



Chiefs Touchless Cleaning
A Wide Range of Solutions



Wash Bay Installations and Upgrades

Many of the significant improvements that can be achieved in a wash bay are quite simple to implement. Chiefs Australia has designed and developed a range of wash bay options that can bring efficiencies to most operations, producing time and money savings immediately after installation, setup and training.

The most popular option is the Australian designed and manufactured Injecta Chem, combined with German engineered application equipment. This provides the option of having up to four Chiefs touchless chemical products available to wash bay staff at a twist of the handle. An alternative system (ST-164) is also available that allows for two chemical products plus a dedicated water path.

The products for an Injecta Chem can be customised according to the needs of the operation. For example, Nerta Active Diamond for trailers, Chiefs Platinum Wash for prime movers with polished aluminium, Full Force Degreaser to degrease and Nerta Carnet Jumbo for the company utes.

The system is also increasingly being adopted for the removal of more stubborn contaminants, such as red dirt typically found in WA, with the use of Chiefs own Duo Wash formula. Duo Wash is our most powerful dirt removal system yet and is already bringing significant savings to some of the larger fleets operating in Australia.

Chemical usage through the Injecta Chem is also set at a constant ratio, normally around 100:1, which ensures a massive saving on product usage. In addition, being touchless, vehicles can be cleaned in a fraction of the time compared to traditional "bucket and broom" methods.

Setup is quick and simple as the system can be matched to any existing pressure washer. It comes with a German Suttner chemical resistance easy trigger gun, new lances with fitted ceramic tips and either a single Suttner foamer or a rollover lance. All these quick connect to the gun for ease of use.

At Chiefs, we offer both installation and staff training on the various chemicals, PPE requirements and best practice on how to clean your fleet as efficiently as possible.



CHIEFS INJECTA CHEM

Touchless cleaning – An Explanation

Not really a statement but more of a method. This unique method has been designed by Chiefs specifically for the products and systems they have engineered. Having identified the problems in traditional cleaning, Chiefs have created, tried and tested methods that benefit the operator by reducing:

- Swirls in paint caused by scrubbing in the road grime
- Manual labour issues
- Time
- Inaccessibility to hard to reach areas
- Improved technique

The system is counter intuitive but very effective once correctly adopted. Foam on, power wash off, rinse. Fewer steps to better results. The foaming products must be thoroughly applied to be effective on every surface. Power washing must then be carried out in an even and consistent pattern, from the bottom to the top, or backwards into fresh soap. This is the part that is significantly different from traditional methods. It is crucial to achieve great results and easy to adapt to.

RESULTS THAT SAVE

Increasing the dwell time of the products and activating them by applying them as a foam, dramatically improves the coverage and effectiveness of the products. When applied correctly, there is little need for manual brooming, resulting in a long list of benefits.





“Renovation Cleans” - Seeing is believing!

Some vehicles and equipment become heavily stained from their working environment. Removing or renovating stains such as red iron ore, heavy mineral stains, built up road grime or just old tired paintwork has always been an expensive and labour-intensive task. The Chiefs Duo Wash system is a powerful solution that deals with stains as gently as possible, allowing a skilled operator to fully renovate equipment simply, and as often as needed.

The Chiefs Duo Wash system is unique in that it does not rely on extremely powerful components to aggressively cut through heavy grime. Instead, two chemically opposed solutions are applied sequentially at relatively low dilutions to the surface, creating a reaction on top of the grime. This reaction is visible immediately and releases stains very quickly. Severe stains can be dealt with by rinsing and reapplying straight away and the system is designed to quickly manage this.

Chiefs Duo Wash can safely be used frequently at low dilutions to maintain equipment in high contamination environments or it can be used at high dilutions to “renovate” equipment less frequently. Renovation cleaning is often used to bring equipment back to ‘square one’ to add value before sale or to get fleets back in shape. A complete renovation wash is impressive to behold as it is so quick and can be used in place of sandblasting and repainting.

The Duo Wash system features intuitive and simple hardware that allows an operator to quickly switch from product application to high pressure rinse at the gun. Changing between chemicals is done at the wall mounted injector to ensure the chemicals are applied in the correct order. This design is ergonomic and enables an operator to use the system for extended periods, increasing wash bay throughput.

The Chiefs Duo Wash system is well tested and has been transforming fleets across the country in the harshest conditions. This solution is the closest thing we have to a ‘silver bullet’ and has been a great success with our customers who love maintaining their fleets to high standards.



BEFORE

AFTER

Disinfection

To achieve the highest hygiene standards, it is necessary to remove all remnant contamination that bacteria need to grow and to kill already existing bacteria. There is a simple process to achieve positive disinfection. A pre-rinse to remove heavy dirt and soil followed by an application of high-pressure foam delivering a suitable detergent quickly and evenly to the remaining contamination. A thorough power wash ensures there is little remaining organic matter to disrupt the effectiveness of the sanitiser. The final process of applying the right disinfection chemical is best achieved as a fog. Fogging helps the sanitisers to settle down on all surfaces, even if they are facing away from the fogging unit. Allowing the surface to dry completely ensures the best protection against new bacteria growth.

Chiefs have extensive technical experience in the foam and fog systems that offer the user solid bottom line savings.

Injecting disinfection agents through a pressure washer fogging unit saves having separate systems. Chiefs injectors allow multiple chemicals to be drawn simultaneously or individually and can be applied as foam, fog or at low pressure simply by changing the head.

Chiefs have a disinfection cold fog device for agriculture, livestock and the food industry.

With our recent acquisition of the ST-83, we can offer an inexpensive and safe application for disinfection, humidification or insect control of interiors, stables or greenhouses.

The disinfection cold fog machine is also particularly suitable for use on construction sites for dust binding or mould removal. Inhalation of disinfectant, pesticide or other active ingredient solutions can simply be prevented since rooms do not have to be entered.

All that is required is a compressed air connection and handling is extremely simple.

This new product is now available and further information on the ST-83 cold disinfection device can be found by clicking on this link - <https://vimeo.com/482901910>





Fogging

The Suttner ST-83 disinfection cold fogging device is perfect for disinfection, humidification, cooling, odour neutralisation, pest control, mould treatment and dust deposition. The cold disinfection device can be placed in a room on its own. The cold mist spreads throughout the room and penetrates even the smallest cracks. The device comes with two nozzle inserts, one for better swirling suitable in smaller rooms such as passenger compartments. The other nozzle has a larger throw range for the treatment of entire rooms or for targeted treatment at the air intake of ventilation systems. A compressed air connection is required, the air inlet is a series 25 probe.

A window bracket is available for use with the ST-83 Cold Fogging device, which is ideal for internal vehicle disinfection. The bracket enables the ST-83 Cold Fogging Device to fit securely onto a vehicle window whilst disinfecting the interior of the vehicle. Extremely important technology in finding a strategy for many businesses coming out of lockdown during the current pandemic.

Important Information

There are two nozzles included with the ST-83. A swirl nozzle and straight nozzle, below is a guide as to the settings to be used for each nozzle. It is extremely important to have the pressure correctly set. If the pressure is too low you will not get the required venturi effect to lift any liquid for effective fogging. If the pressure is too high, the air pressure will overcome the venturi effect. Both scenarios will reduce the devices ability to fog correctly. Also, the ST78 Fogging/Micro Droplet Nozzle Holder can be attached to the Suttner Longcast Lance for a number of uses including dust precipitation, cooling, humidification, decontamination, disinfection, odour neutralisation in agriculture, food and construction industry, safety and fire-fighting equipment, car wash and processing industries.

SWIRL NOZZLE: Min: 2 bar, Max: 5 bar, Optimum: 4 bar

STRAIGHT NOZZLE: Min: 0.5 bar, Max 4 bar, Optimum 2 bar



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