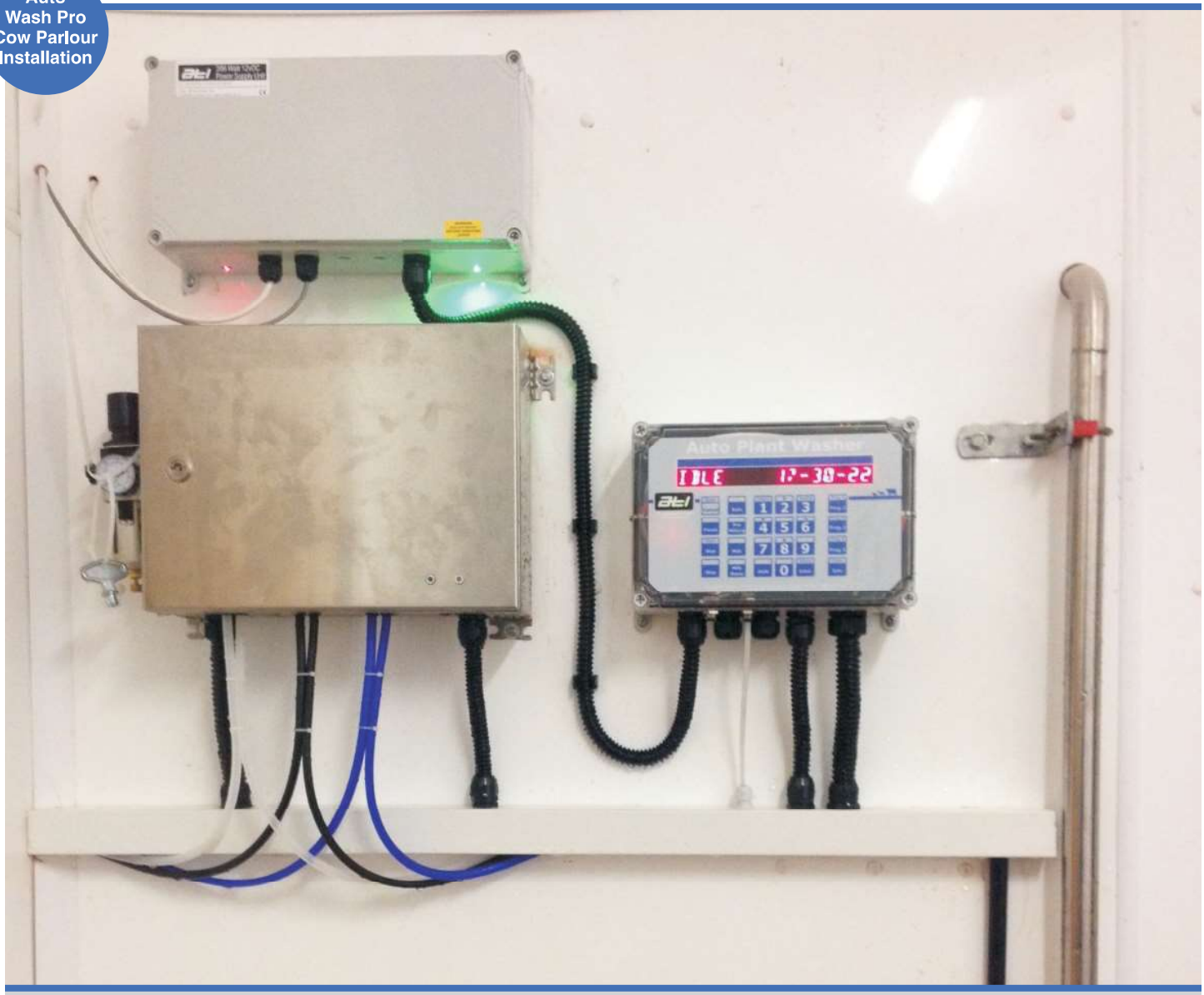
Auto Wash Pro Cow Parlour Installation



About ATL Auto Wash Automatic Plant Washers

ATL has developed the Auto Wash range of automatic plant washers to suit different sizes and types of milking parlours. They are the Auto Wash 365 and the Auto Wash Pro.

Why Install an Auto Wash Plant Washer from ATL?

- The Auto Wash range automatically wash the parlour after each milking - or before if pre-milking washing is required.
- They provide more consistent and efficient cleaning using less chemical and water than manual washing irrespective of the operator.
- The systems have fully editable programs including milking - providing flexibility such as creating a cycle in the program where the vacuum pumps are turned off while the operator washes down and remaining milk pushed through to the milk tank but the auto drain valves are still closed - allowing electricity usage to be kept to a minimum.
- The systems display error messages to warn operator of potential problems so preventative actions can take place before issues occur.
- The systems also store all error messages in memory for easier fault traceability.
- Both the Auto Wash 365 and Auto Wash Pro require an external wash trough, hot water supply and air injection system. They are open circulation cleaning systems.

Auto Wash 365 Sheep Parlour Installation

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Auto Wash 365

About the Auto Wash 365

The Auto Wash 365 is the everyday plant wash system from ATL. It is a simple and easy to use wash controller that washes the parlour automatically after each milking. It provides more consistent and efficient cleaning using less chemical than manual washing irrespective of the operator. The system is programmable and it's versatility provides an excellent wash to small or medium size milking parlours.

Control Features

- Fully programmable control unit allowing programs and settings to be optimised for every milking parlour.
- Large LED display showing washing status.
- 4 wash programs, including dedicated pre-milking program, wash program 1, wash program 2 and wash program 3 keys.
- Wash trough temperature sensor.
- Stainless steel pressure level sensor in wash trough - gives ultimate control and enables different water levels to be used in different washing cycles and programs.
- Controls up to 2 vacuum pumps - staggered start of vacuum pumps standard to ease load on 1 phase systems - requires motor starter for each pump (optional).
- Link to ATL Milk Meters, Milk Pump Control and AirBlast Control to change mode between wash, milk and idle via one button press.
- Fully editable programs and individually testable outputs.
- Complete error message log stored in memory for easier fault traceability.

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Control Features

- Controls 1 hot water valve and 1 cold water valve - 3 sizes either 10mm, 13mm or large bore
- Vacuum operated 3 way diversion valve in return line for diverting to drain or wash trough
- Vacuum operated automatic drain valve(s) optional
- 1 milk pump on and off output - 12vDC - controlled via relay/contactor (not included)
- Wash slugger control on and off output - 12vDC - controlled via relay/contactor (not included)
- Master pulsation control on and off output - 12vDC - controlled via relay/contactor (not included)
- Automatic drain valve output included - 12vDC - vacuum or compressed air operated automatic drain valve(s) optional
- Wash safety switch output included - 12vDC - wash safety switch optional
- Milk safety switch output included - 12vDC - milk safety switch optional
- Wash trough drain valve output included - 12vDC - drain valve and solenoid not included
- 1 spare output - 12vDC

Pump Unit

- Separate pump unit keeps electronics and chemicals apart
- Peristaltic pumps accurately dispenses chemicals at up to 0.8 litres per minute - up to maximum of 3 pumps
- Automatic chemical dispensing reduces operator handling of chemicals to a minimum

Benefits

- Easy to use – just push a program button and the unit will automatically clean the milking parlour for you
- Electronic system – optimise settings to suit any parlour
- Consistent cleaning control – temperature, chemical dosing and time are all automatically controlled irrespective of the operator
- Automatic dosing of liquid detergents – maximises operator safety and prevents excessive use of detergents

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Auto Wash Pro

About the Auto Wash Pro

The Auto Wash Pro is the top of the range plant wash system from ATL. It is a simple and easy to use wash controller that washes the parlour automatically after each milking. It provides more consistent and efficient cleaning using less chemical than manual washing irrespective of the operator. The system is programmable and it's versatility provides an excellent wash to any size or type of milking parlour.

Control Features

- Fully programmable control unit allowing programs and settings to be optimised for every milking parlour
- Large LED display showing washing status
- 8 wash programs, including dedicated pre-milking and milk stone program keys
- Wash schedule can be created and operator just presses Auto key so no need to remember which day and time a wash should be carried out (i.e. milk stone wash on Tuesday PM)
- Up to 3 temperature sensors - wash trough and return line sensors supplied as standard - 3rd sensor optional
- Stainless steel pressure level sensor in wash trough - gives ultimate control and enables different water levels to be used in different washing cycles and programs
- Conductivity sensor included to check chemicals have been added to wash water and warns if not detected
- Vacuum sensor to monitor vacuum during milking and washing - warning if deviates from set value - controls ATL Variable Speed Vacuum Pump Control System via data link
- Controls up to 3 vacuum pumps - staggered start of vacuum pumps standard to ease load on 1 phase systems - requires motor starter for each pump (optional)
- Link to ATL Milk Meters, Milk Pump Control and AirBlast Control to change mode between wash, milk and idle via one button press
- Fully editable programs and individually testable outputs
- Complete error message log stored in memory for easier fault traceability

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Control Features

- Controls up to 2 hot water valves - supplied with 1 x 40mm compressed air operated valve for maximum flow - and 1 cold water valve - supplied with a 12vDC electronic valve with backup manual shut-off
- Compressed air operated 3 way diversion valve in return line for diverting to drain or wash trough
- Compressed air operated automatic drain valve(s)
- Optional suck up line valve to control vacuum build up and water ingress into milk lines - compressed air operated
- 2 mik pump on and off outputs - 12vDC - controlled via relay/contactor (not included)
- Wash slugger control on and off output - 12vDC - controlled via relay/contactor (not included)
- Master pulsation control on and off output - 12vDC - controlled via relay/contactor (not included)
- Automatic drain valve output included - 12vDC - vacuum or compressed air operated automatic drain valve(s) optional
- Wash safety switch output included - 12vDC - wash safety switch optional
- Milk safety switch output included - 12vDC - milk safety switch optional
- Wash trough drain valve output included - 12vDC - drain valve and solenoid not included
- Separation valve output included for recycling wash water to another trough for other use - 12vDC - separation valve not included
- End of wash output included - 12vDC
- 5 spare outputs - 12vDC - 2 spare solid state outputs - up to 24vDC/24vAC - 2 spare inputs - 12vDC

Pump Unit

- Separate stainless steel pump unit keeps electronics and chemicals apart
- Peristaltic pumps accurately dispenses chemicals at up to 2.5 litres per minute - up to maximum of 4 pumps
- Automatic chemical dispensing reduces operator handling of chemicals to a minimum
- Includes compressed air regulator and compressed air solenoids for the different valves in system

Benefits

- Easy to use – just push a program button and the unit will automatically clean the milking parlour for you
- Electronic system – optimise settings to suit any parlour
- Consistent cleaning control – temperature, chemical dosing and time are all automatically controlled irrespective of the operator
- Automatic dosing of liquid detergents – maximises operator safety and prevents excessive use of detergents
- Wash safety lock - prevents wash start up if milk delivery line connected to milk tank

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