

Aquasol™ GP

Immersion and Ultrasonic Detergent

Description:

Aquasol™ GP is a powerful concentrated aqueous (water-based) parts cleaning fluid intended for use in hand-operated parts washers, soak tanks, agitating immersion parts cleaners and ultrasonic cleaning tanks. It cuts through grease, oil and dirt and is free-rinsing with plain tap water.

Safe, pleasant to use, biodegradable and phosphate-free, Aquasol GP is the ideal choice for most industrial parts cleaning requirements.

Uses:

Aquasol GP removes dirt and oily or greasy soils from virtually all metal or plastic surfaces. Ideal for engine or machinery repair shops, maintenance departments and in-line production cleaning.

Soils:

Aquasol GP removes a wide range of organic and inorganic soils. Examples of soils that can be removed with Aquasol GP are:

Organic soils:

Oils, grease, coolants, flux

Inorganic soils:

Carbon, dirt, pigments

Substrates:

Aquasol GP is compatible with a wide variety of materials. Some typical examples of compatible materials are:

Metals:

Carbon steel, stainless steel, aluminum, nickel, titanium, copper, brass.

Plastics and elastomers:

High density polyethylene (HDPE), polypropylene (PP), polyvinyl chloride (PVC), rubber, Teflon®, epoxy resin.

Other materials:

Glass, ceramics.

Typical Fluid Characteristics

Physical form	Liquid
Color	Pale blue
Odor	Mild
Density	9.44 lbs/gal
Viscosity (water=1)	1.015
Boiling point	192° F
VOC (calculated)	0.44 lbs/gal
pH (concentrate)	13.1
pH (10% dilution)	12.3
Flash point	None to boiling
Foaming	Moderate to high
Solubility in water	Complete



- Cuts through dirt, oil and grease.
- Powerful, safe, pleasant to use.
- No unpleasant fumes.
- Biodegradable.
- Safe on most metals and plastics.
- Contains no ozone depleting chemicals.
- Low VOCs
- Contains no hazardous air pollutants.

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Application Data

How to Use Aquasol GP

For in-process cleaning of small parts at the workcell, use Aquasol GP in drum mounted or free-standing heated parts washers. Parts are cleaned by hand using a parts cleaning brush under flowing detergent solution.



Heated Drum Mount Parts Washer



Heated, Pump Agitated Immersion Wash Tank

Larger parts may require pre-soaking in heated fluid to loosen or remove heavy soils from part surfaces. Cleaning time will be reduced if pump agitation of the heated fluid is used while the work is submerged in the cleaning tank.

For parts with stubborn, baked-on soils or parts with minute, inaccessible crevices or blind holes, an ultrasonic cleaning tank or system will often provide the best results. Soiled parts are immersed in the heated ultrasonic cleaning tank where the scrubbing action of the ultrasonics loosens and removes the soils from the parts. The ultrasonic tank may be followed by a rinse tank for complete cleaning.



Benchtop Ultrasonic tank



Ultrasonic Cleaning Console

Directions for Use CONCENTRATED FLUID – DILUTE WITH WATER

Light soils	1:10	10%
Average soils	1:7	15%
Heavy, greasy soils	1:5	20%

Heat diluted working fluid to a temperature between 120°F to 180°F. Use higher temperatures for greasy soils. Pre-test on plastic or rubber parts.

Soak parts in the heated fluid until soils are dissolved or loosened. Brush away stubborn deposits under flowing fluid. Mechanical or pump agitation while the work is immersed will speed the cleaning process. Ultrasonic agitation of the cleaning tank will produce the best results with stubborn soils or parts with intricate crevices or blind holes. Allow parts to drain back into the parts washer tank. Air dry or wipe off excess fluid if necessary. Parts may be rinsed in warm or hot water if desired. Fluid will provide short-term flash rust protection if allowed to air dry. Rinsing will remove rust protection. Refer to the MSDS for safety and disposal information.

Available packaging:

Part no:	Description:
AGP-1	1-gal bottle (3.78L)
AGP-4X1	4 X 1-gal carton (15.12L)
AGP-2.5	2.5-gal bottle (9.45L)
AGP-2X2.5	2 X 2.5-gal carton (18.9L)
AGP-5	5-gal pail (18.9L)
AGP-55	55-gallon drum (208.2L)

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