



ULTRASONIC CLEANING USING FROGLUBE SUPER DEGREASER

VIEW DOCUMENT



AT FROGLUBE.COM

Ultrasonic cleaning machines use high frequency sound waves to clean hard-to-reach areas in an efficient and reliable manner. The sound waves oscillate at 40,000 Hz and create millions of microscopic bubbles that implode in the cleaning liquid. These transducers clean all sides of the parts as the bubbles create shockwaves that loosen grease and grime from your firearm parts.

CHOOSING YOUR ULTRASONIC FLUID:

Choosing the right ultrasonic cleaner for your machine is more important than choosing the right ultrasonic machine.

WARNING: Always follow the manufacturer's instructions to assure there are no warnings or specifics regarding cleaning your firearm in an ultrasonic.

FrogLube Super Degreaser is the perfect solution for filling your ultrasonic tank. It has been specifically formulated to allow for varying the cleaning strength by adding water in accordance with a dilution schedule.



Once you immerse your gun parts, turn on the machine. Until you know the cleaning interval, check the parts every three minutes. Most firearms clean up nicely in 15 minutes or less, though if there is an unusual amount of carbon buildup, you may need to clean the gun for a little longer.

Once the three minutes is up, take the gun out of the bath and inspect it. If there is still grime or fouling, you can either spot clean it by hand or run the ultrasonic cleaner longer. You may notice a sludge collecting at the bottom of the tank. This is normal.

Why use FrogLube Super Degreaser: FrogLube Super Degreaser is a super duty cleaner and degreaser used for removing hard core fouling deposits, excessive grease and oil residues and for removal of storage preservatives. It works against all forms of petroleum and hydrocarbons and petroleum distillates. It also cleans heavy metal, copper, lead, stainless, chrome, nickel boron and other metallic finishes.

FROGLUBE SUPER DEGREASER
All Natural • Non-Toxic • Environmentally Safe
Non-Flammable • No Petroleum • Safe for all surfaces

The professional grade FrogLube Super Degreaser, along with all FrogLube Products, have been created for discriminating firearms professionals, elite operations units, competitors, trainers, armorers, gunsmiths, manufacturers, and high end gun builders who demand the absolute highest performance from gun care products.

CHOOSING YOUR ULTRASONIC CLEANER:

A quality machine will take care of your firearms for many years. If you are on a budget, there are many inexpensive units that will still perform well.

Features to understand:

Frequency: Most 'ultrasonic gun cleaners' are 40kHz, as low frequencies yield more vigorous cleaning action than high frequencies.

Sweep Mode: Can eliminate hot spots and dead spots in the cleaning process. While useful, sweep mode is used mostly for cleaning precision parts and probably not a critical feature for a gun cleaner.

Tank Power, Capacity, and Size: Dependent on your needs. To fully immerse parts it will require a tank with at least 1 quart capacity. At this tank volume, 150 Watts is typical with 200 Watts as an available option on some units. Less than 150 Watts on this size tank will provide slow cleaning. Dimensions may be more important than tank capacity. A tank sized so that you can lay your handgun frame flat is nice to have.

Wire Basket: A parts basket is used to elevate parts off the tank bottom.

Timer: A built-in timer is a very good feature to look for. With a timer, you can focus on other tasks while cleaning.

Heated Tank: A heated tank is a great feature, and a bit of warmth can speed up the cleaning process.

Bottom Drain: A handy feature when it comes time to change the fluid and clean the tank. Smaller cleaners are normally small enough to just tip and pour.

Tank Cover: Essential to minimize evaporation of the cleaning solution. Best case is to use a metal cover.

Other factors to think of when choosing your ultrasonic: Materials of construction, Manufacturer's Warranty.

LUBRICATION: After cleaning and drying the parts you must ALWAYS IMMEDIATELY LUBRICATE all parts after ultrasonic cleaning. Unless otherwise directed, a very light coating of FrogLube Extreme or FrogLube Paste is more than sufficient.