

Did You Know...

information you can use



How to Pick a Great Parts Washer Chemistry

Most commercial detergents are designed to be used at high concentration in low pressure jet spray systems. While chemicals are necessary to enhance the cleaning process, your STINGRAY® Parts Washer does not primarily rely on chemical concentration for cleaning results. When charged with a light concentration of cleaner, 2–5% by volume, your Parts Washer will provide quality cleaning.

Alkaline Detergents

A good quality alkaline detergent is a mixture of components that work together to achieve the necessary results. The best water based alkaline cleaners are composed of an alkali source, a sequester, a surfactant, and corrosion inhibitors. The sequester is a binding agent that prevents undesirable chemical reactions, such as those that would form insoluble products like hard water scum. The surfactant is a substance that lowers surface tension in order to penetrate and loosen soils. It coats oil droplets and prevents them from recombining. A corrosion inhibitor slows down the rate of the chemical reaction that produces rust. The inhibitor prevents corrosion from forming both on your parts and inside your machine cabinet.

An alkali cleaner works by undercutting the soil, then “popping” it from the part surface. Light oils float to the top where they can be skimmed off. Heavier soils sink to the bottom and can be filtered or removed as sludge.

STINGRAY Parts Washers are designed to operate with wash solutions that have the same specific gravity and viscosity as water. Chemicals or additives which alter the specific gravity or viscosity of the wash solution will change the performance of the system and may cause damage to the washer pumping system.

STINGRAY Power-Kleen detergents are specifically formulated for use in re-circulating Parts Washers. As a result, you are assured that there is a product designed particularly for your cleaning application. All Power-Kleen products provide excellent effective cleaning.

Advantages – Why Power Kleen?

STINGRAY Power-Kleen products have been designed with 100% Active Chemistry. No unnecessary binders or fillers are present which inhibit cleaning and add to waste disposal. Many commercial detergents today contain unwanted components that have nothing to do with cleaning. These ingredients fill up space within the active chemical so there is the appearance of getting more product for less money. These fillers end up as waste sludge in the bottom of your washer creating extra disposal costs and multiplying the times you need to clean out the washer.



Chemical Management

Good chemical management is crucial to the successful operation of your Parts Washer. It is imperative that you check the cleaning solution daily and adjust it as necessary. This is important not only for the cleaning results, but it will also reduce cleaning time and other chemically related problems such as foaming and corrosion of the washer. [Titration kits](#) are the best means of maintaining the concentration of your chemistry. They are simple to use and low in cost.

MART Tech Services has hundreds of users just like you with successful applications using Power Kleen. We've been helping customers for over 30 years, developing cleaning systems that provide the highest cleaning standards in more than 27 industries. Chances are MART Tech Services has a solution for your company.


TECH SERVICES
(800) 543-6278
www.marttechservices.com

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Parts Washers
(314) 447-9000
www.stingraypartswasher.com