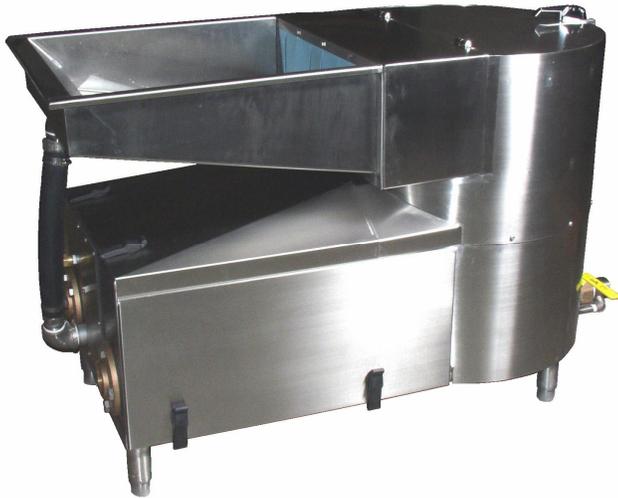


# somat®

## Super 60 Remote Waste Pulping System



### Description

Standard SOMAT® Model SP-60S pulper constructed of stainless steel with a hinged stainless steel lid, water flushed tray, horizontal drive, and internal valve package. The Som-A-Trol® control panel is pre-wired and contains the water level control. A push button station is also included.

### Benefits:

- As much as 8 to 1 (87.5%) volume reduction
- Reduced labor costs
- Better sanitation
- Water conservation
- Improved operator morale
- Reduced silverware loss
- Processes tough plastics, plus a wide variety of waste

**Operation:** Foodservice waste enters the pulping tank via the tray where it is mixed with water, forming a slurry of 5% solids and 95% water. The slurry is pumped to a remote Hydra-Extractor®, where the water is removed, resulting in a greatly reduced volume. The resulting semi-dry pulp is discharged into a haul-away container. The extracted water is recovered and returned to the pulper for re-use.

Somat® equipment provides an economic and efficient answer to cutting the high and ever increasing costs associated with waste handling.

*Manufactured with pride by Somat® Company of Lancaster, Pennsylvania, USA, originators of waste pulping systems and specialists in waste reduction technology.*

### Approval:

Patent No. US 6,776,365

08/17/04

UL Listed Product

File: E-194205

### Item No.

SOMAT® Model: **SP-60S**

### Technical Specifications

**Pulper:** 25 1/2" diameter, 35.5" high, polished stainless steel tank with water flushed tray, hinged lid and associated proximity switch. Horizontally mounted pulping and pumping system, integrated with one 6 HP TEFC motor. This unit is supported by four neoprene vibration mounts that isolate it from the stainless steel frame. A urethane vibration-absorbing gasket is located between the pulping tank and pulper shell. Rubber hoses further isolate vibrations from the end plate where external connections are made. Stainless steel shrouds totally enclose the drive system and water manifolds. Adjustable legs provide 6" floor-to-frame clearance. All customer connections are external. 5 HP slurry booster pump (not shown).

Components include: 304 stainless steel pulper tank, investment cast 17-4 stainless steel security ring and rotating blade, three replaceable stationary blades on the security ring, stainless steel impeller with replaceable stainless steel pumping vanes. The one-piece rotating blade is hardened to 46 Rockwell C and can be easily re-sharpened.

**Valve Package:** Pre-piped bronze valves mounted on manifolds completely enclosed in stainless steel shrouds.

**Som-A-Trol® (Electrical Control Panel):** Wall mounted, UL approved, NEMA 4 stainless steel enclosure. Included are all necessary power, control and water level components, pre-wired to a terminal strip. A push button station is included with the panel or mounted on the unit.

### Options Available:

- Trough connection
- Slurry siphon break
- Prison package
- Special electrical characteristics
- Second year warranty

**Electrical Characteristics:** 208/230/460 volt, 3 phase, 60 Hz.

**Capacity:** 1000 pounds per hour of foodservice waste mix, consisting of: food scraps, plastic flatware, paper, milk cartons, Styrofoam, aluminum foil, cardboard, polyethylene bags and all types of plastic containers and packaging.

**Finish:** All exterior surfaces are polished stainless steel.

Equipment only is supplied by SOMAT® Company; installation, piping, and wiring are not included.

### Somat Company

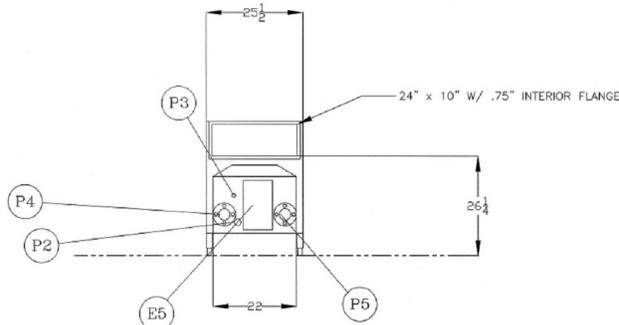
Division of ITW Food Equipment Group LLC  
165 Independence Court  
Lancaster, PA 17601 USA  
Phone: 717-397-5100 800-237-6628  
Fax: 717-291-0877  
[www.somatcompany.com](http://www.somatcompany.com)

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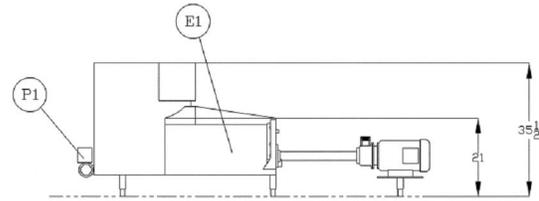
## Remote Pulping System

### SP-60S

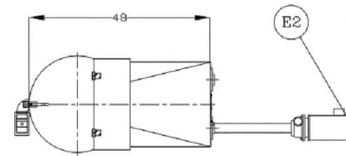
### HT Specs / Tray Options



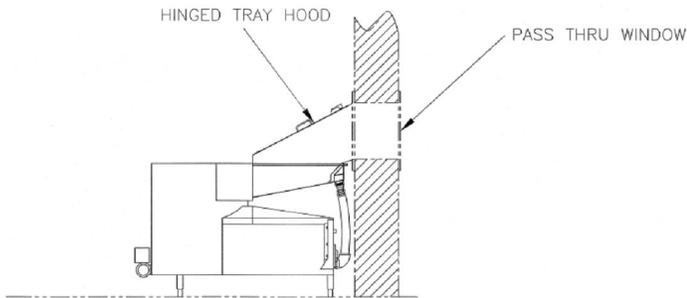
SP-60S-HT W/ TRAY ADAPTER  
FRONT VIEW



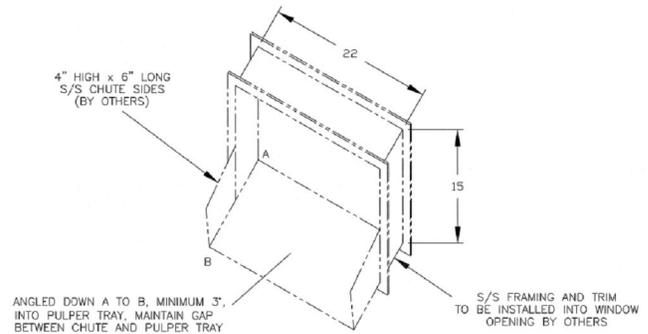
SP-60S-HT W/ TRAY ADAPTER  
ELEVATION VIEW



SP-60S-HT W/ TRAY ADAPTER  
PLAN VIEW



OPTIONAL TRAY HOOD  
AND PASS THRU WINDOW



TYPICAL PASS THRU WINDOW DETAIL

# Somat® Model SP-60S-FS

### Utility Connections

<b>E1-</b> Pulper Drive Motor	<b>P1-</b> Drain Valve Outlet (MOV) (2")
<b>E2-</b> Slurry Pump Motor	<b>P2-</b> Return Water Outlet (1 1/2")
<b>E3-</b> N/A	<b>P3-</b> Fresh Water Inlet (1/2")
<b>E4-</b> N/A	<b>P4-</b> Slurry Outlet (2")
<b>E5-</b> Junction Enclosure	<b>P5-</b> Return Water Inlet (2")

### Dimensions

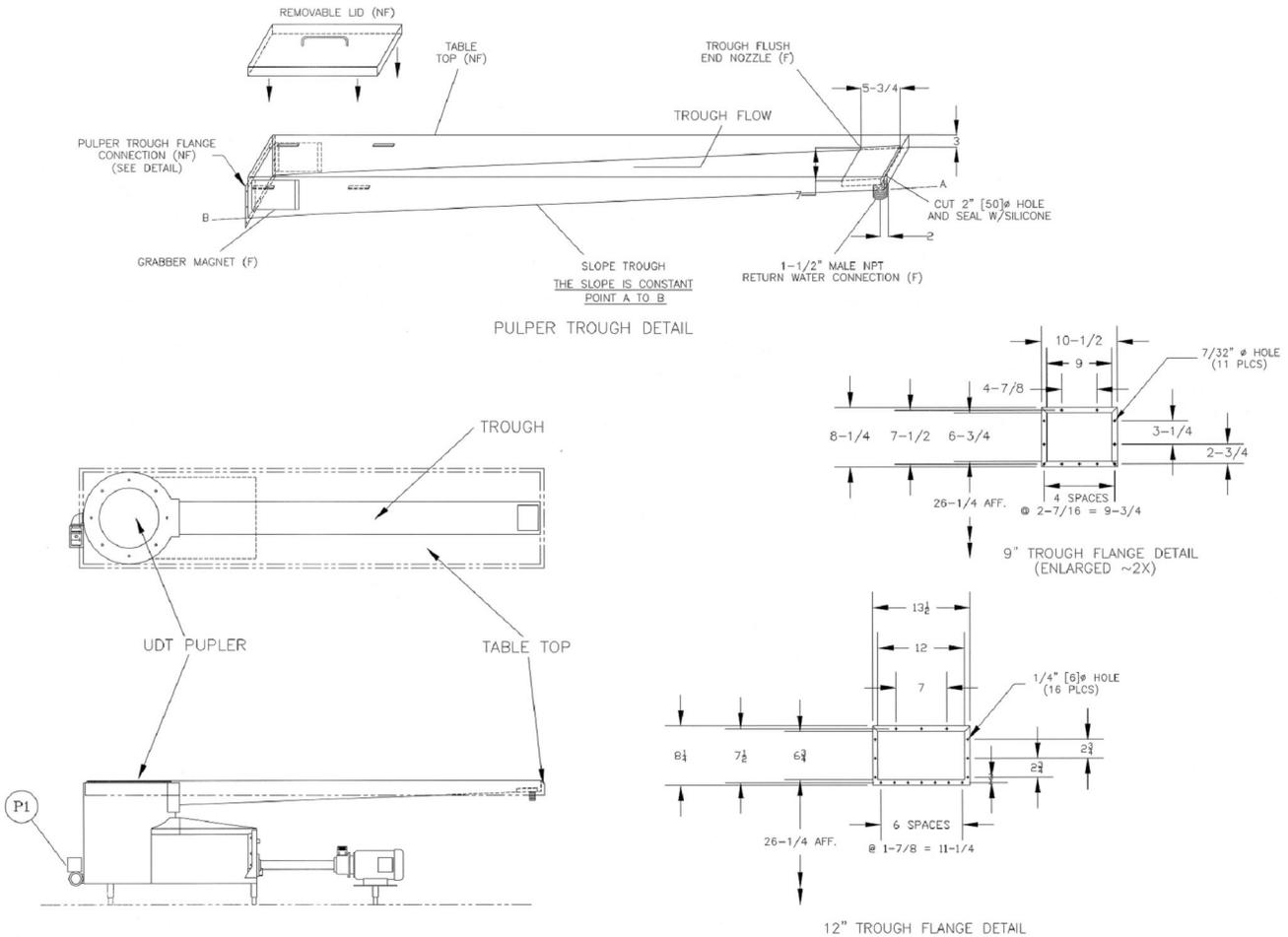
<b>Height:</b> 35.5" (902mm)	<b>Equipment weight:</b> 410# (186kg)
<b>Length:</b> 53.5" (1359mm)	<b>Operating weight:</b> 530# (241kg)
<b>Width:</b> 25.5" (648mm)	<b>Crated weight:</b> 756# (343kg)
	<b>Crated volume:</b> 80 Cu. Ft. (2.8 Cu Meters)

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Remote Pulping System

## SP-60S

UDT Specs / Trough Options

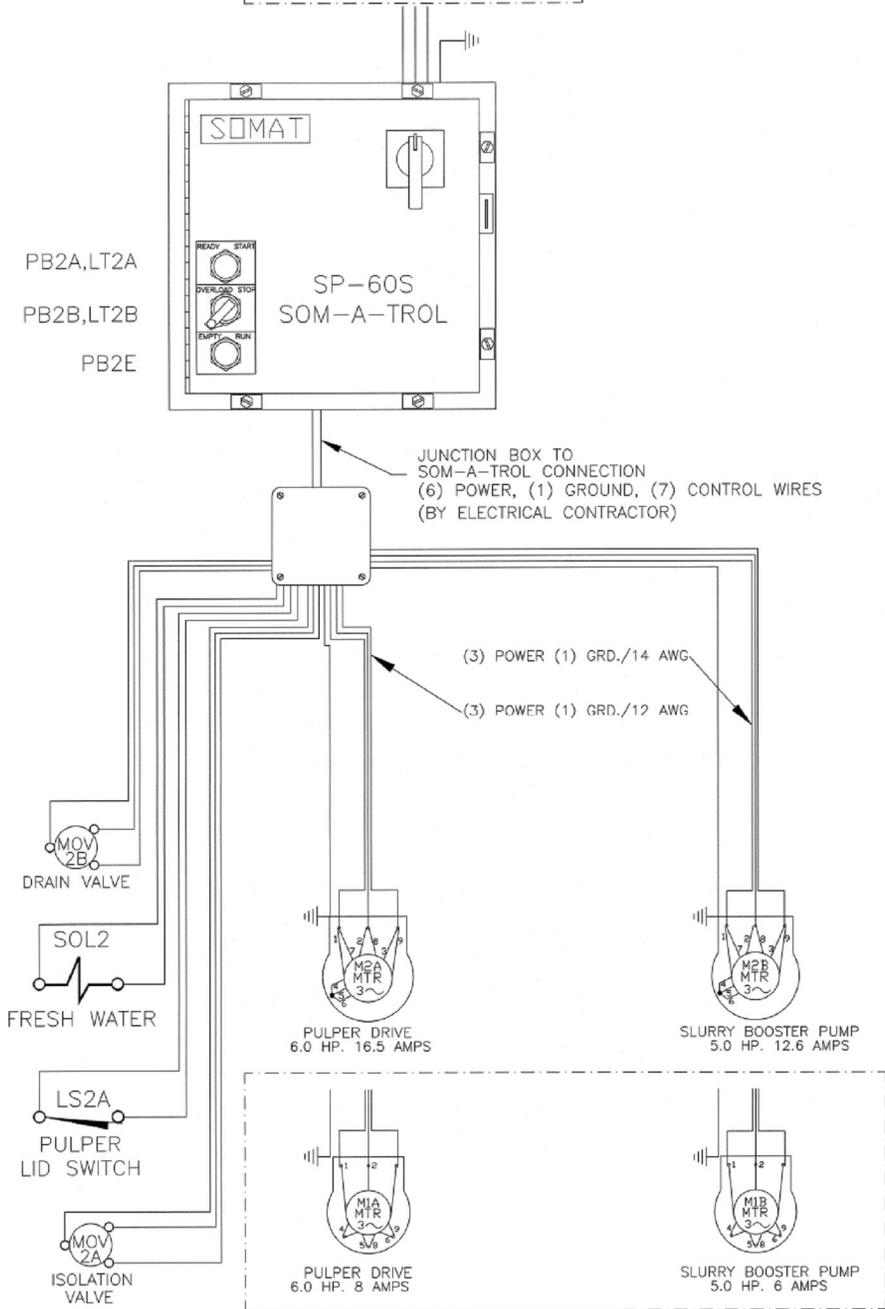


# Somat® Model SP-60S-UDT

### Dimensions

<b>Height:</b> 33.75" (858mm)	<b>Equipment weight:</b> 410# (186 kg)
<b>Length:</b> 49" (1359mm)	<b>Operating weight:</b> 530# (241 kg)
<b>Width:</b> 25.5" (648mm)	<b>Crated weight:</b> 756# (343 kg)
	<b>Crated volume:</b> 80 Cu. Ft. (2.8 Cu Meters)

WIRING DIAGRAM  
CUSTOMER POWER SUPPLY  
(BY ELECTRICAL CONTRACTOR)  
208V-3Ø-60Hz-35 AMPS  
460V-3Ø-60Hz-20 AMPS



WIRE SIZING GUIDE		
DEVICE	WIRE SIZE	TYPE
SOM-A-TROL CONTROL LOGIC (LIMIT SWITCH) (SOL VALVE, ETC.)	18 AWG	THW-75°C
5HP SLURRY PUMP MOTOR @ 208/230V	14 AWG	THW-75°C
6HP PULPER DRIVE MOTOR @ 208/230V	12 AWG	THW-75°C

USE NEXT SIZE AWG FOR RUNS OVER 150 FEET (46 METERS)

WIRE SIZING GUIDE		
DEVICE	WIRE SIZE	TYPE
SOM-A-TROL CONTROL LOGIC (LIMIT SWITCH) (SOL VALVE, ETC.)	18 AWG	THW-75°C
5HP SLURRY PUMP MOTOR @ 460/480V	14 AWG	THW-75°C
6HP PULPER DRIVE MOTOR @ 460/480V	14 AWG	THW-75°C

USE NEXT SIZE AWG FOR RUNS OVER 150 FEET (46 METERS)

### Other Utility Requirements

**Fresh Water-** 12gpm @ 30 psig, 1/2" NTP (Approximate usage, 60-120gph)

**Drain-** 3" minimum floor sink with stainless steel removable basket recommended