



## TOTAL WASH SYSTEM (Cleaning Gas Masks)

File No. 145

Section 6

### PROBLEM:

To remove oil from large production quantities of molded plastic products.

### SOLUTION:

Installation of high pressure Total Wash System using a CAT PUMP.

### OPERATION:

A 3-horsepower electric motor with a v-belt powers a CAT PUMP to deliver 3 GPM at 1000 PSI to the wash system. An electronically controlled panel is set up so the operator can select from three different inlet fluids and six different chemicals injected downstream. The plastic parts advance down a conveyor to a small vertical section with six stationary nozzles. This series of specially placed nozzles directs the fluids for cleaning—three clean the inside while three clean the outside of the plastic masks. The system also dries the products upon completion of the wash cycle.

### SPECIFICATIONS:

CAT PUMPS Model .....	333
Pressure .....	1000 PSI
Flow .....	3 GPM
Temperature .....	Ambient
Fluid .....	Distilled Water, Tap Water, Alcohol
Duty Cycle .....	Continuous
Drive .....	3 H.P. Electric

### BENEFITS:

- A significant time savings over the original hand cleaning method.
- Provides better removal of oil film from production items than the original hand method.
- Less costly than the original hand method.

Products described hereon are covered by one or more of the following U.S. patents 3558244, 3652188, 3809508, 3920356, 3930756 and 5035580

Aug 1999 8940

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*The Pump with "Nine Lives"*

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