



# The Betman Cleaning System (E782)



## APPLICATIONS

- Springs
- Precision machining
- Medical devices
- Drawn wire dies
- Clean room applications
- Gears and filters
- Screw machine parts
- Housings and fittings
- Optics
- Cutting tools

## REMOVES (Cleans)

- Grinding residues
- Lapping compounds
- Oils and lubricants
- Cutting compounds
- Buffing-polishing compounds
- Shop dirt
- Abrasives and waxes
- Loose burrs
- Particulars

## RESULTS

- Bright parts (original surface restored)
- Easy inspection of internal bores
- Easy overall inspection
- **PERFECT CLEANING JOB**
- No shadows in internal bores
- No debris in blind hole cavities
- Meets strict cleanup requirements: no particles, no oil, bright, dry parts



## Betman E782 Additions & Modifications

The Betman Cleaning Systems E782 comes with the tanks configured.

### ULTRASONIC CLEANING (X2) • ULTRASONIC RINSING • HOT AIR DRYING

This cleaning equipment can be tailored to fit your specific cleaning application. Below are some of the most common modifications.

#### Control Upgrades:

- A. Conversion of standard 15 minute mechanical timer to Omron H3CA electronic timer with push-button activation.
- B. Conversion of Dryer from standard internal variable thermo-switch control to Omron E5GN digital panel mount temperature controller.

#### Ultrasonic Frequency Options:

- A. Conversion of ultrasonic frequency to 80 khz

#### Heat Options:

- A. 200 watts with 120-130F internal thermo-disc and front panel on/off toggle switch.
- B. 400 watts with 85-180F internal adjustable thermo-switch and front panel mount on/off toggle switch. Tank is insulated and 190F high limit shutoff.
- C. 400 watts with Omron E5GN digital panel mount temperature controller with on/off toggle. Tank is insulated and 190F high limit shutoff.

#### Rinse & Pump/Filter Tank Options:

- A. Conversion of standard clean tank to rinse tank

\*Rinse tanks consists of timer activated solenoid input valve and standpipe overflow plumbed to back of unit

\*Two rinse tanks can be plumbed together to form a counter flow by pumping output of 2nd tank to input of 1st tank.

- B. Conversion of standard clean tank to pump/filter tank

\*Pump/filter tanks give input and output access to tank from back of unit. A 120V AC receptacle is located at the back of the unit for pump connection with on/off toggle switch control on front panel. (Pump/Filter System not included)

#### Unit Specifications:

Dimensions:

46"L x 18"W x 12"H

16"L x 7"W x 18"H

Tanks:

3.5 gallons, 12"L x 10"W x 8"H

Ultrasonic Power:

300 watts per tank

Warranty:

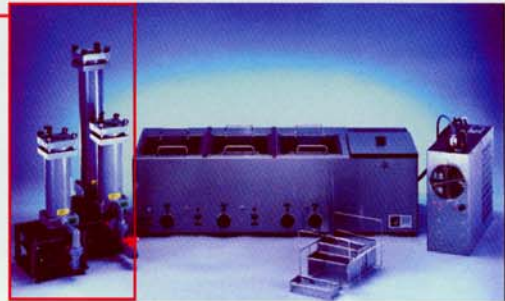
One / Two / Life

Power Requirements:

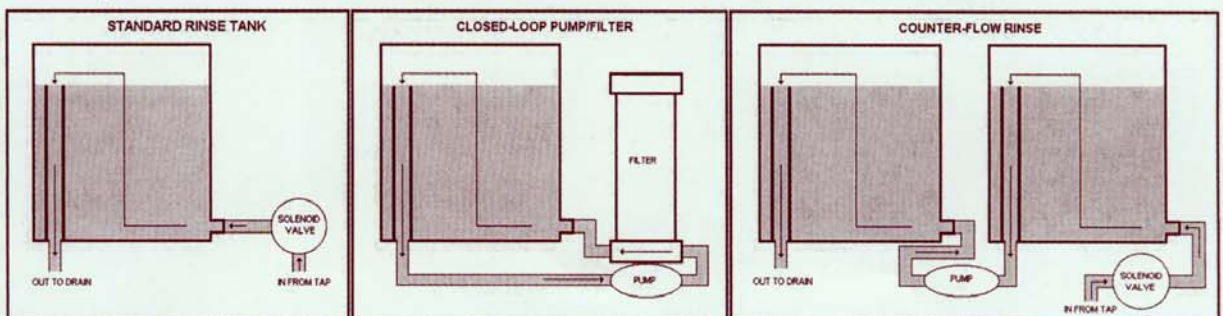
120V 60Hz 2.65KVA

#### Available pump/filter systems

- \* Little Giant 3MDHC pump, Serfilco 10" CPVC filter chambers with 5 micron polypro filters, and 20" CPVC chambers with activated carbon filters, CPVC Ball valves and piping
- \* P/F System with 10" Filter
- \* P/F System with 10" & 20" Chamber
- \* Replacement 5 micron 10" polypro filters
- \* Replacement 20" carbon filters



#### Rinse Cycle



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