

Did You Know...

information you can use



STINGRAY
Parts Washers

It's Foaming! Now What?

What Causes Foaming And How to Stop It.

1) The wash temperature is too low. Many chemicals will foam if the wash temperature is below 160 degrees. Adjust the washer's operating temperature to determine what is optimal for the chemical you are using. For STINGRAY® [Power Klean](#) chemicals, the operating temperature must be 160 degrees or higher before starting the wash cycle. Remember that altitude, water hardness and types of soils can also affect the foaming temperature.



2) The type(s) of soils can react adversely with the chemical which can cause foaming. Select a chemical that is appropriate for the soils to be removed. Different types of chemicals foam worse than others with certain kinds of soils. Sodium hydroxide and animal fats are always a bad combination.



3) The [Chemical concentration](#) may be too low. Titrating the cleaning solution on a regular basis determines the amount of cleaning chemical per gallon of water and allows you to decide if additional cleaning chemical is required. By measuring the chemical concentration using a [titration kit](#), you can dramatically cut chemical usage and minimize foaming.

4) There is a small percentage of defoaming agents built in to the [Power Klean](#) chemical detergents. You may need to add a "booster charge" of defoamer if foaming is a problem. Consider adding a defoaming agent rather than adding more chemical providing your cleaning needs are being met.



5) Be sure the chemical is specifically formulated for the high velocity and impact of power washing. [Power Klean](#) chemicals are designed for the energy created by the STINGRAY Parts Washer to reduce the tendency to foam if used accordingly.

6) Oil skimming may be removing defoamant instead of oils and greases. Operate your oil skimmer when the cleaning solution cools down and the oils have floated to the surface. The oil skimmer can be programmed through the 7-day clock on circuit #2 to run after hours. If you are removing synthetic oils and greases, run the skimmer continuously. The build up of synthetic oils on the surface will cause foam.

7) Greases or other contaminants that contain animal fat can cause foaming with alkaline chemicals. Sodium hydroxide (lye) and animal fat is the basic formula for soap making. Try using Power Klean III or Power Klean II when animal fat may be present as a lubricant.

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

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Our offices are open M-F from
8AM to 5PM CST

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