The Somat D-5 Food Waste Grinder is one part of a Remote Pulping System. Somat food grinders are engineered to process food waste and are typically placed in pot and pan washing and food prep areas. Standard features include a 5 HP drive motor and return pump. The main benefits of a Somat Remote Pulping System are Reduction and Transportation. A remote system connects food prep and scrapping areas together through a series of piping and transports food service waste to a remote extractor. The extractor removes the solids (pulp) and recirculates the water back to the grinding tanks. The pulping process provides an 8 to 1 volume reduction (up to 85%). The pulp is fed into a Somat Dehydrator for additional reduction or directly into a dumpster. A remote pulping system reduces the need for trash cans, liners and laborers to “take out the trash”.

**CAPACITY**
400 pounds per hour of food waste only.

**TECHNICAL SPECIFICATIONS**

**Food Grinder:**
- 5 HP continuous duty motor with shaft extension, ¼" wrench flats to externally de-jam
- Adjustable 10½" diameter rotor/turntable beveled at a 45° angle with 6 integral impact breakers constructed of hardened ductile steel alloy for long life use. Matching 45° sizing ring with 24 grinding teeth.
- 8¼" throat opening with dual directional operation, doubling the life cycle of the cutting mechanism.
- Grinder connects to Cone or Sink Assembly by means of a neoprene isolation sleeve and (2) stainless steel clamps.
- Stainless steel legs and feet, adjustable from 0" to 2".
- Foreign matter without special tools.
- Thermal overload protection with manual reset button

**Valve Package:**
Pre-piped valve package assemblies to include all valves required for proper operation.

**Som-A-Trol® (Electrical Control Panel):**
UL approved, Includes all necessary power, control and water level components prewired to a terminal strip. Push button station in a NEMA 4 stainless steel enclosure

**OPTIONS**
- Sink adapter w/ silver saver
- 3 or 5 HP return pump

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

**FINISH**
Basic body components are cast gray iron, machined, primed and powder coated.
D-5
FOOD WASTE GRINDER

PLAN VIEW D-5 WASTE GRINDER (DISPOSER BOWL)

ELEVATION VIEW D-5 WASTE GRINDER (DISPOSER BOWL)

NOTE: CUT 19"Ø HOLE IN TABLE TOP FOR BOWL, BOWL PROVIDED BY SOMAT, INSTALLED BY OTHERS.

UTILITY CONNECTIONS

- E21: Disposer Drive Motor
- E22: Slurry Pump Motor
- E23: Return line MOV
- E24: Fresh Water Solenoid Valve
- E25: Junction Enclosure
- E26: Control Box (not shown)
- P22: Drain MOV
- P23: Return Water Inlet
- P24: Fresh Water Inlet
- P25: Slurry Outlet

DIMENSIONS

- Height: 34" (865mm)
- Length: 46" (1150mm)
- Width: 22" (560mm)
- Equipment Weight: 375 lbs. (170kg)
- Crated Weight: 525 lbs. (238kg)
- Crated Volume: 85 cu. ft.
1. Table cut 9 1/4" hole in bottom of sink.
2. Tack weld adapter to underside of sink.
3. Bead weld all around where adapter joins sink.
4. Mount grinder to sink adapter with provided hardware.

WASTE GRINDER SINK ADAPTER
MOUNTING DETAIL

NOTE: ADAPTER RING BY SOMAT, INSTALLED BY OTHERS.
D-5
FOOD WASTE GRINDER

In line with its policy to continually improve its products, Somat reserves the right to change materials and specifications without notice.

SOMAT COMPANY, a division of Illinois Tool Works, Inc.
165 Independence Court, Lancaster, PA 17601
Phone: 717-397-5100 Fax: 717-291-0877 E-mail: info@somatcompany.com Website: somatcompany.com

CUSTOMER POWER SUPPLY
(BY ELECTRICAL CONTRACTOR)
208V-3Ø-60Hz-35AMPS
460V-3Ø-60Hz-15AMPS

LOCATION SERIAL

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

D-5 SOM-A-TROL

CONDUCTORS FOR MACHINE MOTORS, INCLUDES GROUND WIRES, (6)
NUMBER OF CONTROL WIRES (TBD)
WIRE GAUGE SIZE (TBD)
(BY ELECTRICAL CONTRACTOR)

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

OPTIONAL REMOTED PUSH BUTTON STATION

START BUTTON/LIGHT
STOP BUTTON/LIGHT
TIMED STOP BUTTON

JUNCTION BOX
LOCATED ON PUMP SET

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

OTHER UTILITY REQUIREMENTS

<table>
<thead>
<tr>
<th>Utility</th>
<th>Requirement</th>
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<tbody>
<tr>
<td>Fresh Water</td>
<td>4 gpm @ 30 psig, 1/2&quot; NPT (approximate usage 240 gph)</td>
</tr>
<tr>
<td>Drain</td>
<td>3&quot; minimum floor sink with stainless steel removable basket recommended</td>
</tr>
<tr>
<td>Power</td>
<td>208V–35Amps; 230V–30Amps; 460V–15 Amps, 3 phase, 60 Hz (w/5HP pump)</td>
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