

Self Serve Carwash Equipment

Innovative Carwash Equipment by Prowash

iWash Pump Stand

The iWash pump stand is the heart of the self serve carwash because it brings together all other equipment required (Water Softener, Reverse Osmosis, Hot Water System and Compressor) to deliver products into the carwash bay. As the user-friendly functions are selected in the carwash bay through the bay controller, the pump stand responds and delivers the selected product.

Some products are best applied to the vehicle under low pressure, while others require high pressure application, and it is the pump stand that controls this. The pump stand frame is constructed from stainless steel tubing and the unit is pre-wired and pre-plumbed. Housed within the frame are a host of components and troubleshooting features that deliver the optimum wash for your customers and, importantly, the smooth operation of your self serve bays at all times.

iWash Pump Stand Features

- > Available for 2 – 8 bays
- > One high pressure CAT310S pump with stainless steel sleeve, for each bay
- > Flojet air pumps (G57 Kalrez) used on pump stand.
- > Stainless steel chemical mixing tanks fitted with hydrominder valves to provide an accurate automatic mixture of each product for delivery into the carwash bay
- > Three phase power loss protection
- > Low water pressure protection which pauses the timers in the bays to prevent the pumps from running dry. Once pressure is returned to normal levels, the bays continue to operate
- > Hot high pressure soap and high pressure wax
- > Low voltage control wiring (24V) to prevent any risk of electrocution
- > Built-in time clock to control operating hours if your council only permits you to operate during set hours
- > Pulsation dampner on each high pressure pump
- > Stainless steel rebuildable solenoids
- > 4KW motor standard
- > Low voltage circuits protected by resettable circuit breaker
- > Pre-wired and pre-plumbed for easy installation
- > 3 Phase power required on site



iWash Pump Stand (6 Bay)

iWash Pump Stand Advanced Features

- > Tri Colour Splatter Wax
- > Main isolation switch controls complete pump stand
- > Low water pressure cut-off to protect pumps from running dry
- > Unique equipment protection against power interruptions
- > External isolator key switches per bay
- > Individual stainless steel chemical tanks with non-drip lid
- > All stainless steel square water manifolds
- > Cog belt drive
- > Individual bay start/stop switches on pump stand
- > Mains pressure hot & cold water feed to high pressure pumps
- > Back pressure relief valves on all low pressure lines (excluding Splatter Wax and Foam Brush)

Self Serve Equipment Installation Features

- > 3/8" low pressure poly tubing for increased flow rate from the iWash pump stand to each self serve bay
- > High pressure hoses supplied as standard
- > Air mixed with all low pressure functions (Air compressor required)
- > High pressure guns complete with insulated wand and nozzle protector
- > Plastic covered aluminium foam brush handles complete with dual swivels to reduce wear
- > Genuine super long hog hair brushes
- > High pressure gun swivels & swivel saver hoses

iWash Touch Select Bay Controller

The Touch Select Bay Controller is the interface between your iWash Pump Stand and the self serve carwash bays. It allows your customer to purchase time using \$1, \$2 coins and/or tokens and select the wash function suitable for washing their vehicle. The Touch Select Bay Controller incorporates a Microcoin® QL coin acceptor (for coins and/or tokens), a 10 position wash function selector and a count-down timer display with buzzer.

The Touch Select Bay Controller comes with a number of features to ensure all daily operations are conducted with ease.



Carwash Operator Features

- > Check coin and car counts per bay and reset counters via P.I.N. access
- > Bay wash down function, allowing 5 minutes of High Pressure Rinse via P.I.N. access
- > Program minimum 'coins to start' amount for customers
- > Programming of time can be done in increments of 5 seconds
- > Grace time (option), this is to enable a period where the minimum start value is not required to continue the time
- > All P.I.N.'s can be reprogrammed

Customer Features

- > Microcoin® QL coin acceptor accepts \$1, \$2 coins and multiple tokens
- > Advanced push button technology for easy selection of wash functions
- > 10 second alert when there is 1 minute remaining on the timer
- > Time doesn't start counting down until the first selection is made by the customer; this allows time for your customer to read the recommended wash instructions.

Safety Features

- > Concealed 'hidden shackle' American Lock® with one key access for all wash bays
- > Coin vault holds an average of \$1200 coins to avoid frequent unauthorised access by staff members to empty vault
- > Water resistant cover on internal components to decrease possible water damage
- > Solid state relays incorporated to prevent time accumulation from impact

Reverse Osmosis (R/O)

Reverse Osmosis (also known as hyper filtration), is the finest filtration system known. It is the process of removing the Total Dissolved Solids (TDS), with particles as small as ions, from the water supply. Reverse Osmosis uses a membrane that is semi-permeable, allowing the fluid being purified to pass through it, while rejecting the contaminants that remain. The water is then stored in a tank and used for the final 'spot free' rinse option in the self serve carwash bay. This means not having to use a chamois to dry the car as the purity of the water allows it to dry naturally without spotting.

iWash R/O Features

- > 1800, 3600, 5400 & 7200 Gallon Per Day (GPD) sizes available
- > Produces spot free final rinse water using R/O water
- > Automatic back flush using R/O water at the end of each production cycle increases the life of the membrane
- > Low water pressure cut-off with audible alarm
- > Individual lines to each bay
- > Manual test function to operate R/O
- > Storage tank with high and low level float switches
- > Carbon pre-filter with automatic back flush
- > 1 Micron pre filter
- > Recycle of waste water is available
- > Pocket T.D.S (Total Dissolved Solids) meter & chlorine test kit supplied
- > Pump stand and wall mount option available

Z Booms

The wash bay boom, also referred to as a Z Boom, has been designed specifically to allow 360° of operation for all in-bay wash functions. There are two Z Booms installed in the centre of each carwash bay to deliver foam brush and high-pressure functions separately.

Features

- > Strong and sturdy stainless steel construction
- > Brass break away fitting to release hose and reduce possible damage
- > Mosmatic® 90° swivel standard
- > Sealed bearings require no maintenance
- > Z Boom configuration and bearing ensures a smooth 360° operation



Prowash Australia
13-15 Flight Drive
Tullamarine Victoria 3043
T +61 3 8340 3200
F +61 3 8340 3248
prowash.com.au

Proudly distributed by: