

OPERATING INSTRUCTIONS

TYPICAL STARTUP AND OPERATING PROCEDURE - The following startup procedures must be followed prior to operating the System:

1. Close drain valve on the Pulper.
2. Check to ensure that the main power switch of the SOM-A-TROL[®] panels is in the "ON" position.
3. Unlock the Pulper "**STOP**" button. Turn "**EMPTY-RUN**" Selector Switch to the "**RUN**" position if so equipped. ****Newer systems will be equipped with a momentary pushbutton for the 'EMPTY/CLEAN' cycle. Press button once to engage clean cycle, press button second time to disengage clean cycle. You WILL NOT need to press the pushbutton to fill machine, if all lids are closed, and stop button is disengaged machine will fill with water**** The Pulper will begin to fill with water. When the water has reached the prescribed level, press the Pulper "**START**" button and wait until there is a continuous flow of return water. Then begin feeding waste to the Pulper either manually or by starting waste down the flushed trough, if so equipped.

Waste Feeding Instructions - Best results are obtained if the Pulper is fed waste at a **UNIFORM RATE**. *Under normal conditions, waste may be fed to the Pulper as long as a strong vortex is maintained in the tank. If waste is fed too fast the vortex will diminish to a point where it will no longer pull the material into the impeller for efficient grinding.*

*Don't "slug" the Pulper for short periods of time with excessive feeding. Overloading interferes with the grinding process and takes longer to dispose of a given quantity of waste than if the machine is fed at a **UNIFORM RATE**.*

When shutting down the Pulper for short periods, it is not necessary to run the Pulper until all the waste has been pumped out of the tank. Run the Pulper for a few minutes to thin down the slurry and then shut off the machine.

SHUTDOWN PROCEDURES - The following shutdown procedures must be followed prior to performing necessary cleaning and maintenance duties.

1. Allow the Pulper to operate approximately fifteen minutes after the last waste has been fed.
2. With the Pulper still running, turn the Selector Switch to the "**EMPTY**" position, if so equipped, permitting the system to be pumped down automatically. Newer models have a momentary pushbutton for the spray rinse system. Depress button once to engage spray rinse system, system will then time out on its own. The Pulper will stop when the shutdown timer has timed out. ****Newer systems will be equipped with a momentary pushbutton for the 'EMPTY/CLEAN' cycle. Press button once to engage clean cycle, press button second time to disengage clean cycle. You WILL NOT need to press the pushbutton to fill machine, if all lids are closed, and stop button is disengaged machine will fill with water****
3. Press the "**STOP**" button and engage the locking attachment. Turn **off** the electrical power at both the Pulper and Hydra-Extractor[®].
4. Open the drain valve on the Pulper.
5. Refer to the applicable Pulper and Hydra-Extractor[®] maintenance sections of this manual for daily, weekly and long term shutdown cleaning procedures and maintenance instructions.

Light Codes:

Newer SOMAT systems employ a micro-computer to control many of the unit functions. If a fault or overload is detected, the system will flash a series of codes by lights located either on the pushbutton station OR on the panel enclosure itself. Below is a list of the most commonly used for Close Coupled machines.



Solid **Green**: All safeties are latched and secure, system is ready to run

Flashing **Green**: System is in timed stop mode, extractor will spray, after less than 10 minutes system will shut down.

Two **Green** flash, pause, and repeat: All safeties are latched and secure, tank is filling.

Solid **Red**: One of systems 3 motors is overloaded and must be reset.

Flashing **Red**: Lid switch on pulper or extractor lid is open, shut lid to resume normal operation.

** For all other **RED** lights, please refer to your Electrical Print **