The **Somat SPC-75S** Waste Reduction System processes up to 1,250 lbs. of food service waste per hour providing an economic and efficient answer to cutting the high and ever increasing costs associated with waste handling. Somat Pulping Systems are engineered to reduce foodservice waste volume by an 8 to 1 reduction (up to 85%). Compostable waste enters the pulping tank via the feed tray or scrapping trough where it mixes with water and is ground into a slurry. The slurry is fed to the Hydra-Extractor® for de-watering and the result is a semi-dry pulp discharged into a haul-away container or a Somat Dehydrator for additional reduction. The extracted water is recovered and returned to the pulping tank for re-use by the tray or trough.

**VOLTAGE OPTIONS**
- 208/60/3
- 230/60/3
- 460/60/3
- International options available, consult factory

**STANDARD FEATURES**
- Hinged lid pulper with limit switch
- Hydra-Extractor
- 3 HP recirculating pump
- Valve package
- Chemical additive pump
- Som-A-Trol control panel

**TECHNICAL SPECIFICATIONS**

**Pulper:**
- 30" diameter, 39.5" high max (legs fully extended)
- Polished stainless steel tank
- Hinged lid with limit switch
- ¾" stainless slurry chamber
- 7½ HP TEFC direct drive motor
- Internal collection box
- “Hypoint” style cutting mechanism, featuring:
  - Stainless steel impeller
  - Two hardened corrosion resistant alloy rotating blades
  - Four carbide stationary blades

**Hydra-Extractor**
- Welded stainless steel construction
- Stainless steel adjustable legs
- 2 HP TEFC drive motor
- 20:1 gear reducer
- 3HP TEFC recirculating pump
- Chemical pump
- 6" stainless steel auger with nylon brush edge
- Reinforced stainless steel screens
- Automatic shutdown timer
- Automatic rinse system
- Discharge chute with safety switch

**Valve Package:**
- All valves required for operation including fresh water, return and drain lines.

**Som-A-Trol Electrical Control Panel:**
- UL approved stainless steel NEMA 4 panel with all components pre-wired to internal terminal strip. Push Button control station on panel door (remote control station optional). Panel to be wall mounted with field connection to pulper mounted junction box.

**OPTIONS**
- Water flushed feed tray
- Trough feed connection
- Feed tray cover
- Prison package
- Under dish table unit
- Vibration pads
- Remote push button station
- Grabber magnets

**The Power to Transform WASTEFUL to SUSTAINABLE**
SPC-75S
HIGH TANK WITH TRAY FEED

E1 - Pulper Drive Motor
E2 - Extractor Drive Motor
E3 - Return Pump Motor
E4 - Fresh Water Solenoid
E5 - Pulper Limit Switch
E6 - Chute Limit Switch
E7 - Chemical Additive Pump
E8 - Junction Enclosure
E9 - Autorinse Solenoid

P1 - Drain Valve Outlet (MOV)
P2 - Auto-rinse Inlet
P3 - Return Water Outlet
P4 - Fresh Water Inlet
P5 - Overflow Outlet
P6 - Tray Flush (see next page)

SPECIFICATIONS

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<th>Total Height</th>
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<th>Width</th>
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<th>Operating Weight</th>
<th>Crated Weight</th>
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<td>65&quot; (1,651 mm)</td>
<td>43&quot; (1,093 mm)</td>
<td>95.875&quot; (2,435 mm)</td>
<td>30&quot; (762 mm)</td>
<td>900 lbs. (408 kg)</td>
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SO60432 (06/17)
SPC-75S
HIGH TANK WITH TROUGH FEED

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SPC-75S
WASTE REDUCTION SYSTEM

9" TROUGH FLANGE DETAIL

ALL ITEMS IN THIS DETAIL NOT FURNISHED UNLESS NOTED.

NOZZLE (F)
1-1/2"

FROM "P3"

1/4" Ø HOLE (13 PCS)

TROUGH FLOW

SLOPE TROUGH
THE SLOPE IS CONSTANT POINT A TO B

CUT 2" DIA. HOLE AND SEAL W/SILICONE
1-1/2" MALE NPT RETURN WATER CONNECTION (F) "P6"

PULPER TROUGH DETAIL

TROUGH DETAIL

ALL ITEMS IN THIS DETAIL NOT FURNISHED UNLESS NOTED.
TROUGH CAN BE ROTATED ON THE CENTER POINT OF THE TANK BY 15 DEGREE INCREMENTS. ACTUAL ENTRY POINTS TO THE TANK WILL DEPEND ON TROUGH ORIENTATION, LEFT, RIGHT OR CENTER POSITION, TROUGH CAN NOT COME IN CONTACT WITH EXTRACTOR AREA (SHADE PORTION).
SPC-75S
WASTE REDUCTION SYSTEM

CUSTOMER POWER SUPPLY
(BY ELECTRICAL CONTRACTOR)
208V-30-60Hz-45AMPS
460V-30-60Hz-25AMPS

LOCATION SERIAL

EMERGENCY STOP
CHUTE OVERFLOW
START BUTTON/LIGHT
STOP BUTTON/LIGHT
TIMED STOP BUTTON

SPC75AS
SOM-A-TROL

(16) CONDUCTORS FOR REMOTE PUSH BUTTON AND MACHINE CONTROLS, 18AWG OR BETTER
(BY ELECTRICAL CONTRACTOR)

CONDUIT OR CABLING REQUIRED TO HOUSE/PROTECT PUSH BUTTON WIRING
ACCORDING TO JOBSITE REQUIREMENTS
(BY ELECTRICAL CONTRACTOR)

JUNCTION BOX
LOCATED ON PULPER

CONDUCTORS FOR MACHINE MOTORS, INCLUDES GROUND
(8) WIRES INCL. GRD., 14AWG
(BY ELECTRICAL CONTRACTOR)

CONDUIT OR CABLING REQUIRED TO HOUSE/PROTECT CONTROL/MOTOR WIRING
ACCORDING TO JOBSITE REQUIREMENTS
(BY ELECTRICAL CONTRACTOR)

OTHER UTILITY REQUIREMENTS

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<th>Fresh Water</th>
<th>18 gpm @ 30 psig, ½” NPT (approximate usage 60 – 120 gph)</th>
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<td>Drain</td>
<td>3” minimum floor sink, 4” recommended (with stainless steel removable basket recommended)</td>
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