

Cleaning and disinfecting generators for **POLYTRON**® Handheld Homogenizers

Please refer to the POLYTRON Homogenizer Instruction Manual for generator disassembly instructions.

Cleaning and Disinfecting

1. Generator parts may be cleaned chemically, by manual scrubbing, or in an ultrasonic bath.
2. Generator parts should be completely dried or rinsed with absolute ethanol.

Sterilization

Generator parts may be sterilized under standard conditions in an autoclave, i.e. 121° C, 15 psi, 15 minutes.



Cleaning Procedures

Kinematica **POLYTRON**® Homogenizers

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Cleaning of **POLYTRON** Generators

- ◆ All POLYTRON Generators must be completely cleaned after each use.
- ◆ Never allow chemicals to dry on a generator.
- ◆ Always neutralize strong acids and bases.
- ◆ Always store generator dry (i.e. rinse with ethanol)
- ◆ Always clean generators **IMMEDIATELY** after using any of the following chemicals or chemical types:

Acetic acid, bisulfites, chloroacetic acid, chromic acid concentrated solutions of halide salts (i.e. NaCl, KBr, etc) formic acid, sulfuric acid, water-soluble sulfide.



Cleaning and Disinfecting Generators for **POLYTRON** Benchtop Homogenizer Models

Cleaning

1. Run the generator in a suitable solvent, water or detergent solution for approximately 1 minute at ½ power; repeat at least 2 times

-or-

Immerse the lower portion of the generator in an ultrasonic bath, following the directions of the bath manufacturer.

NOTE:

DO NOT immerse the coupling/ball bearing assembly into any liquid

2. Run the generator in clean water for approximately 30 seconds at maximum speed; repeat 3 times

Disinfecting

POLYTRON Generators may be disinfected with commercially available disinfectants. It is recommended that the generator be cleaned after disinfecting to prevent the disinfectant from drying on the generator.

NOTE:

DO NOT immerse the coupling/ball bearing assembly in any liquid

Sterilizing Generators for **POLYTRON** Benchtop Homogenizers

Autoclaving

POLYTRON Generators may be autoclaved under standard conditions, i.e. 121°, 15 psi, for 15 minutes.

Note: Due to the lubricant in the ball bearings, it is recommended that generators be placed in an upright position for autoclaving.