



S E R V I C E

WPR1260 & WPS1260 Series Pulper Customer Maintenance Manual



29353

SPECIFICATION SHEETS

TOOLS

INSTRUCTIONS MANUAL

WIRING DIAGRAMS

TROUBLESHOOTING

HOBART SERVICE PARTS STORE

PARTS CATALOG

HOBART701 S Ridge Avenue, Troy, OH 45374
1-888-4HOBART • www.hobartcorp.com**WPR-1260 WASTE PRO
WASTE EQUIPMENT SYSTEM****HOBART****WPR-1260 WASTE PRO WASTE EQUIPMENT SYSTEM****STANDARD FEATURES****PULPER:**■ **Pulper Tank:**

30" diameter polished 300 series stainless steel tank weldment

■ **Pulping Disc:**13 $\frac{7}{8}$ " diameter stainless steel pulping disc■ **Rotating Shearing Cutters:**

Investment cast 17-4 stainless steel

■ **Particle Sizing Ring:**

Fabricated stainless steel ring, matched to the pulping disc

■ **Stationary Shearing Cutters:**

Four carbide cutters mounted on sizing ring to provide shearing action

■ **Legs:**Tubular stainless steel
Adjustable $\frac{3}{4}$ " in either direction■ **Water Consumption:**

0-4 GPM with 25 psi line pressure

■ **Empty Cycle**■ **Waterpress:**

See separate specification sheets

ELECTRICAL:■ **Pulper Motor:**

6.0 horsepower, TEFC (Totally Enclosed Fan Cooled)

Direct drive with 1 $\frac{5}{8}$ " diameter shaft■ **Controls:**Prewired wall mount electrical control panel
NEMA 4 stainless steel enclosure
Magnetic-type motor contactors
Overload protection
Nominal 115 volt and 24 volt control circuit wiring
Junction box with terminal strips mounted on tank for easy access

■ Remote "Start-Stop" push-button station

MODEL

-
- WPR-1260 Waste Equipment System

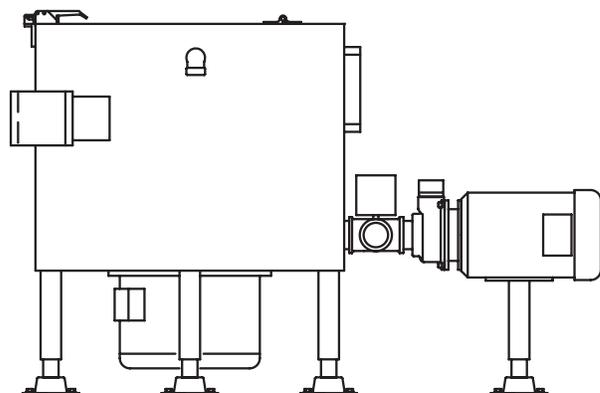
OPTIONS **FREE-STANDING MODELS:** **Feed Tray Assembly:**Stainless steel construction
Ergonomically designed
Removable splash curtain
24" x 25" feed tray with standard flushing action **Hinged Cover:**

Interlocked to prevent operation when opened

 UNDERCOUNTER MODELS: **Removable Cover Plate:**Integrated interlock switch
Rubber boot included with cover plate **ALL MODELS:**

-
- Trough connection, 9" wide or 12" wide
-
-
- Flush mounted control panel
-
-
- 2nd remote Start/Stop button
-
-
- Flange-style seismic feet
-
-
- Trough magnet, bottom-trough or side-trough mount (1 pair)
-
-
- Programmable Logic controls
-
-
- Buss communication

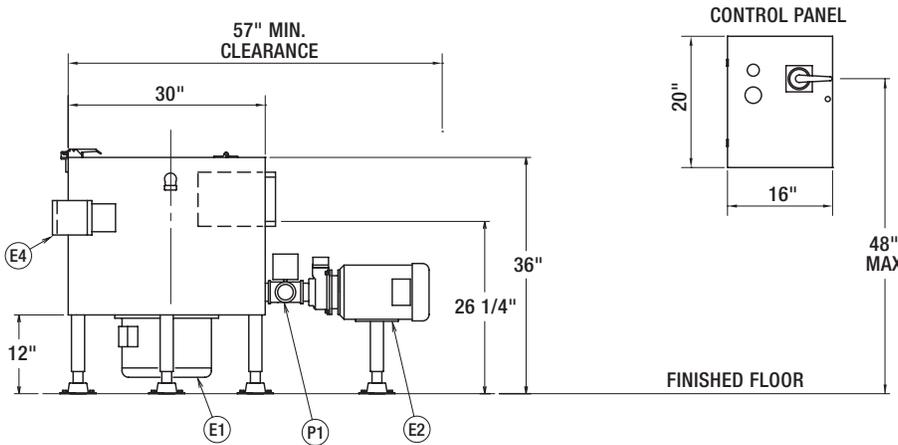
Specifications, Details and Dimensions on Inside and Back.



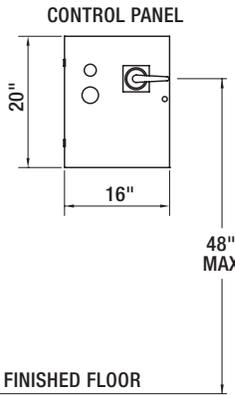
WPR-1260 WASTE PRO WASTE EQUIPMENT SYSTEM



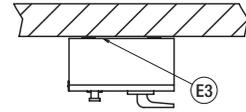
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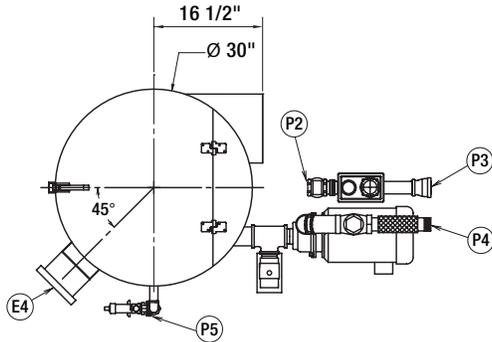
WPR-1260 ELEVATION VIEW (FREESTANDING)



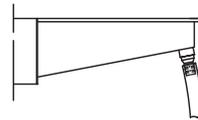
MODEL: WPR1260 FS
OPERATION
E-316104
REV. B



WALL MOUNTED CONTROL BOX
(ELECTRICAL CONDUIT HOLES TO BE
ADDED AT TIME OF INSTALLATION)
MOUNT BOX 48" AFF. MAX (AT HANDLE)
LOCATION TO BE DETERMINED BY
INSTALLER & NEC/LOCAL CODES



WPR-1260 PLAN VIEW (FREESTANDING)



OPTIONAL FEED TRAY

WARNING

ELECTRICAL AND GROUNDING CONNECTIONS MUST COMPLY WITH THE APPLICABLE PORTIONS OF THE NATIONAL ELECTRICAL CODE AND/OR OTHER LOCAL ELECTRICAL CODES. PLUMBING CONNECTIONS MUST COMPLY WITH APPLICABLE SANITARY, SAFETY AND PLUMBING CODES.

CONNECTION INFORMATION (AFF - ABOVE FINISHED FLOOR)

- E1 ELECTRICAL CONNECTION - PULPER DRIVE MOTOR
- E2 ELECTRICAL CONNECTION - SLURRY PUMP MOTOR
- E3 ELECTRICAL CONNECTION - SERVICE SUPPLY 1-3/4" CONDUIT HOLE
- E4 ELECTRICAL JUNCTION ENCLOSURE
- P1 DRAIN VALVE OUTLET CONNECTION (PIPE TO FLOOR SINK), 2" NPT (FEMALE), 15-1/2" AFF.
- P2 RETURN WATER OUTLET TO TROUGH, 1-1/2" FPT (FEMALE), 13" AFF.
- P3 RETURN WATER INLET CONNECTION FROM WATERPRESS, 2" FPT (FEMALE), 13" AFF.
- P4 SLURRY OUTLET CONNECTION TO WATERPRESS, 2" FPT (FEMALE), 24-1/2" AFF.
- P5 FRESH COLD WATER INLET CONNECTION, 3/4" FPT (FEMALE), 11-1/2" AFF.

E1	POWER SUPPLY	PULPER MOTOR	RATED AMPS	MINIMUM SUPPLY CIRCUIT CONDUCTOR AMPACITY
	208/60/3	6 HP	18.9	25
	230/60/3	6 HP	18.0	25
	460/60/3	6 HP	9.0	15

E2 Slurry pump motor info provided once system is designed

GENERAL NOTES

1. ALL DIMENSIONS TAKEN FROM FLOOR LINE MAY BE INCREASED OR DECREASED BY 3/4".
2. ELECTRICAL CONTROL PANEL, BY HOBART, SHOULD BE LOCATED WITHIN SIGHT OF PULPER AND BE EASILY ACCESSIBLE.

PLUMBING NOTES

1. CUSTOMER TO PROVIDE ALL INTERCONNECTING SLURRY AND RETURN PIPING FROM PULPER TO WATERPRESS AND FROM PULPER DRAIN LINE TO FLOOR SINK OR FLOOR DRAIN.
RECOMMENDED BUILDING FLOWING WATER PRESSURE TO THE PULPER IS 30 PSIG MIN (12 GPM).
IF FRESH WATER SUPPLY PRESSURE IS HIGHER THAN 45 PSIG, A PRESSURE REGULATING VALVE MUST BE INSTALLED IN THE WATER LINE (BY OTHERS).
2. RECOMMENDED PIPING TO BE STANDARD TYPE "L" COPPER.
3. TROUGH RETURN WATER PIPING TO BE TYPE "L" COPPER, SCHEDULE 40 GALVANIZED OR EQUIVALENT. (PVC PIPING NOT ACCEPTABLE)
4. TERMINATE FRESH WATER LINE AND TROUGH CONNECTIONS WITH UNION OR FLANGE TYPE FITTING.
5. HOT AND COLD WATER HOSE BIBS (FOR DAILY CLEANING OF UNIT), TO BE INSTALLED CLEAR OF BUT ACCESSIBLE TO UNIT, WITH A HEAVY DUTY HOSE AND SQUEEZE VALVE. (SUPPLIED BY OTHERS).
6. FLOOR DRAIN OR FLOOR SINK (ACCORDING TO LOCAL CODE REQUIREMENTS), TO BE KEPT CLEAR OF, BUT ACCESSIBLE TO THE UNIT.
7. PROTECT ALL EQUIPMENT AND RELATED PIPING FROM FREEZING TEMPERATURES AND CONDENSATION.
8. PLUMBING MUST RUN UPHILL TO TROUGH CONNECTION.
9. NO EXTERNAL STRAIN TO BE EXERTED ON HOBART EQUIPMENT.

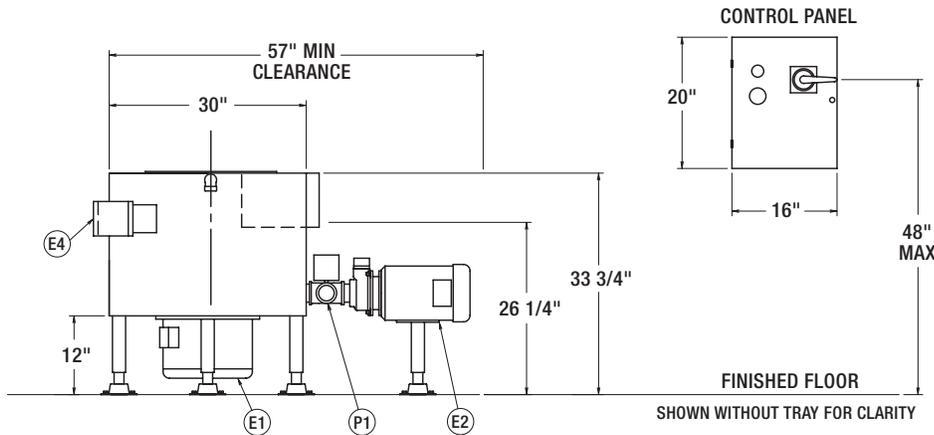
ELECTRICAL NOTES

1. ELECTRICAL CONTROL PANEL IS A SURFACE MOUNTED ENCLOSURE AVAILABLE IN NEMA 4 (SST), REMOTE-(20 X 20 X 8).
2. EACH ELECTRICAL CONTROL PANEL IS PREWIRED FROM THE FACTORY AND CONTAINS THE FOLLOWING ITEMS:
 - (A) MAIN CIRCUIT BREAKER (THERMAL MAGNETIC) INTERLOCKED WITH DOOR HANDLE.
 - (B) MAGNETIC CONTROLLER WITH OVERCURRENT PROTECTION FOR EACH MOTOR.
 - (C) STEP-DOWN TRANSFORMER FOR 115 VOLT (NOMINAL) CONTROL CIRCUIT OPERATION.
 - (D) ALL CONTROLS DESIGNED TO MEET THE REQUIREMENTS OF UL-508
3. CONTROL CIRCUIT TO BE 115 VAC NOMINAL
4. ALL CONTROL PANELS ARE TO BE WIRED IN ACCORDANCE TO LOCAL, STATE AND/OR NATIONAL ELECTRIC CODE SPECIFICATIONS
5. REMOTE PUSHBUTTON STATION TO BE MOUNTED & WIRED AT WORKSTATION BY CUSTOMER. (BRACKET SUPPLIED BY CUSTOMER)
6. REMOTE PUSH BUTTON STATION HOUSES TWO (2) ILLUMINATED PUSH BUTTONS.
7. EQUIPMENT DRIVE MOTORS ARE PROVIDED AS FOLLOWS:
 - (A) PULPER DRIVE MOTOR IS TOTALLY ENCLOSED, FAN COOLED.
 - (B) RECIRCULATING PUMP MOTOR IS TOTALLY ENCLOSED, FAN COOLED.
8. CUSTOMER TO PROVIDE ALL INTERCONNECTING WIRING FROM PREWIRED ELECTRICAL CONTROL PANEL TO PREWIRED TERMINAL BLOCKS, ELECTRICAL WIRING DIAGRAM PROVIDED WITH EACH PULPER.

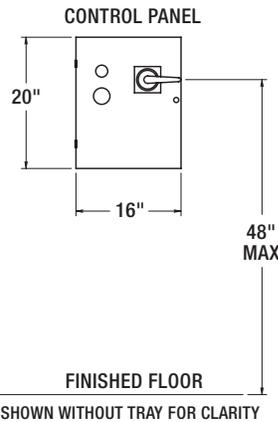


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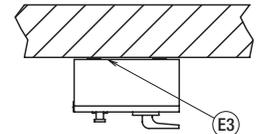
WPR-1260 WASTE PRO WASTE EQUIPMENT SYSTEM



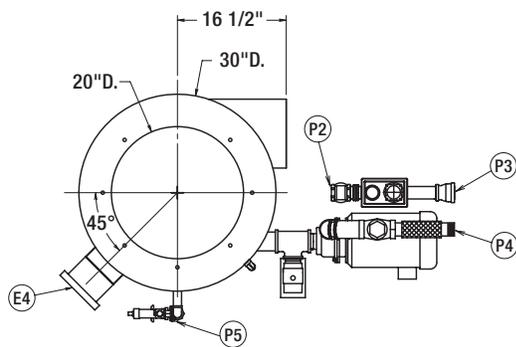
WPR-1260 ELEVATION VIEW (UNDER COUNTER)



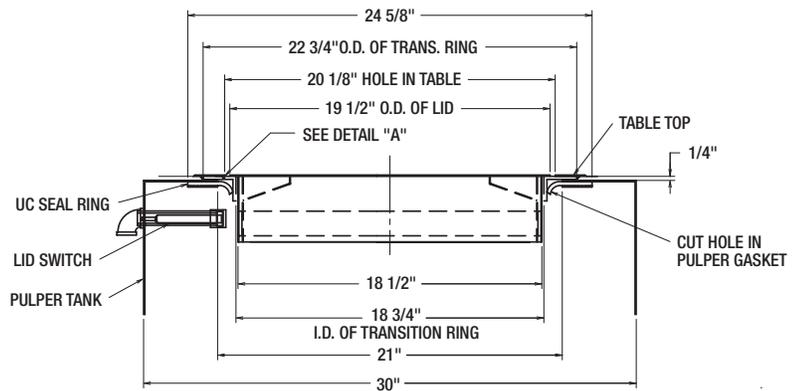
MODEL: WPR1260 UC
OPERATION
E-316105
REV. B



WALL MOUNTED CONTROL BOX
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MOUNT BOX 48\" AFF. MAX (AT HANDLE)
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INSTALLER & NEC/LOCAL CODES

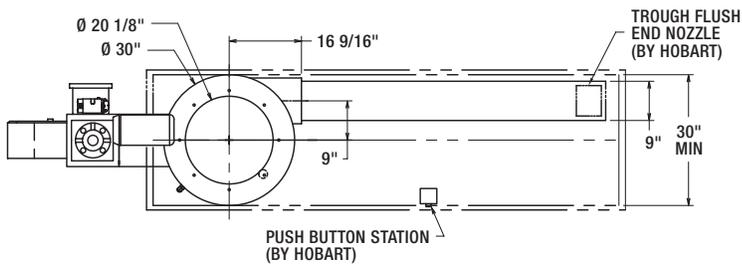


WPR-1260 PLAN VIEW (UNDER COUNTER)

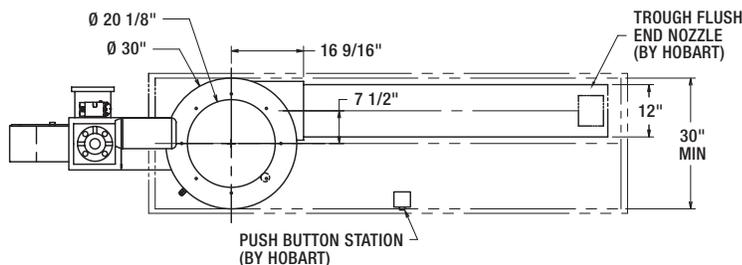


THE UC GASKET IS HELD TO THE UNDERSIDE OF THE PULPER TOP BY THE TWO HALVES OF THE TOP SEAL RING AND WELD STUDS. ELEVATE THE PULPER UNTIL THE GASKET IS IN CONTACT WITH THE BOTTOM EDGE OF THE UC TRANSITION RING. FROM THE INSIDE OF THE PULPER, CUT A HOLE IN THE GASKET USING THE TRANSITION RING AS A GUIDE (ROUGHLY 18 3/4 DIA.) ELEVATE THE PULPER THE REMAINDER OF THE WAY SINKING THE TRANSITION RING INTO THE HOLE IN THE GASKET.

UNDER COUNTER MOUNTING DETAIL



PLAN VIEW WPR-1260 UC PULPER SHOWN WITH 9" TROUGH CONNECTION



PLAN VIEW WPR-1260 UC PULPER SHOWN WITH 12" TROUGH CONNECTION

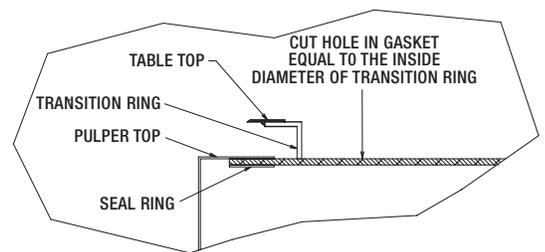


TABLE TOP
TIG 1/16
INTERMITTENT TACK WELD TO UNDERSIDE OF TABLE TOP. HOLE IN TABLE SHOULD BE 20 1/8" DIA. +/- 1/16"

DETAIL "A" – TRANSITION RING ATTACHMENT TO TABLE BY APPLICABLE CONTRACTOR

WPR-1260 WASTE PRO WASTE EQUIPMENT SYSTEM



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Benefits of Waste Equipment

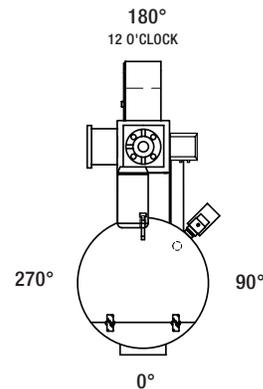
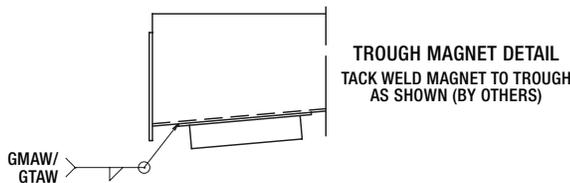
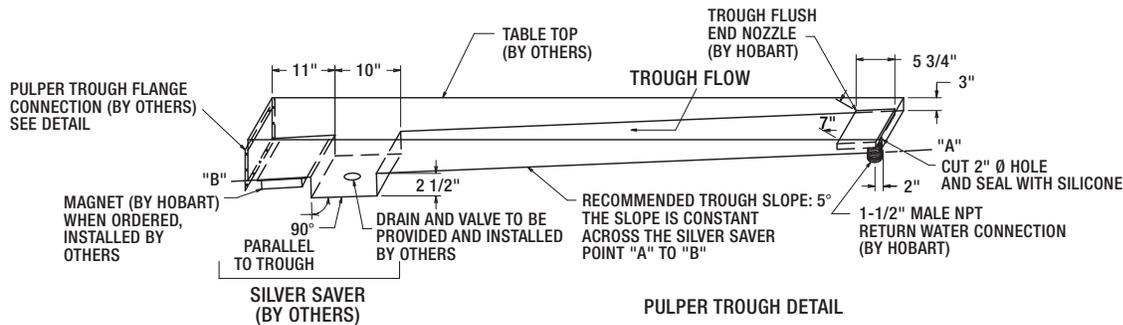
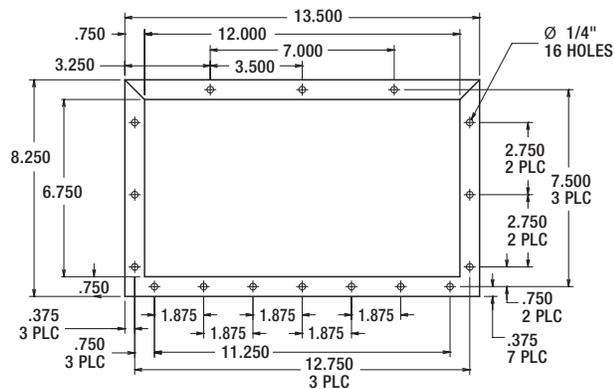
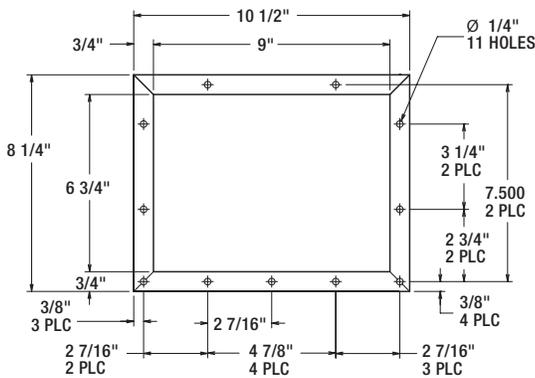
- Up to 88% reduction of waste volume.
- Savings on water usage.
- Reduced sewer costs.
- Labor Savings:
 - Reduction in man hours to haul waste to pick-up area.
 - Eliminates the need to sort paper from food waste.

– Dishwashing labor reduced by speeding up the scrapping operation.

- Reduction in solids discharged to sewer lines as compared to a food waste disposer.

* Based on foodservice waste mix of 41% food soil, 32% free liquid, 10% paper, 11% cardboard, 2.2% polystyrene, 1% film, 1% miscellaneous, 1% polypropylene (e.g. straws). Always consult your local Hobart representative to review and verify the content of your waste mix.

TABLE TROUGH CONNECTION FLANGES



SPECIFIC LAYOUT TO BE DETERMINED BY FACTORY

As continued product improvement is a policy of Hobart, specifications are subject to change without notice.



Project _____
 AIA # _____ SIS # _____
 Item # _____ Quantity _____ C.S.I. Section 114000



WPS-1260 WASTE PRO Waste Equipment System



SPECIFIER STATEMENT

The Hobart WPS-1260 Waste Reduction System processes up to 1,100 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. Hobart Pulping Systems are engineered to reduce food-service 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 waterpress for de-watering and the result is a semi-dry pulp discharged into a haul-away container. The extracted water is recirculated to the pulping tank for re-use by the tray or trough.

TECHNICAL SPECIFICATIONS

Pulper:

- + Pulper tank is 30" diameter polished 300 series stainless steel tank weldment, 37" high
- + 13³/₈" diameter stainless steel pulping disc
- + 6 HP TEFC direct drive motor
- + Fabricated stainless steel particle sizing ring, matched to the pulping disc
- + Four carbide stationary shearing cutters mounted on sizing ring to provide shearing action
- + Tubular stainless steel adjustable legs

Water Press:

- + 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.

Control Panel:

- + Prewired wall mount electrical control panel
- + NEMA 4 stainless steel enclosure
- + Magnetic-type motor contactors
- + Overload protection
- + Nominal 115 volt and 24 volt control circuit wiring
- + Junction box with terminal strips mounted on waterpress for easy access
- + Separate Start-Stop push-button station
- + Programmable logic controller

OPTIONS

- Under dish table unit
- Trough feed connection 9" or 12" wide
- Water flushed feed tray
- Feed tray cover
- Prison package
- Vibration pads
- Side mounted trough magnets
- Flanged feet

VOLTAGE OPTIONS

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

WPS-1260 WASTE PRO WASTE EQUIPMENT SYSTEM

Approved by _____ Date _____ Approved by _____ Date _____

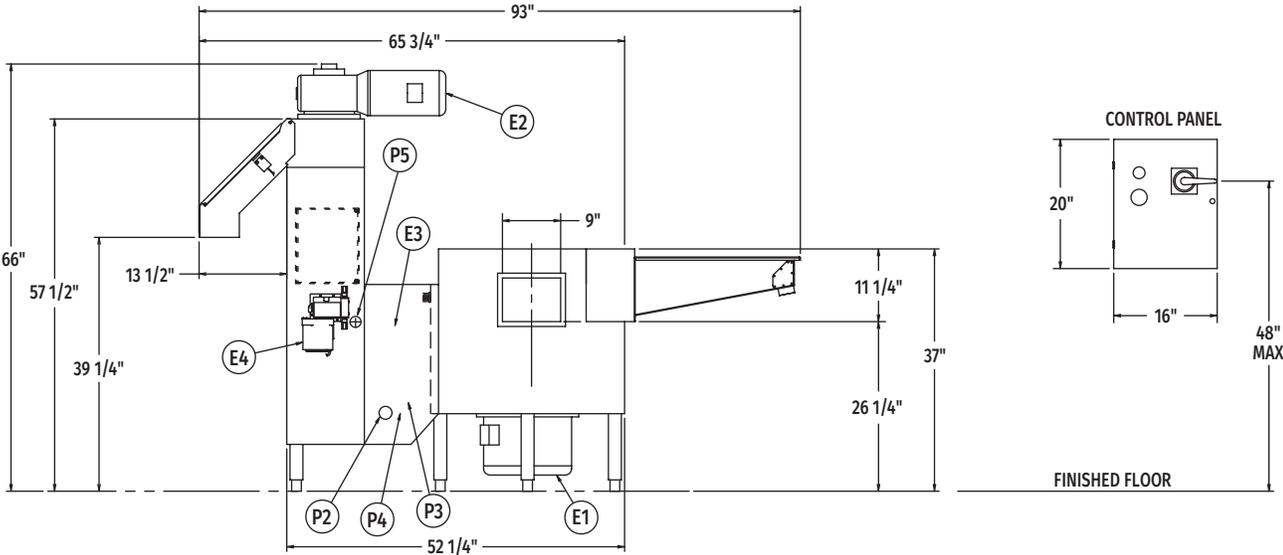


WPS-1260 WASTE PRO

Waste Equipment System

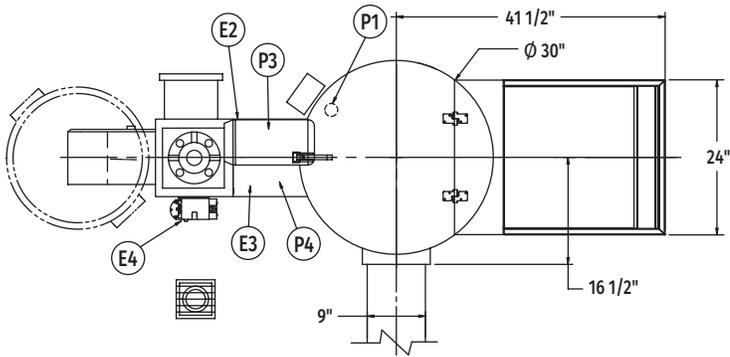
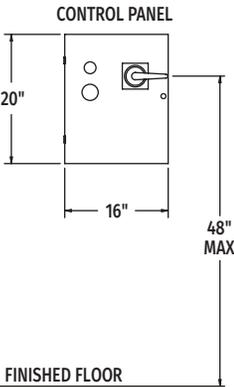
(Free-Standing Models)

DETAILS AND DIMENSIONS

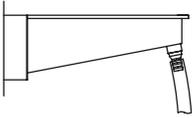


WPS-1260 ELEVATION VIEW

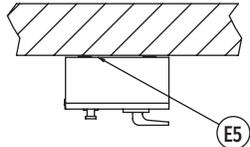
MODEL:
WPS1260
FS OPERATION
E-974558
REV B



WPS-1260 PLAN VIEW



OPTIONAL FEED TRAY VIEW A-A



WALL MOUNTED CONTROL BOX
(ELECTRICAL CONDUIT HOLES TO BE
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MOUNT BOX 48" AFF. MAX (AT HANDLE)
LOCATION TO BE DETERMINED BY
INSTALLER & NEC/LOCAL CODES

WARNING: Electrical and grounding connections must comply with the applicable portions of the National Electrical Code and/or other local electrical codes.

Plumbing connections must comply with applicable sanitary, safety and plumbing codes.

Power Supply	Pulper Motor	Return Pump Motor	Water Press Motor	Rated Amps	Minimum Supply Circuit Conductor Ampacity
208/60/3	6 H.P.	3 H.P.	2 H.P.	32.3	40
230/60/3	6 H.P.	3 H.P.	2 H.P.	29.6	35
460/60/3	6 H.P.	3 H.P.	2 H.P.	15.8	20

LEGEND

Electrical Connections	
E1	Pulper drive motor.
E2	Waterpress drive motor.
E3	Return pump motor.
E4	Chemical additive pump.
E5	Electrical junction box wired by others from control panel.
Plumbing Connections	
P1	Drain valve outlet connection (pipe to floor sink), 2" NPT (male), 4" AFF.
P2	Return water outlet connection, 1-1/2" FPT (male), 14" AFF.
P3	Fresh cold water inlet connection, 1/2" FPT (female), 13" AFF.
P4	Fresh hot water inlet connection, 1/2" FPT (female), 13" AFF.
P5	Overflow outlet connection, 1-1/2" NPT (female), 27" AFF.



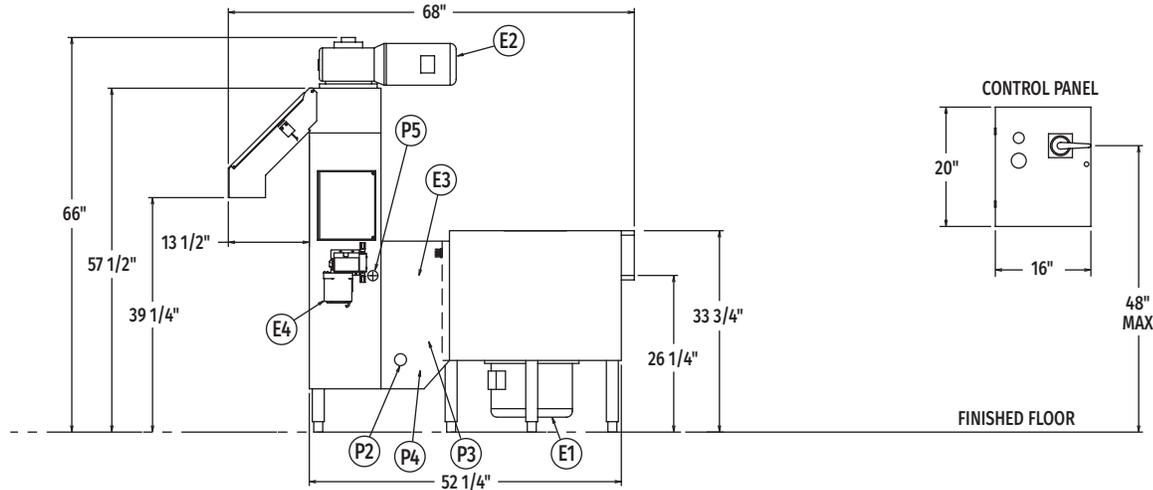
WPS-1260 WASTE PRO

Waste Equipment System

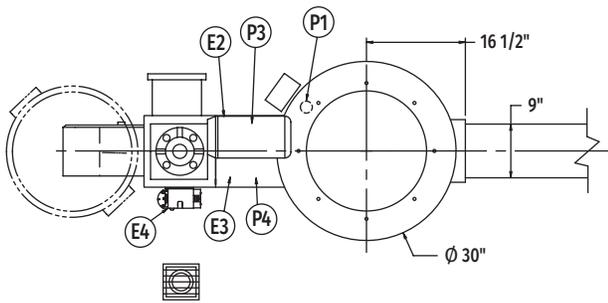
(Undercounter Models)

MODEL:
WPS1260
UC OPERATION
E-974559
REV B

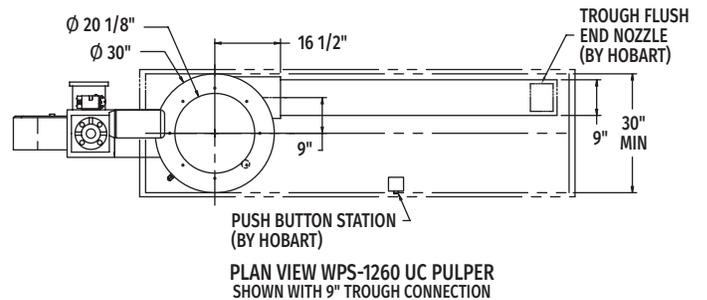
DETAILS AND DIMENSIONS



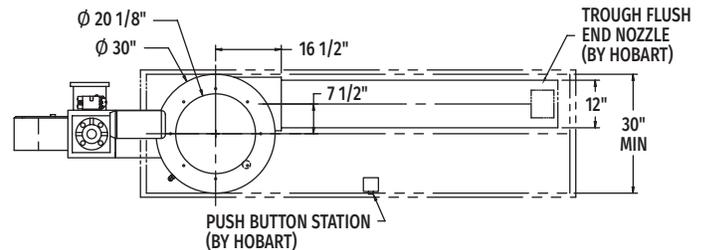
WPS-1260 ELEVATION VIEW (UNDER COUNTER)



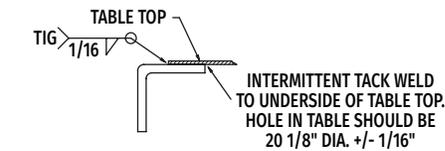
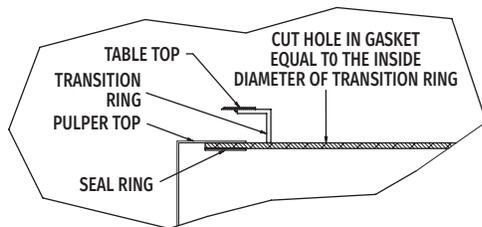
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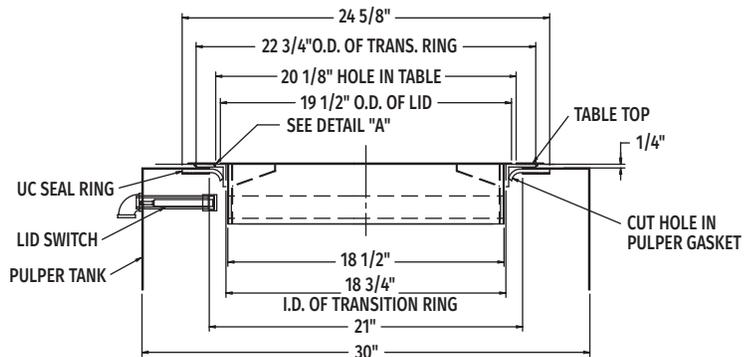
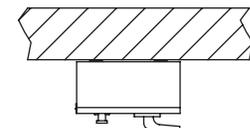
PLAN VIEW WPS-1260 UC PULPER SHOWN WITH 9" TROUGH CONNECTION



PLAN VIEW WPS-1260 UC PULPER SHOWN WITH 12" TROUGH CONNECTION



DETAIL "A" - TRANSITION RING ATTACHMENT TO TABLE BY APPLICABLE CONTRACTOR



THE UC GASKET IS HELD TO THE UNDERSIDE OF THE PULPER TOP BY THE TWO HALVES OF THE TOP SEAL RING AND WELD STUDS. ELEVATE THE PULPER UNTIL THE GASKET IS IN CONTACT WITH THE BOTTOM EDGE OF THE UC TRANSITION RING. FROM THE INSIDE OF THE PULPER, CUT A HOLE IN THE GASKET USING THE TRANSITION RING AS A GUIDE (ROUGHLY 18 3/4 DIA.) ELEVATE THE PULPER THE REMAINDER OF THE WAY SINKING THE TRANSITION RING INTO THE HOLE IN THE GASKET.

UNDER COUNTER MOUNTING DETAIL

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WPS-1260 WASTE PRO Waste Equipment System

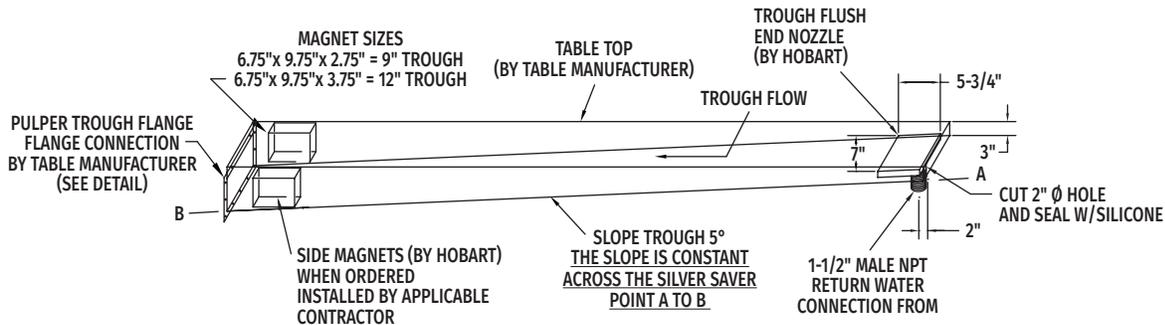
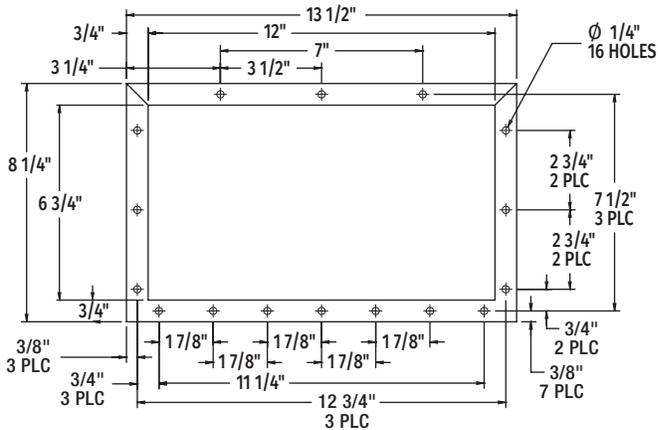
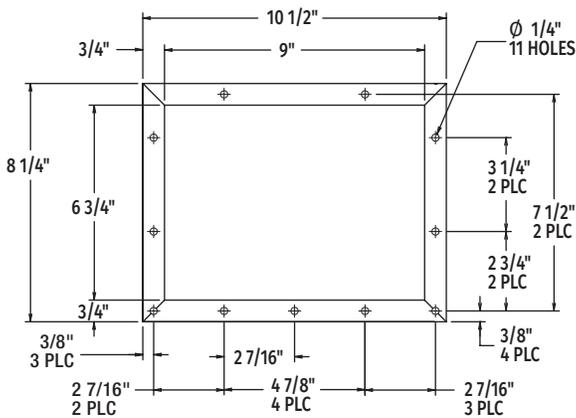
BENEFITS OF WASTE EQUIPMENT

- Up to 88% reduction of waste volume.
- Savings on water usage.
- Reduced sewer costs.
- Labor Savings:
 - Reduction in man hours to haul waste to pick-up area.
 - Eliminates the need to sort paper from food waste.
 - Dishwashing labor reduced by speeding up the scrapping operation.

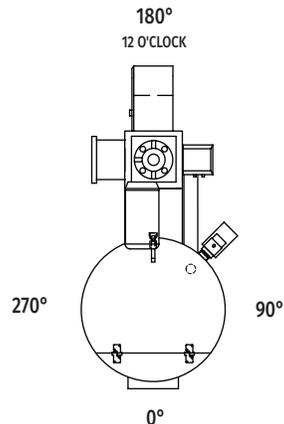
- Reduction in solids discharged to sewer lines as compared to a food waste disposer.

* Based on foodservice waste mix of 41% food soil, 32% free liquid, 10% paper, 11% cardboard, 2.2% polystyrene, 1% film, 1% miscellaneous, 1% polypropylene (e.g. straws). Always consult your local Hobart representative to review and verify the content of your waste mix.

TABLE TROUGH CONNECTION FLANGES



RECOMMENDED PULPER TROUGH DETAIL TROUGH TO BE SUPPLIED BY APPLICABLE CONTRACTOR



SPECIFIC LAYOUT TO BE DETERMINED BY FACTORY



DETAILS AND DIMENSIONS

General Notes:

1. All dimensions taken from floor line may be increased or decreased by 3/4".
2. Electrical control panel, by Hobart, should be located within sight of pulper and be easily accessible.
3. Approximate shipping weight: 1,175 lbs.

Plumbing Notes:

1. Customer to provide piping from fresh water supply (hot & cold) to pulper and from pulper drain line to floor sink or floor drain (4" minimum drain recommended).
Recommended building flowing water pressure to the pulper is 30 PSIG minimum (18 GPM).
If fresh water supply pressure is higher than 45 PSIG, a pressure regulating valve must be installed in the water line (by others).
2. Trough return water piping to be type L copper, schedule 40 galvanized or equivalent (PVC piping not acceptable).
3. Terminate fresh water line and trough connections with union or flange type fitting.
4. Hot and cold water hose bibs (for daily cleaning of unit), to be installed clear of but accessible to unit, with a heavy duty hose and squeeze valve. (Supplied by others).
5. Floor drain or floor sink (according to local code requirements), to be kept clear of, but accessible to the unit.
6. Protect all equipment and related piping from freezing temperatures and condensation.
7. Plumbing must run uphill to trough connection.
8. No external strain to be exerted on Hobart equipment.

Electrical Notes:

1. Electrical control panel is a surface mounted enclosure available in NEMA 4 (SST), closed coupled (16"x20"x8").
2. Each electrical control panel is prewired from the factory and contains the following items:
 - (A) Main circuit breaker (thermal magnetic) interlocked with door handle.
 - (B) Magnetic controller with overcurrent protection for each motor.
 - (C) Step-down transformer for 115 volt (nominal) control circuit operation.
 - (D) All controls designed to meet the requirements of UL-508.
3. Control circuit to be 115 VAC nominal.
4. All control panels are to be wired in accordance to local, state and/or national electrical code specifications.
5. Remote push button station to be mounted & wired at workstation by others. (Bracket supplied by others.)
6. Remote push button station houses two (2) illuminated push buttons.
7. Equipment drive motors are provided as follows:
 - (A) Pulper drive motor is totally enclosed, fan cooled.
 - (B) Recirculating pump motor is totally enclosed, fan cooled.
 - (C) Waterpress motor is totally enclosed, fan cooled.
8. Customer to provide all interconnecting wiring from prewired electrical control panel to prewired terminal blocks, electrical wiring diagram provided with each pulper.

TOOLS

Standard

- Standard set of Hand Tools
- VOM with minimum of NFPA-70E CATIII 600V, UL/CSA/TUV listed. Sensitivity of at least 20,000 ohms per
- volt and the ability to measure DC micro amps. Meter leads must also be rated at CAT III 600V.
- Clamp on type amp meter with minimum of NFPA-70E CAT III 600V,UL/CSA/TUV listed.
- Loctite® 242 and 271
- 8" or Longer Ratchet Extension

Special

- Grounding Kit
- Qty 2 - 2x4 Wooden Support, approximately 12" long - (waterpress screw removal)
- 1 1/8" Socket with Ratchet (waterpress screw removal)
- 8" or Longer Ratchet Extension. (pulping disk removal)
- Welder - Required Burn Permit
- 2" x 12" PVC Pipe (seal replacement)
- 22" long 1/2"-13" All Thread Rod (drive motor replacement) with Qty 3 Nuts and Qty 3 Flat Washers
- 28" long 2x4 with 3/4" Hole drilled in Center (drive motor replacement)
- Hydraulic Jack (drive motor replacement)

INSTRUCTIONS

WPR1260 WastePro™ Remote WASTE EQUIPMENT SYSTEM

MODEL

<i>WPR1260</i>	<i>ML-130288</i>
<i>WP6</i>	<i>ML-130048</i>
<i>WP9</i>	<i>ML-130049</i>



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FORM 47602 (June 2016)

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Installation, Operation and Care of WPR1260 WastePro™ Remote WASTE EQUIPMENT SYSTEM

SAVE THESE INSTRUCTIONS

GENERAL

The WPR1260 WastePro™ Remote Waste Equipment System prepares waste materials for disposal using one or more WPR1260 pulpers, a piping system and a waterpress. Paper, plastic, foil and food waste are fed into the pulper, shredded into small pieces in water to make a slurry. The waterpress lifts the slurry using a stainless steel screw inside of a perforated tubular screen. The water passes through the screen and is pumped back to the pulper. The solids continue up the screw where they are further compacted to a semi-dry pulp, exiting through the discharge chute to a waste container. Fresh make-up water is supplied to the pulper automatically through a solenoid valve controlled by a water level sensor. The original volume of waste material is reduced significantly.

The pulper has a 6 h.p. motor, stainless steel components, carbide and hardened stainless steel shredder blades. The waterpress can be model WP6 or model WP9 depending on volume, layout and piping requirements. The waterpress has a motor that turns the stainless steel screw and a pump that returns process water to the pulper; motors are sized for system requirements.

An optional feed tray (by Hobart) allows waste materials to be fed into the pulper. A feed trough (fabricated by tabling suppliers) allows waste materials and water to feed through an optional water-tight opening into the pulper. A flush nozzle with throttling valve (by Hobart) is an available option for the front end of the trough. A silver-saver sink (by others) can be installed in the feed trough; a silver saver magnet is an available option (by Hobart). Mounted below the trough, it restrains ferro-magnetic objects from entering into the pulper.

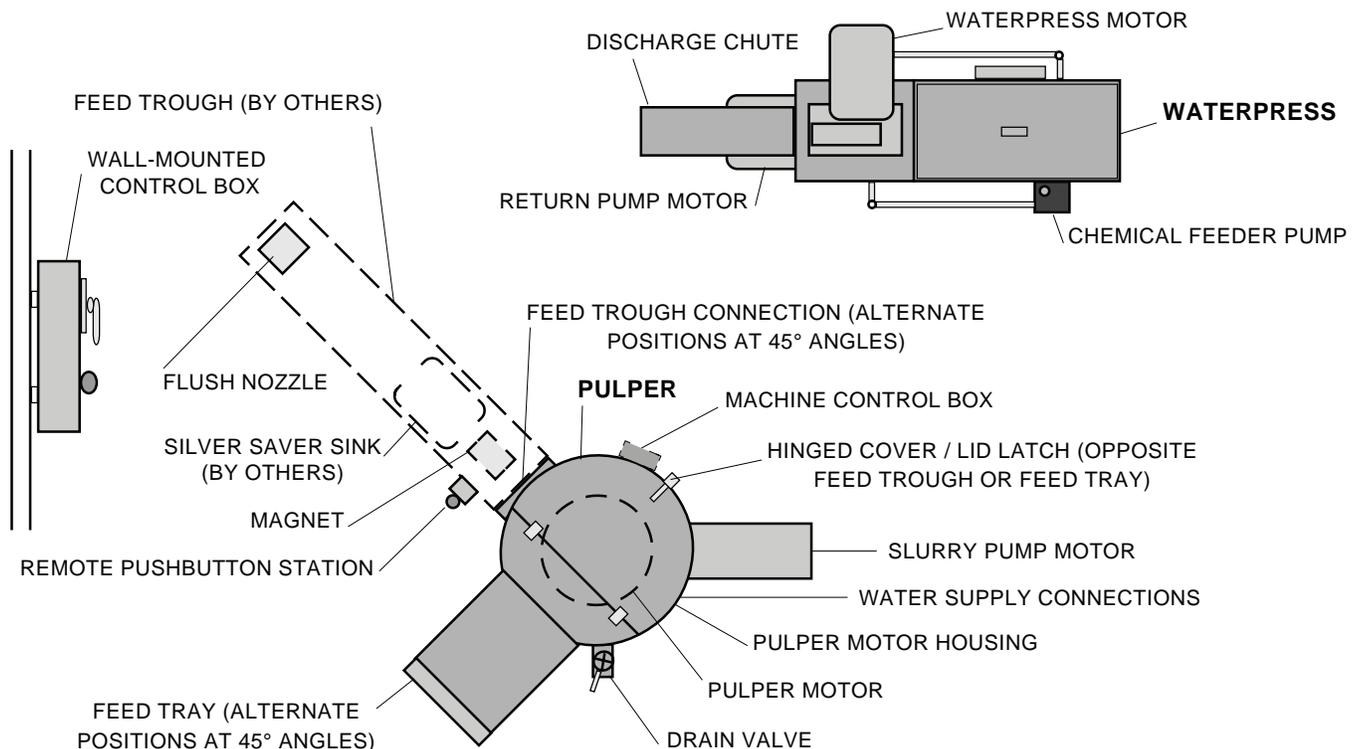


Fig. 1

INSTALLATION

Prior to installation, test the electrical service to assure that it agrees with the specifications on the machine data plate located on the front of the pulper.

UNPACKING

Immediately after unpacking, check for possible shipping damage. If the unit is found to be damaged, save the packaging material and contact the carrier within 5 days of delivery.

LOCATION

Locate the waste system near a floor drain; floor should be pitched a minimum of $\frac{1}{4}$ " per foot to the floor drain. A suitable amount of space should be provided for machine operation, cleaning and service.

VIBRATION ISOLATION FOOTPADS AND LEVELING

Vibration isolation footpads (standard — Fig. 2) must be installed on each of the legs of the pulper(s) and waterpress before making connections. Level the units by threading the adjustable feet up or down as necessary.

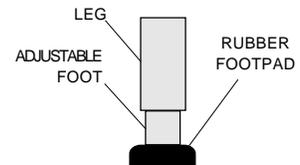


Fig. 2

CHEMICAL FEEDER PUMP (STANDARD)

The chemical feeder pump is mounted on the waterpress. It has its own on-off switch. When on, the chemical feeder pumps a chemical additive into the waterpress to control odors, to buffer the acidity of the system water and to reduce foaming. Contact your chemical supplier for a recommendation for the appropriate chemical additive. The recommended chemical pump setting is #1 which delivers 0.3 gallons per day. Each subsequent setting number is a direct multiple of setting #1. For example, setting #2 delivers 0.6 gallons per day, etc.

Insert the chemical tube with the plastic filter into the chemical container.

THE FOLLOWING PARTS MAY BE INCLUDED (DEPENDING ON OPTIONS SELECTED)

- 1 Nozzle for trough flush, rectangular piece has pipe thread with locknut on back.
- 1 Magnet (option) for trough.
- 6 Black Rubber Vibration Isolators for the legs; and a package of
- 6 Stainless steel screws (10-32 x $1\frac{1}{2}$ ") with nuts, washers and lockwashers.
- 1 Black Rubber Gasket slit curtain for trough opening; which also includes approximately
- 16 Stainless steel screws (10-32 x $1\frac{1}{2}$ ") with nylon stop nuts.
- 1 Push-button Station with Start, Stop and Timed Stop switches (second p/b station is an option).
- 2 Remote Control Box (for wall mounting).

SILVER SAVER — BY OTHERS (TROUGH EQUIPPED UNITS ONLY)

Silver saver sink to be fabricated into trough by others. It is recommended that a drain be provided in the silver saver sink and plumbed to a floor drain (by others). A shut-off valve must be installed in this drain line (provided and installed by others).

TROUGH GASKET (TROUGH EQUIPPED UNITS ONLY)

Install the trough gasket between the pulper's Trough Flange and the trough's outlet. Drill a hole pattern in the pulper's Trough Opening flange to match the holes in the hole pattern in the trough outlet flange; secure with the provided hardware.

OPTIONAL MAGNET FOR SILVER SAVER (TROUGH EQUIPPED UNITS ONLY)

Install the magnet underneath the silver saver by tack welding to the under side. Alternatively, drill four $\frac{7}{32}$ " diameter holes in the silver saver, and secure the magnet with the hardware, provided; seal the heads of the screws with silicone sealant. Refer to Fig. 3 for position of the magnet; refer to Fig. 4 for mounting detail.

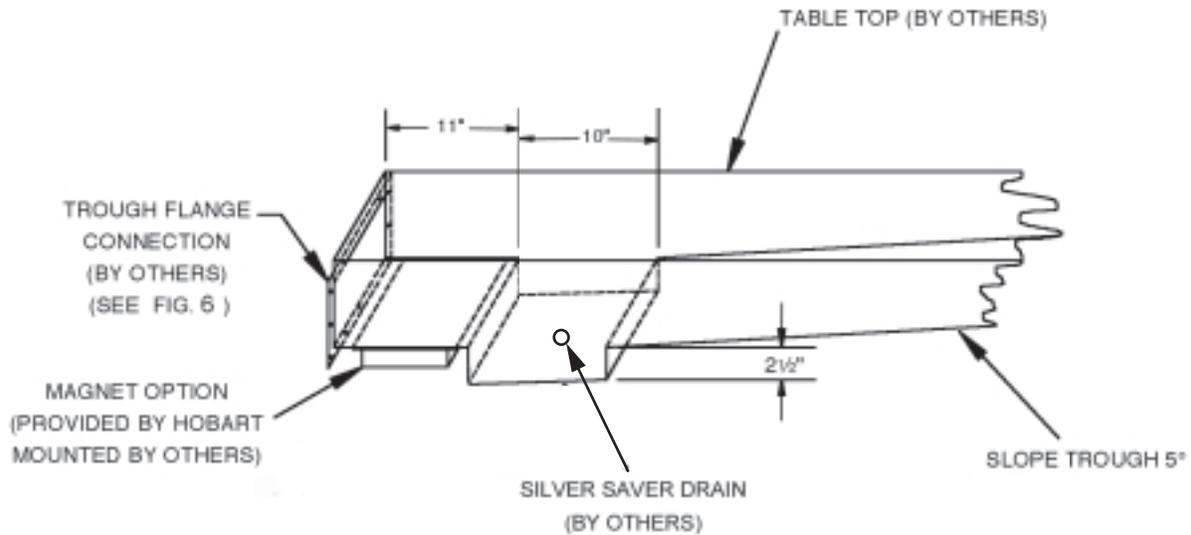


Fig. 3

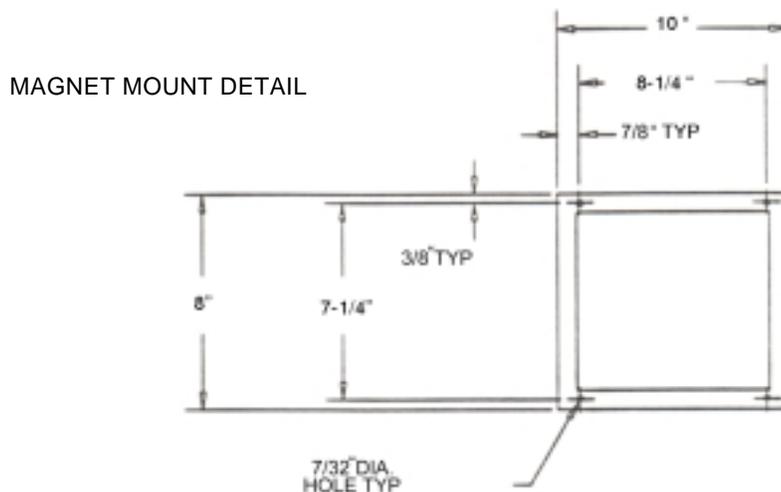


Fig. 4

TROUGH PIPING DETAIL (TROUGH EQUIPPED UNITS ONLY)

Install piping from the return water outlet to the trough flush nozzle as shown, (Fig. 5).

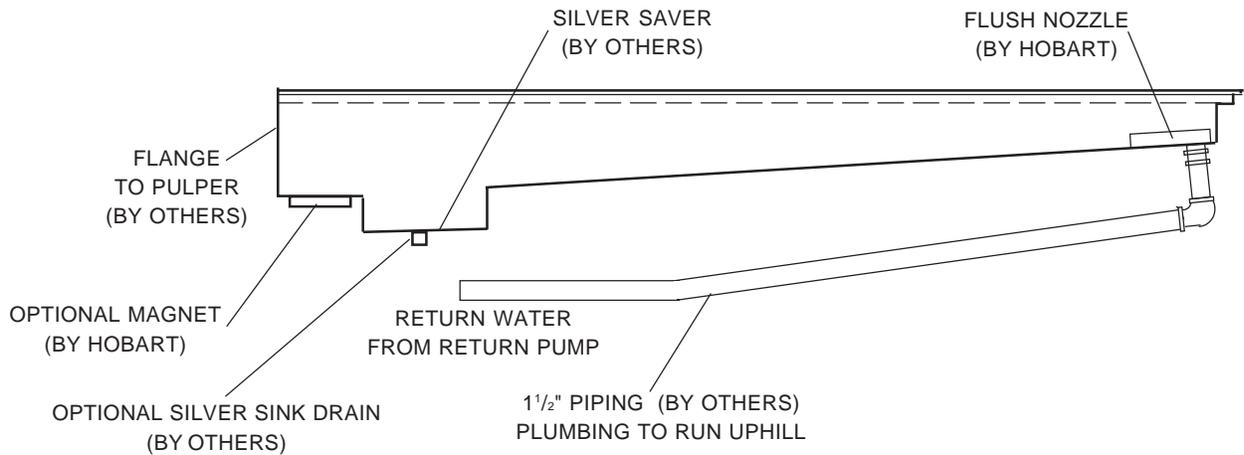


Fig. 5

FLANGE DETAIL

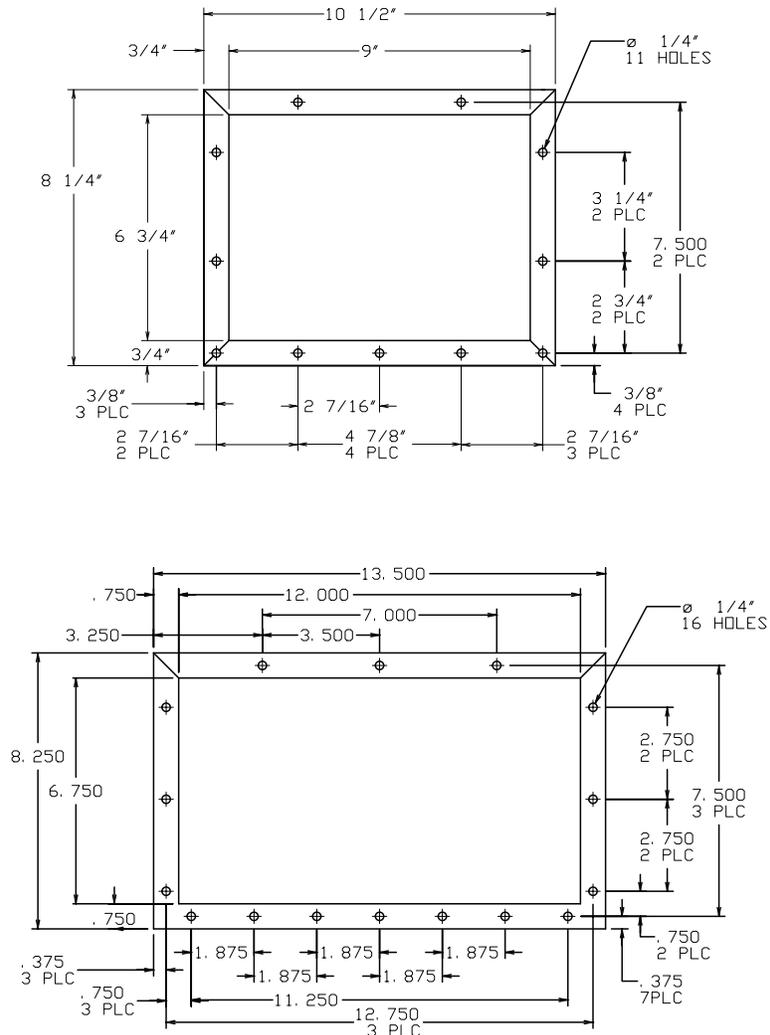


Fig. 6

PULPER INSTALLED UNDER A DISH TABLE

- 1) Cut an $20\frac{1}{8}$ " diameter hole in the top of the table as shown in the installation drawing.
- 2) Center the transition ring, provided, beneath the opening and weld it into place as shown.
- 3) Move the pulper into position under the $20\frac{1}{8}$ " diameter hole.
- 4) Install the trough gasket, provided, between the pulper's inlet and the trough outlet. Match and drill the pulper trough flange to the hole pattern in the table's flange and secure with the hardware provided.

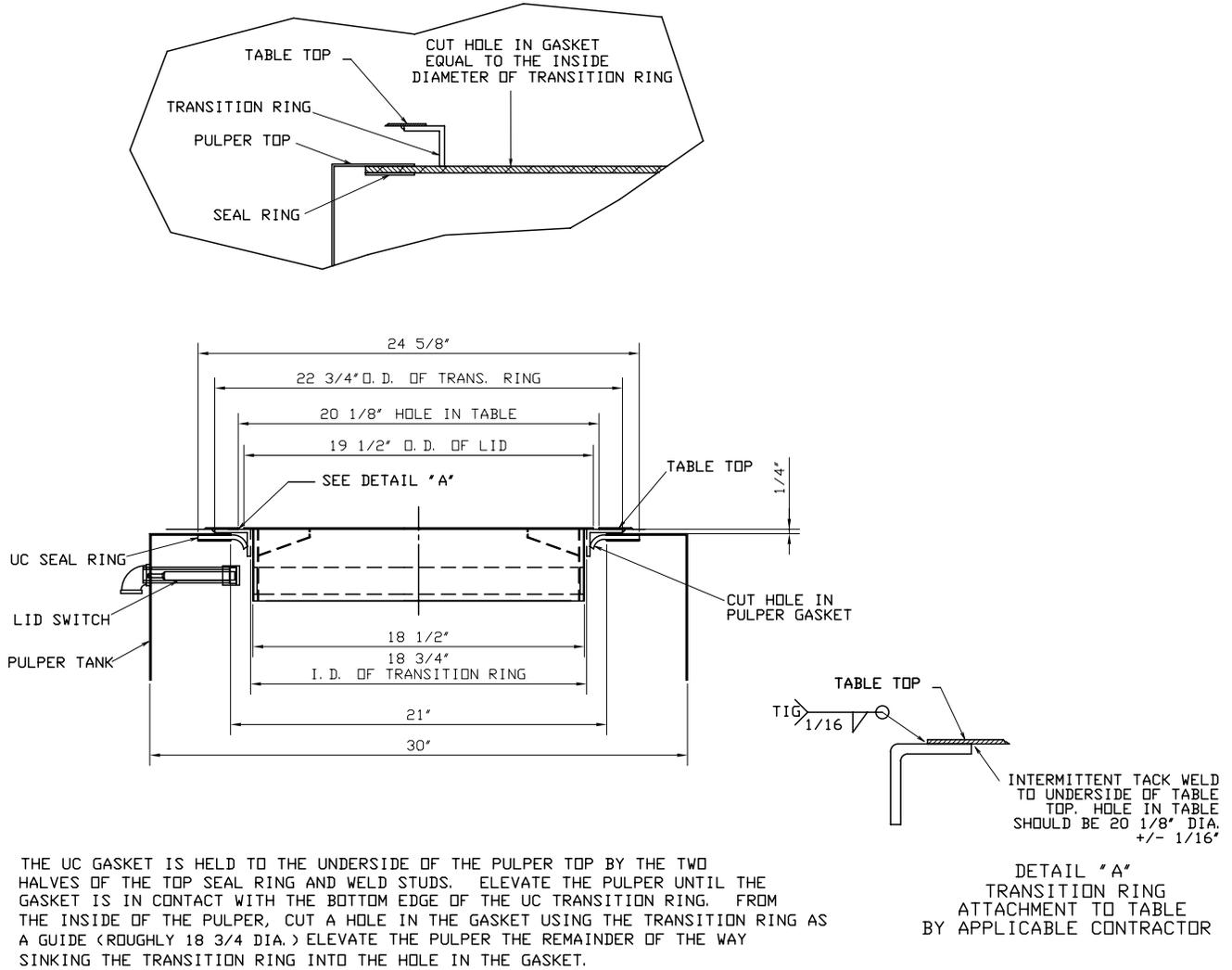


Fig. 7

PLUMBING CONNECTIONS

WARNING: PLUMBING CONNECTIONS MUST COMPLY WITH APPLICABLE SANITARY, SAFETY AND PLUMBING CODES.

1. Customer to provide all interconnecting slurry and return piping from waterpress to pulper(s). Also, overflow line and drain lines from waterpress to floor sink or floor drain.
2. All fittings must be pressure rated drainage type.
3. Floor drain or floor sink, 6" minimum (according to local code requirements) is/are to be kept clear of, but accessible to the unit.
4. Do not put any external strain on the Hobart equipment.
5. Protect all Hobart equipment and piping from freezing and condensation.
6. Hot and cold water hose bibs (for daily cleaning of unit) are to be installed clear of, but accessible to unit, with a heavy duty hose and squeeze valve (installed by others).

Pulper — Fresh Cold Water Connection

Connect the cold water supply to the $\frac{3}{4}$ " NPT internal-thread connector to the labeled port located on the side of the pulper tank with a manual shut-off valve. Incoming water pressure must be between 25 psig and 45 psig flowing.

Pulper — Drain Connection

Install 2" pipe from the pulper drain valve to a suitable floor drain per local code. Use an open connection to the floor drain. Do not make a direct plumbing connection. DO NOT REDUCE.

Waterpress — Fresh Hot Water Connection

Connect the hot water supply to the manual shut off valve on the piping assembly located on the side of the water press. Refer to table for pipe size. Incoming water pressure must be between 25 psig and 45 psig flowing.

Waterpress Model	Valve Size
WP6	$\frac{1}{2}$ " NPT
WP9	$\frac{3}{4}$ " NPT

Waterpress — Auto-Rinse Drain Connection

Install 1 $\frac{1}{2}$ " pipe from waterpress auto-rinse drain, located on the return piping assembly, to a suitable floor drain per local code. Use an open connection to the floor drain. Do not make a direct plumbing connection. DO NOT REDUCE.

Slurry Line, Return Line, etc.

Connect the slurry line and the return line and other piping connections per the installation and piping drawings. Pressure test piping system for leaks at 150 psig.

PLUMBING INSTALLATION REQUIREMENTS

Use only specified pipe sizes. Do not increase or decrease pipe sizes from those specified.

Use standard "type M" copper piping for the slurry line and return line. Keep track of the direction of flow while plumbing the slurry and return lines (mark with a marker pen as you go along). Use only long radius T - Y type cleanouts or lateral type fittings and 45° elbows (Fig. 8). Install cleanouts at all turns and every 50 feet of straight pipe runs. Make sure cleanouts are accessible. Install cleanouts so the water does not flow into the cleanout to avoid probable jamming and clogging (Fig. 8).

Do not use 90° elbows or right angle turns — jams could occur and stop the flow.

Plan piping layouts without drastic elevation changes that could cause airlocks and stop the flow.

Terminate slurry and return lines with union or flanged type fittings.

Install a manual shutoff valve on incoming fresh water lines to allow servicing.

Install all valves and other components as shown on the installation drawings.

Piping must run uphill to trough connection if feed table is equipped with a trough.

At junctions, in pipe runs, use a "T-Y" or lateral type fitting and make accessible.

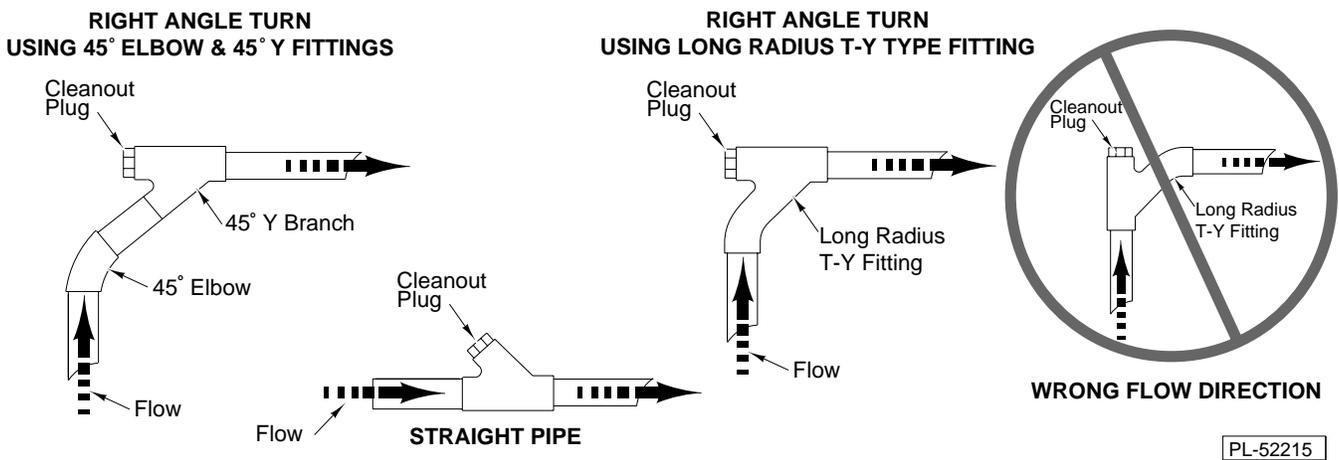


Fig. 8

ELECTRICAL CONNECTIONS

WARNING: ELECTRICAL AND GROUNDING CONNECTIONS MUST COMPLY WITH APPLICABLE PORTIONS OF THE NATIONAL ELECTRICAL CODE AND/OR OTHER LOCAL ELECTRICAL CODES.

WARNING: DISCONNECT THE ELECTRICAL POWER TO THE MACHINE AND FOLLOW LOCKOUT / TAGOUT PROCEDURES.

Refer to the electrical diagram located inside the wall-mounted control box and the installation drawings.

The wall-mounted control box must be located away from the pulper and waterpress. Mount the wall-mounted control box (NEMA 4) so that the bottom of the box is at least 42" above the finished floor. To facilitate field wiring, terminal blocks are provided in both the wall-mounted control box and the machine control box located on the side of the pulper tank. Conduit and wiring (by others) must be installed according to the electrical diagram and the installation drawings.

The incoming electrical power supply must be connected to the wall-mounted control box after the interconnections are made between the wall-mounted control box and the machine control box; terminals in each box are the same. This includes the ground wire.

Remote Push-Button Station (Standard)

One or more remote pushbutton stations with Start and Stop switches and the Timed Stop switch may be provided as ordered. These should be installed in a suitable and convenient location per local codes, the electrical diagram and installation drawings. They should be securely mounted and located at a convenient location (possibly on the dish table) for ease of operation, but not where they can be damaged.

Motor Rotation

The pulper drive and slurry pump motors and the waterpress drive and return pump motors must be checked for correct rotation after the machine has filled. Arrows are provided to indicate the correct directions of motor rotation.

To check motor rotation, turn power on. Start and Stop the machine. Observe direction of motors.

If incorrect direction of rotation is observed, **DISCONNECT ELECTRICAL POWER SUPPLY.** Interchange two power supply leads to the motor connection terminal block, in the prewired machine control box. The overloads may need to be reset. Close the electrical access panels. Reconnect electrical power. Turn the machine on momentarily to verify correct motor rotation.

Electrical Installation

Refer to the wiring diagram shipped with the machine in the wall-mounted control box.

- 1) Prewired control panels, operator devices and electric valves are furnished by Hobart.
- 2) Install 1 1/4" watertight conduit from the wall-mounted control box to the prewired machine control box, pull motor wires and control wires through this conduit and make the final connections.
- 3) Ground all electrical equipment. Transformer produces a 115 VAC nominal control circuit voltage. The PLC produces 24 VDC circuit voltage.
- 4) Remote push-button station(s) to be mounted and wired at the workstation by others. Bracket(s) for mounting push-button station(s) to be supplied by others.
- 5) Each push-button station houses two (2) illuminated push buttons plus a Timed Stop switch.
- 6) Control logic wiring shall be 18 AWG (THW) or equivalent for distances less than 120 feet.

OPERATION

WARNING: ROTATING PARTS INSIDE. KEEP HANDS OUT. DO NOT OPERATE WITHOUT: 1. ELECTRICAL INTERLOCK ON PULPER COVER AND/OR 2. ELECTRICAL INTERLOCK ON WATERPRESS DISCHARGE CHUTE. COVER MUST BE CLOSED AND THE DISCHARGE CHUTE MUST BE IN PLACE BEFORE UNIT WILL OPERATE.

WARNING: DISCONNECT ELECTRICAL POWER TO THE MACHINE AND FOLLOW LOCKOUT / TAGOUT PROCEDURES BEFORE CLEANING OR SERVICING.

CONTROLS

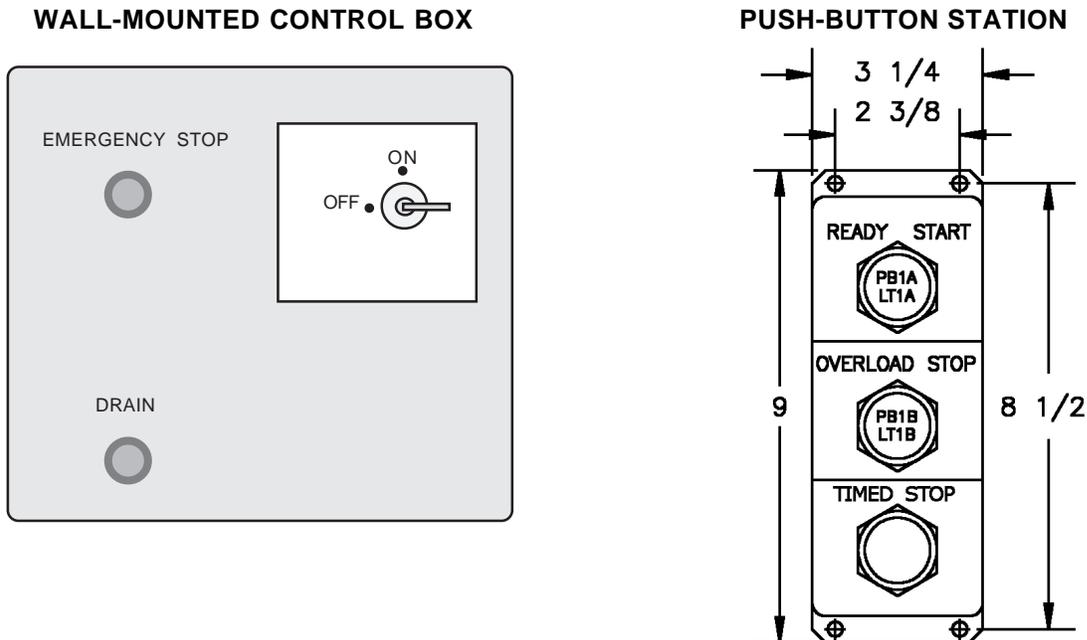


Fig. 8

To start the system, make sure the main power switch on the wall-mounted control box is in the ON position.

1. The hinged cover or undercounter cover plate must be closed (when equipped). Ensure the waterpress access cover is installed and the waterpress discharge chute cover is lowered.
2. Push the **START** button. The machine begins to fill with water. During the initial fill, the green start button light will flash. When the machine has filled to the proper level, the green start button light will illuminate solid.
3. Press the **START** button and wait until there is a continuous flow of water in the trough and/or feed tray (flush valves must be open and adjusted for proper throttling level if so equipped).
4. Begin feeding waste into the trough and/or feed tray.
5. To stop operation, press the **STOP** button.

FEEDING INSTRUCTIONS

Applications will vary widely; however, the following conditions could occur and should be monitored.

1. **Overfeeding.** The waste system is designed for continuous uniform feeding. The feed rate should not exceed 60 pounds in a three minute period. Overfeeding reduces the machine's rated operating capacity. **DO NOT OVERFEED.**

If waste material is delivered in large plastic bags, tear open the bag and feed one at a time. Unopened bags can fill with air and float, hampering machine operation.
2. **Foaming** is caused by contaminants in the water or by certain materials in the waste, such as glue in corrugated cardboard. Chemical defoaming agent can be added to reduce this condition; consult your chemical supplier.
3. **Corrosion.** If the water and / or waste is running in an acidic or alkaline condition, use of a buffering agent is recommended to neutralize the water. Regular testing is recommended since rapid corrosion due to acidic or alkaline conditions can result in costly repairs.
4. **Freezing.** Protect all equipment and piping from freezing. Insulation and heating cables should be used where equipment or piping is exposed.
5. **Non-Pulpables** (items that cannot be made into pulp). The WPR1260 Pulper is designed to handle a limited amount of non-pulpable materials. Lighter non-pulpable items are eventually cut and processed with the pulp; heavier materials settle to the bottom of the tank.
 - **DO NOT FEED** glass or metal containers; if present in the plastic bags, sort them out. Glass and metal containers are highly abrasive and accelerate machine wear. It is better to recycle glass or metal containers using a can or bottle crusher to reduce the volume.
 - **DO NOT FEED** rags, mop heads, wooden crates, oyster, or clam shells or heavy uncooked bones to the pulper. The waste system cannot efficiently reduce the volume of these items.

Caution: Heavy masonry materials, tramp iron and other materials of this nature can damage the cutters and seriously impair the pulper's ability to handle material of any kind.

Occasionally the amount of non-pulpable materials in the pulper tank may become excessive because of their slower processing rate. When this happens, press the STOP button and disconnect the electrical power. After machine is stopped, scoop out the non-pulpable materials. Then re-start the machine in the normal way.

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

During normal operation, there should be a strong flow of water returning to the pulper via trough and/ or tray flush from the waterpress. This flow is a clue to the performance of the machine since a sharp reduction in this flow indicates the pulper is overloaded. If this occurs, stop feeding for a few minutes until return water resumes its normal flow.

Avoid slugging the machine with greasy swill or overloading the pulper with bread or pastry. Mix these items with bulky waste such as paper or corrugated boxes. The pulper will always perform better with clean water. It is good practice to drain the machine of dirty water after every meal period.

It is recommended that the discharge receptacle (garbage can) not be taller than the bottom of the discharge chute. Empty receptacle whenever necessary.

SHUTDOWN PROCEDURE

The following shutdown procedure must be followed before performing necessary cleaning and maintenance duties.

1. With the pulper still running, push the Timed Stop switch to permit the system to be shut down automatically. The pulper will stop when the shutdown timer has timed out. Do not add additional waste when the unit is operating in the Timed Stop cycle. If additional material needs to be added after the Timed Stop cycle has started, push the Timed Stop switch at any time and return to normal feeding.
2. Press the drain switch on the control panel to allow the unit to drain. Wait 30 seconds before proceeding to step 3.
3. Turn off the electrical power by turning the main power switch on the remote control box to the OFF position.

CLEANING

Cleaning requires only a few minutes daily, but must be done on a regular basis and proper facilities must be available. **NOTE:** If daily cleaning schedules are not followed, the machine will become unsightly and odors will develop and machine performance may decrease. A hose with a good quality, lever-operated nozzle should be available, preferably with hot water, for clean-up of both the machine and the surrounding area.

Cleaning Instructions

Shut down the machine per Shutdown Procedure above.

WARNING: DISCONNECT ELECTRIC POWER SUPPLY AT MAIN CONTROL BOX; PLACE A TAG AT THE DISCONNECT SWITCH INDICATING THAT YOU ARE WORKING ON THE CIRCUIT; AND WAIT FOR THE PULPER DISK TO COME TO A COMPLETE STOP BEFORE PERFORMING ANY CLEANING PROCEDURES.

1. Clean the pulper tank of any non-pulpable material. Use care, glass or other sharp items may be present in the pulper.
2. Wash the interior of the tank with a hose, suitable brush, detergent and deodorant or other cleaning solution. Be sure to clean the underside of the upper tank flange.
3. Using a spray hose, wash down the waterpress screen and interior walls of the waterpress and pulper tank. A long-handled, nylon bristle brush is recommended. Avoid spraying the chemical pump and control box.
4. Wipe down the equipment exterior.
5. It is not necessary to dig out the plug of pulp remaining at the top of the waterpress screw. After the machine has been cleaned, wash down the floor. Replace all removed parts. The system is now ready to be started.

Cleaning Compounds

Cleaning compounds used with the WPR1260 waste system should combine five important features: Detergency, disinfection, pH buffering, odor control and bio-degradability.

Consult your chemical supplier for recommendations.

MAINTENANCE

WARNING: DISCONNECT ELECTRICAL POWER TO THE MACHINE AND FOLLOW LOCKOUT / TAGOUT PROCEDURES BEFORE CLEANING OR SERVICING.

MOTORS

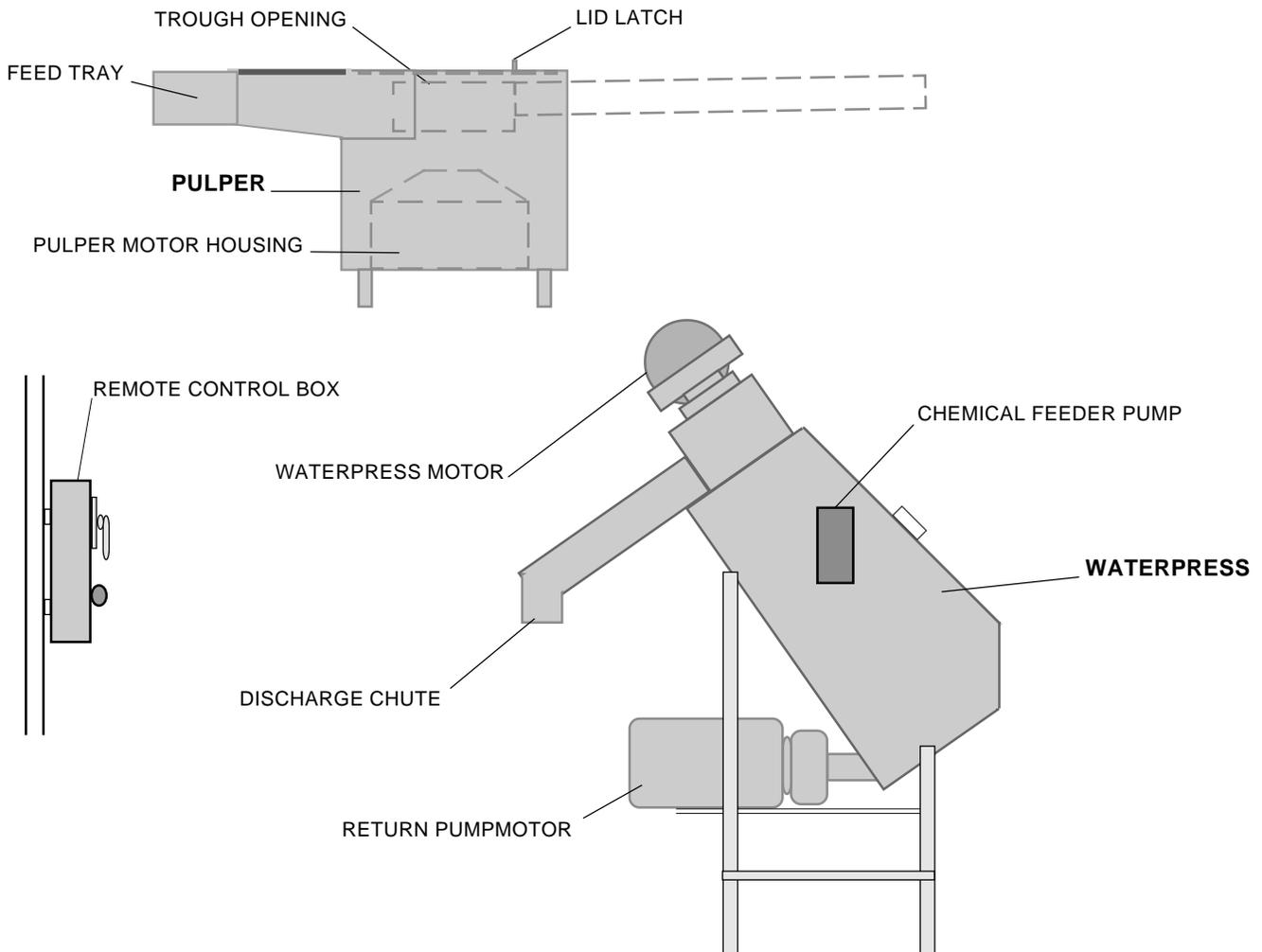
Motors should be kept free of dirt, and ventilation openings must not be restricted.

WATERPRESS DRIVE

The waterpress drive consists of a close coupled motor and speed reducer. The gears in the speed reducer run in an oil reservoir that must be checked every three months. With the machine stopped, remove the oil level plug. If the oil level is not high enough to drain out of the case, add a small quantity of Mobil Gear Oil #629 (Hobart Part Number: 103881-72) until it just starts to run out of the hole.

WATERPRESS TOP BEARING

The top bearing is equipped with a zerk fitting, and grease must be added monthly. Use a hand operated grease gun. Slowly dispense approximately one teaspoon of water repellent grease into the top bearing zerk fitting by squeezing the grease gun handle once.



TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSE	POSSIBLE CORRECTIVE ACTION
Machine will not start.	<ol style="list-style-type: none"> 1. Circuit breaker tripped at power supply. 2. Power handle on main control box is Off. 3. Pulper cover not in proper position. 4. Discharge chute lid not in proper position. 5. No water or not enough water in machine. 6. Overload is tripped. 	<ol style="list-style-type: none"> 1. Reset circuit breaker. 2. Turn handle to On position. 3. Put pulper cover in proper position. 4. Put discharge chute lid in proper position. 5. See "No water or no water make-up." 6. Reset overload.
No water or no water make-up.	<ol style="list-style-type: none"> 1. Water supply off. 2. Drain valve open or leaking. 	<ol style="list-style-type: none"> 1. Turn water supply on. 2. Close drain valve. Repair if leaking.
Pulper jammed.	<ol style="list-style-type: none"> 1. Pulper overloaded. 2. Pulping disc jammed with scrap metal or heavy material. 	<ol style="list-style-type: none"> 1. Turn machine off at main control panel. Clean out and restart. 2. Turn machine off at main control panel. Remove metal or material. If material cannot be removed, call Service.
Waterpress jammed.	<ol style="list-style-type: none"> 1. Discharge chute outlet obstructed. 2. Hardened plug in waterpress. 3. Trash container is full and pulp is backing up in discharge chute. 	<ol style="list-style-type: none"> 1. Turn machine off at main control panel. Remove residual pulp. 2. Remove hardened waste material. 3. Empty trash container and remove loose pulp from discharge chute.
Will not drain or drains very slowly.	<ol style="list-style-type: none"> 1. Pulper full of unpulped material. 2. Drain clogged. 	<ol style="list-style-type: none"> 1. Run pulper until pulp has been processed. If it will not process the material, turn the machine off and clean out the pulper tank. 2. Use water pressure to eliminate clog.
Excessive foaming.	<ol style="list-style-type: none"> 1. Pulping of certain materials, such as glossy paper, cardboard, and potatoes will produce large quantities of foam. 2. Excessive deodorizer or detergent. 	<ol style="list-style-type: none"> 1. Add defoaming agent. 2. Drain machine and refill with fresh water. 3. Turn pulper off when not feeding machine.
No overflow from drain fitting.	<ol style="list-style-type: none"> 1. Clogged overflow fitting. 	<ol style="list-style-type: none"> 1. Clean overflow fitting with bottle brush.
Pulp coming out of waterpress is too wet.	<ol style="list-style-type: none"> 1. Screen clogged. 	<ol style="list-style-type: none"> 1. Clean waterpress screen. 2. Contact Hobart Service.

SERVICE

Contact your local Hobart-authorized service office for any repairs or adjustments needed on this equipment.

INSTRUCTIONS

WPS1260 WastePro™ WASTE EQUIPMENT SYSTEM

MODEL

WPS1260

ML-130287



701 S. RIDGE AVENUE
TROY, OHIO 45374-0001

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www.hobartcorp.com

FORM 47601 (June 2016)

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Installation, Operation and Care of WPS1260 WastePro™ WASTE EQUIPMENT SYSTEM

SAVE THESE INSTRUCTIONS

GENERAL

The WPS1260 Waste Equipment System prepares waste materials for disposal using a self-contained pulper and a waterpress. Paper, plastic, foil and food waste are fed into the pulper, shredded into small pieces in water to make a slurry. The waterpress lifts the slurry using a stainless steel screw inside of a perforated tubular screen. The water passes through the screen and is pumped back to the pulper. The solids continue up the screw where they are further compacted to a semi-dry pulp, exiting through the discharge chute to a waste container. Fresh make-up water is supplied to the pulper automatically through a solenoid valve. The original volume of waste material is reduced significantly.

The pulper has a 6 h.p. motor, stainless steel components, carbide and hardened stainless steel shredder blades. The 2 h.p. motor at the waterpress turns the stainless steel screw. A 3 h.p. motor and pump returns the process water to the pulper.

An optional feed tray (by Hobart) allows waste materials to be fed into the pulper. A feed trough (fabricated by tabling suppliers) allows waste materials and water to feed through an optional water-tight opening into the pulper. A flush nozzle with throttling valve (by Hobart) is an available option for the front end of the trough. A silver-saver sink (by others) can be installed in the feed trough; a silver saver magnet is an available option (by Hobart). Mounted below the trough, it restrains ferro-magnetic objects from entering into the pulper.

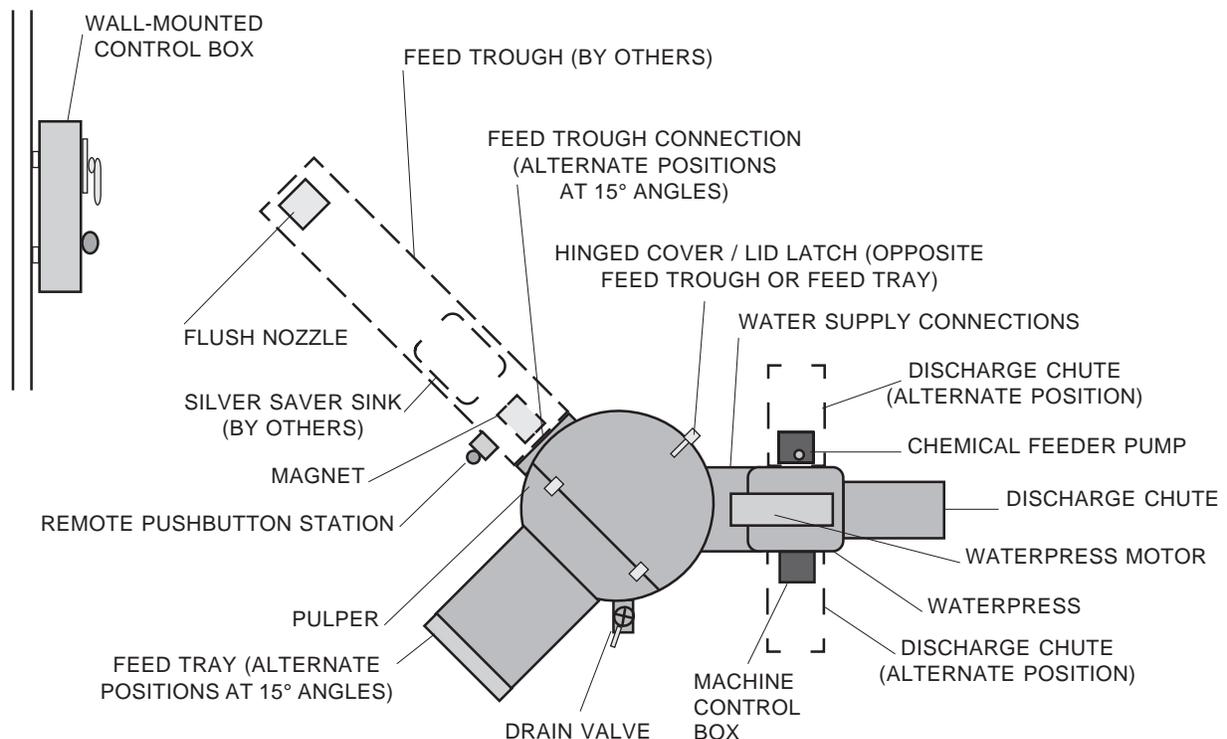


Fig. 1

INSTALLATION

Prior to installation, test the electrical service to assure that it agrees with the specifications on the machine data plate located on the front of the pulper.

UNPACKING

Immediately after unpacking, check for possible shipping damage. If the unit is found to be damaged, save the packaging material and contact the carrier within 5 days of delivery.

LOCATION

Locate the waste system near a floor drain; floor should be pitched a minimum of $\frac{1}{4}$ " per foot to the floor drain. A suitable amount of space should be provided for machine operation, cleaning and service.

VIBRATION ISOLATION FOOTPADS AND LEVELING

Vibration isolation footpads (standard — Fig. 2) must be installed on each of the six legs of the waste system before making connections. Level the units by threading the adjustable feet up or down as necessary.

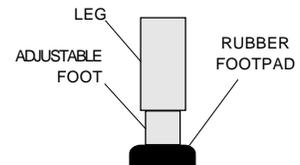


Fig. 2

CHEMICAL FEEDER PUMP (STANDARD)

The chemical feeder pump is mounted on the waterpress. It has its own on-off switch. When on, the chemical feeder pumps a chemical additive into the waterpress to control odors, to buffer the acidity of the system water and to reduce foaming. Contact your chemical supplier for a recommendation for the appropriate chemical additive. The recommended chemical pump setting is #1 which delivers 0.3 gallons per day. Each subsequent setting number is a direct multiple of setting #1. For example, setting #2 delivers 0.6 gallons per day, etc.

Insert the chemical tube with the plastic filter into the chemical container.

THE FOLLOWING PARTS MAY BE INCLUDED (DEPENDING ON OPTIONS SELECTED)

- 1 Nozzle for trough flush, rectangular piece has pipe thread with locknut on back.
- 1 Magnet (option) for trough.
- 6 Black Rubber Vibration Isolators for the legs; and a package of
- 6 Stainless steel screws (10-32 x $1\frac{1}{2}$ ") with nuts, washers and lockwashers.
- 1 Black Rubber Gasket slit curtain for trough opening; which also includes approximately
- 16 Stainless steel screws (10-32 x $\frac{1}{2}$ ") with nylon stop nuts.
- 1 Push-button Station with Start, Stop and Timed Stop switches (second p/b station is an option).
- 1 Remote Control Box (for wall mounting).

SILVER SAVER — BY OTHERS (TROUGH EQUIPPED UNITS ONLY)

Silver saver sink to be fabricated into trough by others. It is recommended that a drain be provided in the silver saver sink and plumbed to a floor drain (by others). A shut-off valve must be installed in this drain line (provided and installed by others).

TROUGH GASKET (TROUGH EQUIPPED UNITS ONLY)

Install the trough gasket between the pulper's Trough Flange and the trough outlet on the table. Drill a hole pattern in the pulper's Trough Opening flange to match the hole pattern of the trough outlet flange; secure with the provided hardware.

OPTIONAL MAGNET FOR SILVER SAVER (TROUGH EQUIPPED UNITS ONLY)

Install the magnet underneath the trough by tack welding to the under side. Alternatively, drill four 7/32" diameter holes in the trough, and secure the magnet with the hardware provided; seal the heads of the screws with silicone sealant. Refer to Fig. 3 for position of the magnet; refer to Fig. 4 for mounting detail.

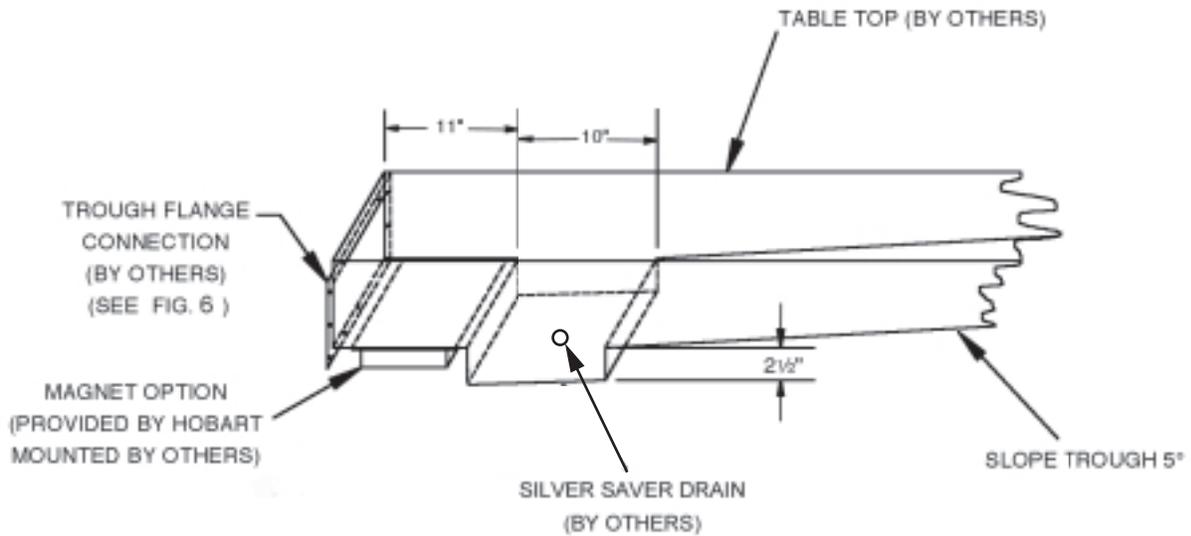


Fig. 3

MAGNET MOUNT DETAIL

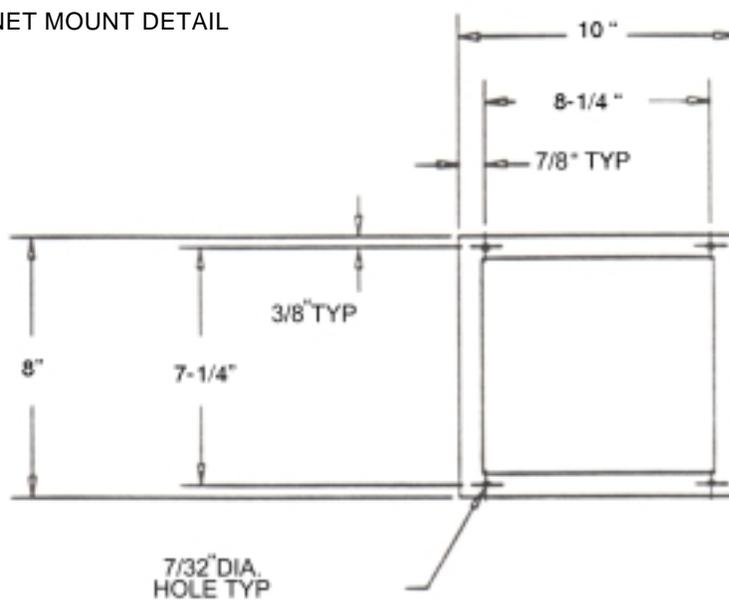


Fig. 4

TROUGH PIPING DETAIL (TROUGH EQUIPPED UNITS ONLY)

Install piping from the return water outlet on the end of the pulper motor housing to the trough flush nozzle as shown, (Fig. 5).

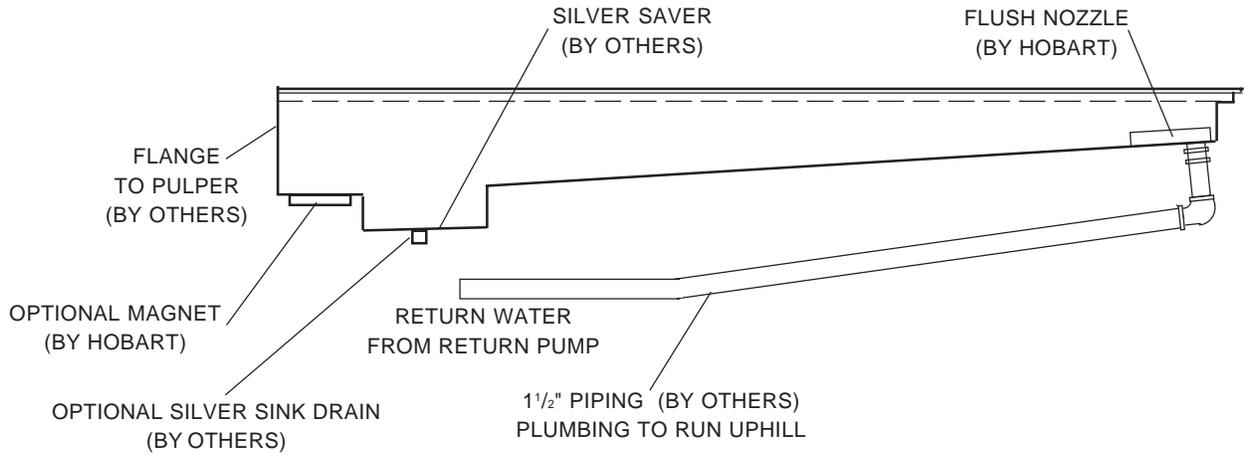


Fig. 5

FLANGE DETAIL

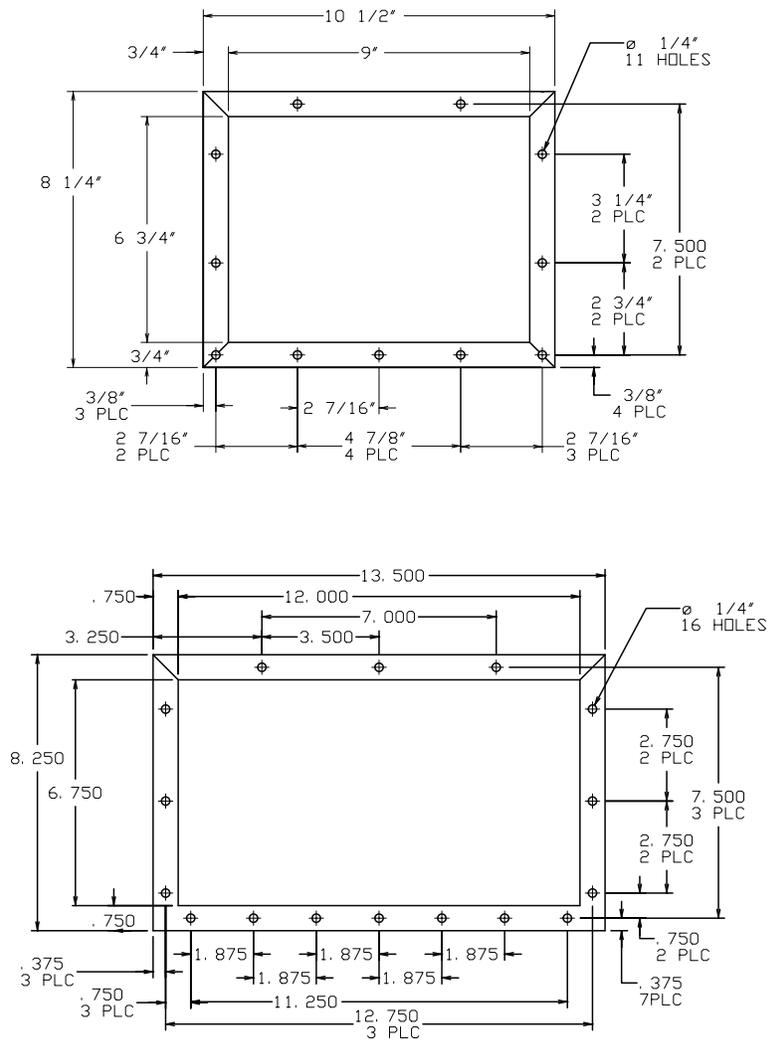


Fig. 6

PLUMBING CONNECTIONS

WARNING: PLUMBING CONNECTIONS MUST COMPLY WITH APPLICABLE SANITARY, SAFETY AND PLUMBING CODES.

- 1) Piping for fresh water lines and drain lines are not provided by Hobart.
- 2) Pipe sizes are to be in accordance with Hobart recommendations.
- 3) All fittings must be pressure rated drainage type.
- 4) Keep drains accessible to machine. Do not install drains directly under Hobart equipment.
- 5) Do not put any external strain on the Hobart equipment.
- 6) Protect all Hobart equipment and piping from freezing and condensation.

Water Connection

Connect the cold water supply to the 1/2" NPT internal-thread connector to the labeled port between the pulper and the waterpress with a manual shut-off valve. Incoming water pressure must be between 25 psig and 45 psig flowing.

Connect the hot water supply to the 1/2" NPT internal-thread connector to the labeled port between the pulper and the waterpress with a manual shut-off valve. Incoming water pressure must be between 25 psig and 45 psig flowing.

Drain Connection

Install 2" pipe from the pulper drain valve to a suitable floor drain per local code. Use an open connection to the floor drain. Do not make a direct plumbing connection. DO NOT REDUCE.

Waterpress Overflow Connection

Install 1 1/2" pipe from waterpress overflow to a suitable floor drain per local code. Use an open connection to the floor drain. Do not make a direct plumbing connection. DO NOT REDUCE.

ELECTRICAL CONNECTIONS

WARNING: ELECTRICAL AND GROUNDING CONNECTIONS MUST COMPLY WITH APPLICABLE PORTIONS OF THE NATIONAL ELECTRICAL CODE AND/OR OTHER LOCAL ELECTRICAL CODES.

WARNING: DISCONNECT THE ELECTRICAL POWER TO THE MACHINE AND FOLLOW LOCKOUT / TAGOUT PROCEDURES.

Refer to the electrical diagram located inside the wall-mounted control box.

The wall-mounted control box must be located away from the pulper and waterpress. Mount the wall-mounted control box (NEMA 4) so that the bottom of the box is at least 42" above the finished floor. To facilitate field wiring, terminal blocks are provided in both the wall-mounted control box and the machine control box located on the waterpress. Conduit and wiring (by others) should be installed according to the electrical diagram and the information on pages 8 and 9.

The incoming electrical power supply should be connected to the wall-mounted control box after the interconnections are made between the wall-mounted control box and the machine control box; terminals in each box are the same. This includes the ground wire.

Remote Push-Button Station (Standard)

One or more remote pushbutton station(s) with Start and Stop switches and the Timed Stop switch may be provided as ordered. These should be installed in a suitable and convenient location per local codes and the electrical diagram. Install the remote push-button station(s) on the the dish table or at another convenient location (Fig. 8).

Motor Rotation

The Pulper motor, the Waterpress motor, and the Return Pump motor must be checked for correct rotation after the machine has filled. Arrows are provided to indicate the correct directions of motor rotation.

To check motor rotation, turn power on. Start and Stop the machine. Observe direction of motors.

If incorrect direction of rotation is observed, **DISCONNECT ELECTRICAL POWER SUPPLY**. Interchange two power supply leads to the motor connection terminal block, in the prewired machine control box. The overloads may need to be reset. Close the electrical access panels. Reconnect electrical power. Turn the machine on momentarily to verify correct motor rotation.

Electrical Installation

Refer to the wiring diagram shipped with the machine in the Remote Control Box.

- 1) Prewired control panels, operator devices and electric valves are furnished by Hobart.
- 2) Install 1 1/4" watertight conduit from the wall-mounted control box to the prewired machine control box, pull motor wires and control wires through this conduit and make the final connections.
- 3) Ground all electrical equipment. Transformer produces a 115 VAC nominal control circuit voltage. The PLC produces 24 VDC circuit voltage.
- 4) Remote push-button station(s) to be mounted and wired at workstation by others. Bracket(s) for mounting push-button station(s) to be supplied by others.
- 5) Each push-button station houses two (2) illuminated push buttons plus a Timed Stop switch.
- 6) Control logic wiring shall be 18 AWG (THW) or equivalent for distances less than 120 feet.

OPERATION

WARNING: ROTATING PARTS INSIDE. KEEP HANDS OUT. DO NOT OPERATE WITHOUT: 1. ELECTRICAL INTERLOCK ON PULPER COVER AND/OR 2. ELECTRICAL INTERLOCK ON WATERPRESS DISCHARGE CHUTE. COVER MUST BE CLOSED AND THE DISCHARGE CHUTE MUST BE IN PLACE BEFORE UNIT WILL OPERATE.

WARNING: DISCONNECT ELECTRICAL POWER TO THE MACHINE AND FOLLOW LOCKOUT / TAGOUT PROCEDURES BEFORE CLEANING OR SERVICING.

CONTROLS

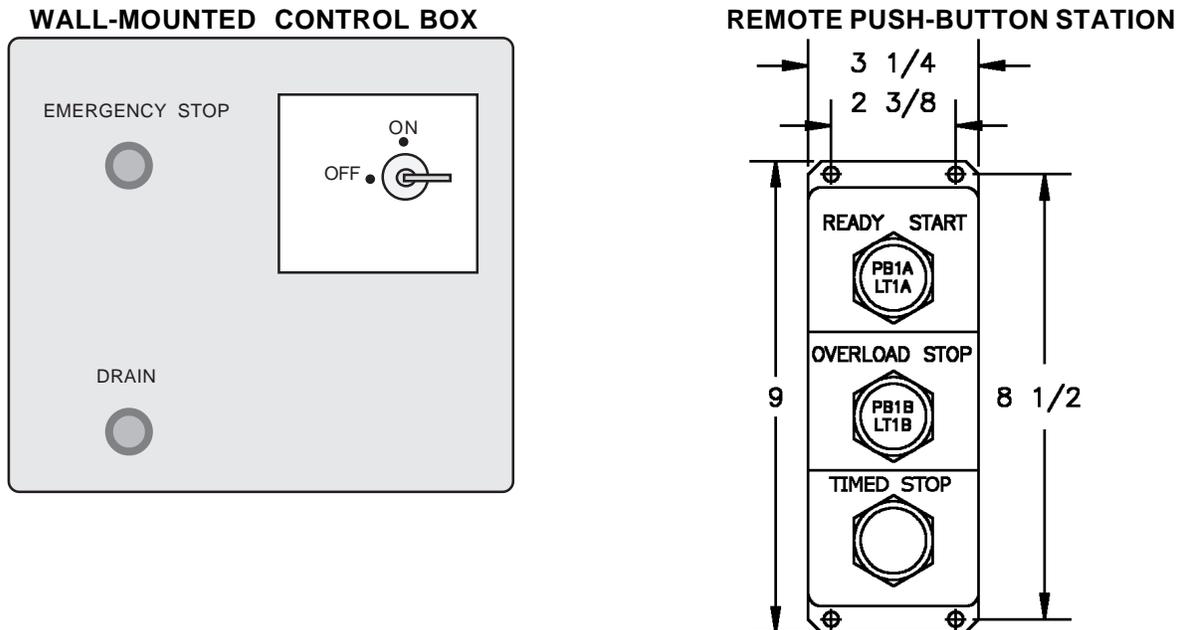


Fig. 8

To start the system, make sure the main power switch on the wall-mounted control box is in the ON position.

1. The hinged cover or undercounter cover plate must be closed (when equipped). Ensure the waterpress access cover is installed and the waterpress discharge chute cover is lowered.
2. Push the START button. The machine begins to fill with water. During the initial fill, the green start button light will flash. When the machine has filled to the proper level, the green start button light will illuminate solid.
3. Press the START button and wait until there is a continuous flow of water in the trough and/or feed tray (flush valves must be open and adjusted for proper throttling level if so equipped).
4. Begin feeding waste into the trough and/or feed tray.
5. To stop operation, press the STOP button.

FEEDING INSTRUCTIONS

Applications will vary widely; however, the following conditions could occur and should be monitored.

1. **Overfeeding.** The waste system is designed for continuous uniform feeding. The feed rate should not exceed 60 pounds in a three minute period. Overfeeding reduces the machine's rated operating capacity. **DO NOT OVERFEED.**

If waste material is delivered in large plastic bags, tear open the bag and feed one at a time. Unopened bags can fill with air and float, hampering machine operation.
2. **Foaming** is caused by contaminants in the water or by certain materials in the waste, such as glue in corrugated cardboard. Chemical defoaming agent can be added to reduce this condition; consult your chemical supplier.
3. **Corrosion.** If the water and / or waste is running in an acidic or alkaline condition, use of a buffering agent is recommended to neutralize the water. Regular testing is recommended since rapid corrosion due to acidic or alkaline conditions can result in costly repairs.
4. **Freezing.** Protect all equipment and piping from freezing. Insulation and heating cables should be used where equipment or piping is exposed.
5. **Non-Pulpables** (items that cannot be made into pulp). The WPS1260 Pulper is designed to handle a limited amount of non-pulpable materials. Lighter non-pulpable items are eventually cut and processed with the pulp; heavier materials settle to the bottom of the tank.
 - DO NOT FEED glass or metal containers; if present in the plastic bags, sort them out. Glass and metal containers are highly abrasive and accelerate machine wear. It is better to recycle glass or metal containers using a can or bottle crusher to reduce the volume.
 - DO NOT FEED rags, mop heads, wooden crates, oyster, or clam shells or heavy uncooked bones to the pulper. The waste system cannot efficiently reduce the volume of these items.

Caution: Heavy masonry materials, tramp iron and other materials of this nature can damage the cutters and seriously impair the pulper's ability to handle material of any kind.

Occasionally the amount of non-pulpable materials in the pulper tank may become excessive because of their slower processing rate. When this happens, press the STOP button and disconnect the electrical power. After machine is stopped, scoop out the non-pulpable materials. Then re-start the machine in the normal way.

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

During normal operation, there should be a strong flow of water returning to the pulper via trough and/ or tray flush from the waterpress. This flow is a clue to the performance of the machine since a sharp reduction in this flow indicates the pulper is overloaded. If this occurs, stop feeding for a few minutes until return water resumes its normal flow.

Avoid slugging the machine with greasy swill or overloading the pulper with bread or pastry. Mix these items with bulky waste such as paper or corrugated boxes. The pulper will always perform better with clean water. It is good practice to drain the machine of dirty water after every meal period.

It is recommended that the discharge receptacle (garbage can) not be taller than the bottom of the discharge chute. Empty receptacle whenever necessary.

SHUTDOWN PROCEDURE

The following shutdown procedure must be followed before performing necessary cleaning and maintenance duties.

1. With the pulper still running, push the Timed Stop switch to permit the system to be shut down automatically. The pulper will stop when the shutdown timer has timed out. Do not add additional waste when the unit is operating in the Timed Stop cycle. If additional material needs to be added after the Timed Stop cycle has started, push the Timed Stop switch at any time and return to normal feeding.
2. Press the drain switch on the control panel to allow the unit to drain. Wait 30 seconds before proceeding to step 3.
3. Turn off the electrical power by turning the main power switch on the remote control box to the OFF position.

CLEANING

Cleaning requires only a few minutes daily, but must be done on a regular basis and proper facilities must be available. **NOTE:** If daily cleaning schedules are not followed, the machine will become unsightly and odors will develop and machine performance may decrease. A hose with a good quality, lever-operated nozzle should be available, preferably with hot water, for clean-up of both the machine and the surrounding area.

Cleaning Instructions

Shut down the machine per Shutdown Procedure above.

WARNING: DISCONNECT ELECTRIC POWER SUPPLY AT MAIN CONTROL BOX; PLACE A TAG AT THE DISCONNECT SWITCH INDICATING THAT YOU ARE WORKING ON THE CIRCUIT; AND WAIT FOR THE PULPER DISK TO COME TO A COMPLETE STOP BEFORE PERFORMING ANY CLEANING PROCEDURES.

1. Clean the pulper tank of any non-pulpable material. Use care, glass or other sharp items may be present in the pulper.
2. Wash the interior of the tank with a hose, suitable brush, detergent and deodorant or other cleaning solution. Be sure to clean the underside of the upper tank flange.
3. Using a spray hose, wash down the waterpress screen and interior walls of the waterpress and pulper tank. A long-handled, nylon bristle brush is recommended. Avoid spraying the chemical pump and control box mounted on the waterpress.
4. Wipe down the equipment exterior.
5. It is not necessary to dig out the plug of pulp remaining at the top of the waterpress screw. After the machine has been cleaned, wash down the floor. Replace all removed parts. The system is now ready to be started.

Cleaning Compounds

Cleaning compounds used with the WPS1260 waste system should combine five important features: Detergency, disinfection, pH buffering, odor control and bio-degradability.

Consult your chemical supplier for recommendations.

MAINTENANCE

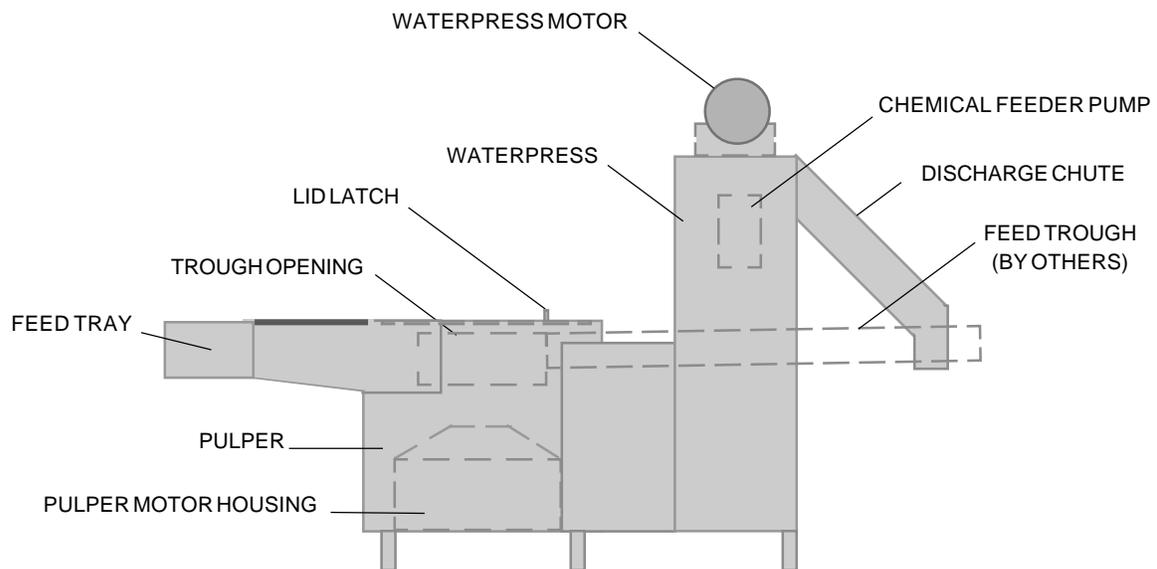
WARNING: DISCONNECT ELECTRICAL POWER TO THE MACHINE AND FOLLOW LOCKOUT / TAGOUT PROCEDURES BEFORE CLEANING OR SERVICING.

MOTORS

Motors should be kept free of dirt, and ventilation openings must not be restricted.

WATERPRESS DRIVE

The waterpress drive consists of a close coupled motor and speed reducer. The gears in the speed reducer run in an oil reservoir that must be checked every three months. With the machine stopped, remove the oil level plug. If the oil level is not high enough to drain out of the case, add a small quantity of Mobil Gear Oil #629 (Hobart Part Number: 103881-72) until it just starts to run out of the hole.

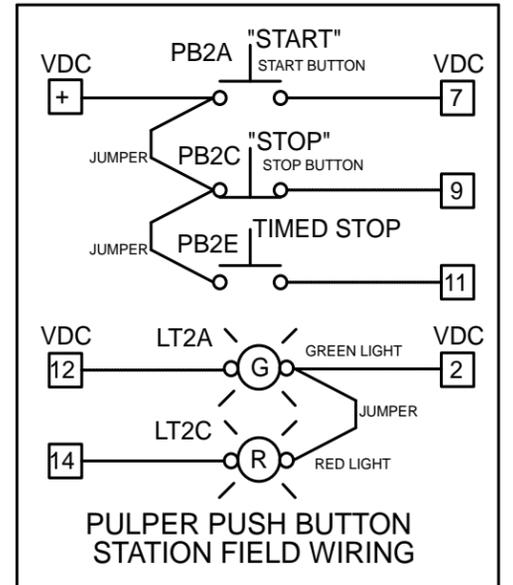
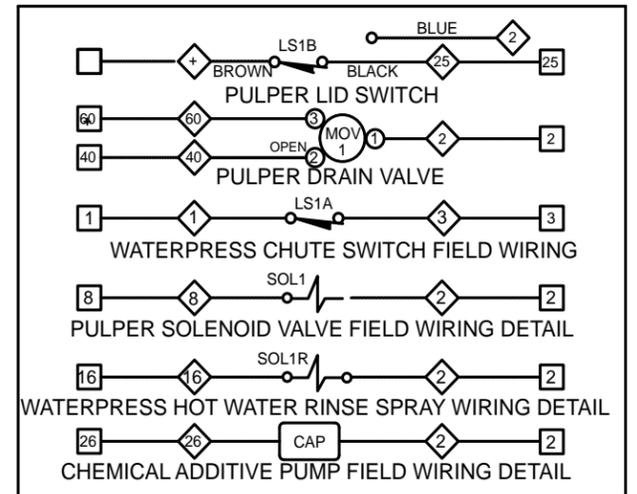
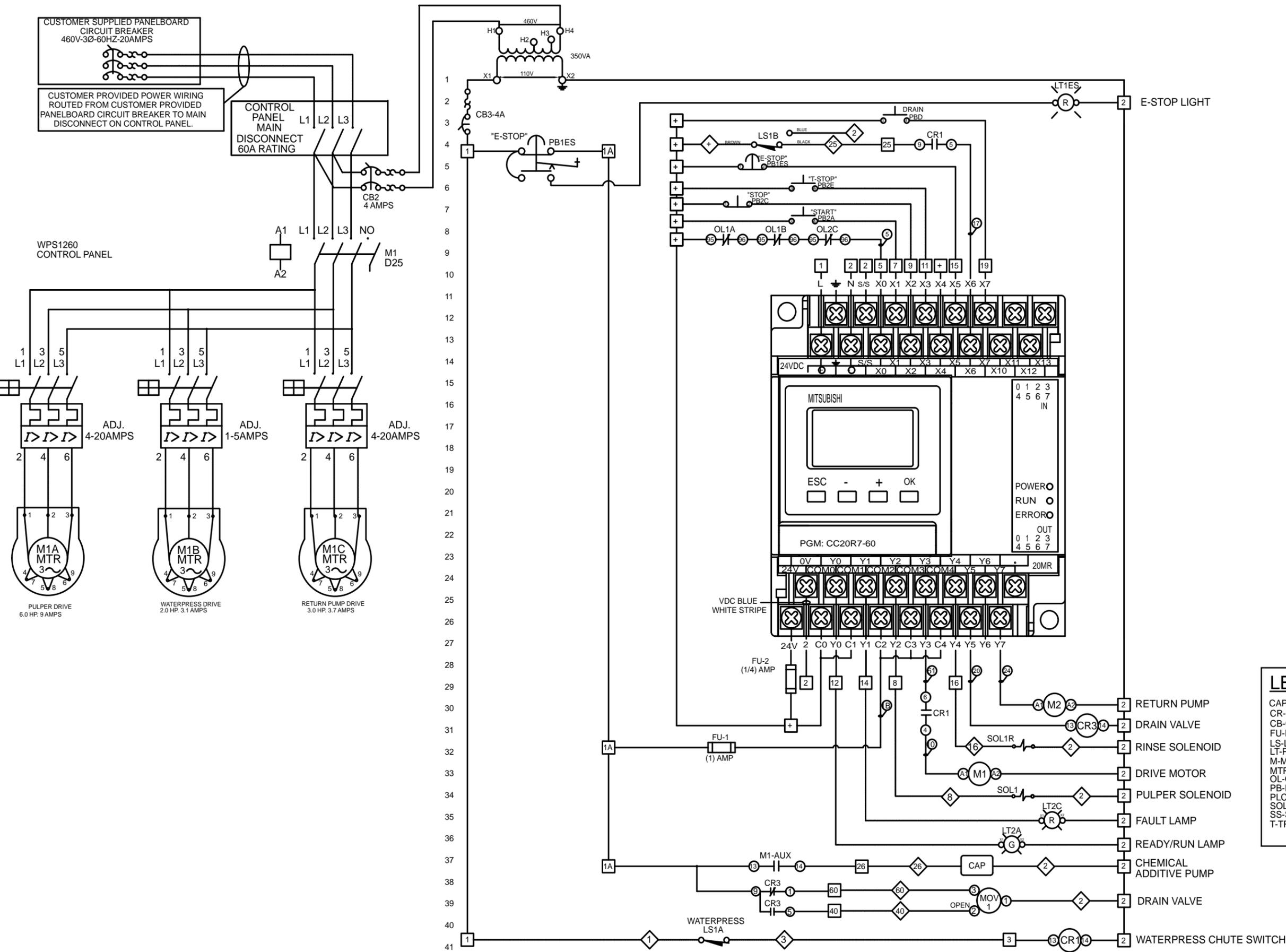


TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSE	POSSIBLE CORRECTIVE ACTION
Machine will not start.	<ol style="list-style-type: none"> 1. Circuit breaker tripped at power supply. 2. Power handle on main control box is Off. 3. Pulper cover not in proper position. 4. Discharge chute lid not in proper position. 5. No water or not enough water in machine. 6. Overload is tripped. 	<ol style="list-style-type: none"> 1. Reset circuit breaker. 2. Turn handle to On position. 3. Put pulper cover in proper position. 4. Put discharge chute lid in proper position. 5. See "No water or no water make-up." 6. Reset overload.
No water or no water make-up.	<ol style="list-style-type: none"> 1. Water supply off. 2. Drain valve open or leaking. 	<ol style="list-style-type: none"> 1. Turn water supply on. 2. Close drain valve. Repair if leaking.
Pulper jammed.	<ol style="list-style-type: none"> 1. Pulper overloaded. 2. Pulping disc jammed with scrap metal or heavy material. 	<ol style="list-style-type: none"> 1. Turn machine off at main control panel. Clean out and restart. 2. Turn machine off at main control panel. Remove metal or material. If material cannot be removed, call Service.
Waterpress jammed.	<ol style="list-style-type: none"> 1. Discharge chute outlet obstructed. 2. Hardened plug in waterpress. 3. Trash container is full and pulp is backing up in discharge chute. 	<ol style="list-style-type: none"> 1. Turn machine off at main control panel. Remove residual pulp. 2. Remove hardened waste material. 3. Empty trash container and remove loose pulp from discharge chute.
Will not drain or drains very slowly.	<ol style="list-style-type: none"> 1. Pulper full of unpulped material. 2. Drain clogged. 	<ol style="list-style-type: none"> 1. Run pulper until pulp has been processed. If it will not process the material, turn the machine off and clean out the pulper tank. 2. Use water pressure to eliminate clog.
Excessive foaming in waterpress.	<ol style="list-style-type: none"> 1. Pulping of certain materials, such as glossy paper, cardboard, and potatoes will produce large quantities of foam. 2. Excessive deodorizer or detergent. 	<ol style="list-style-type: none"> 1. Add defoaming agent. 2. Drain machine and refill with fresh water. 3. Turn pulper off when not feeding machine.
Pulp coming out of waterpress is too wet.	<ol style="list-style-type: none"> 1. Screen clogged. 	<ol style="list-style-type: none"> 1. Clean waterpress screen. 2. Contact Hobart Service.

SERVICE

Contact your local Hobart-authorized service office for any repairs or adjustments needed on this equipment.



LEGEND

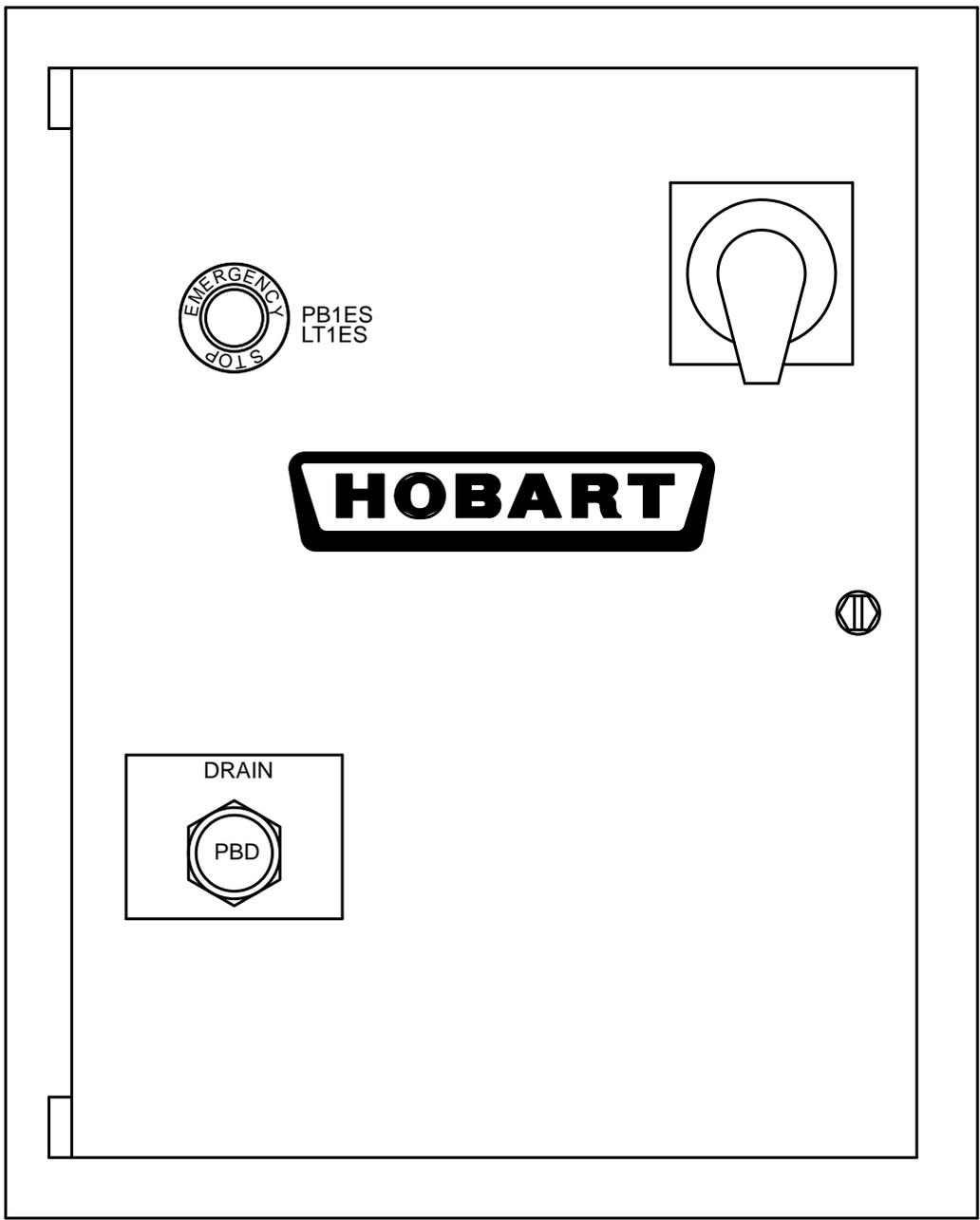
CAP-CHEM ADDIT PUMP	PANEL WIRING	_____
CR-CONTROL RELAY	BY HOBART	_____
CB-CIRCUIT BREAKER	UNIT WIRING	-----
FU-FUSE	BY HOBART	-----
LS-LIMIT SWITCH	FIELD WIRING	-----
LT-PILOT LIGHT (L.E.D.)	BY CUSTOMER	-----
M-MOTOR STARTER	TERMINAL BLOCK	25
MTR-MOTOR	TERMINAL	5
OL-OVERLOAD	TERMINAL BLOCK	25
PB-PUSHBUTTON	JUNCTION BOX	25
PLC-PROG. LOGIC CONTROLLER	TERMINAL BLOCK	25
SOL-SOLENOID VALVE	WIRE NUMBER	5
SS-SELECTOR SWITCH		
T-TRANSFORMER (CONTROL)		

WPS1260
 (Remote Push Button Undercounter 460V)
 Derived From HEXXXX (Common)

NOTES:

- 1) THIS IS A FIELD WIRING DIAGRAM. ALL WIRING SHOWN IS FOR FIELD INSTALLATION.
- 2) GROUND ALL ELECTRICAL EQUIPMENT
- 3) CONTROL CIRCUIT IS 24VDC AND 110VAC NOMINALLY.
- 4) ALL INSTALLATION WIRING TO BE DONE IN ACCORDANCE TO LOCAL, STATE AND/OR NATIONAL ELECTRIC CODE SPECIFICATIONS.
- 5) REMOTE PUSHBUTTON STATIONS TO BE MOUNTED & WIRED AT WORKSTATION BY CUSTOMER. IT IS AT THE DISCRETION OF THE INSTALLING ELECTRICIAN AS TO WHETHER THE PUSH BUTTON STATION IS WIRED TO THE PULPER JUNCTION BOX OR DIRECTLY TO THE CONTROL PANEL.
- 6) THE ENVIRONMENTAL RATING OF ANY FIELD INSTALLED CONDUIT HUBS MUST MATCH THE ENVIRONMENTAL RATING OF THE INDUSTRIAL CONTROL PANEL.
- 7) *****IT IS IMPORTANT FOR EASE OF MAINTENANCE & TROUBLESHOOTING THAT THE INSTALLING ELECTRICIAN LABEL ALL FIELD WIRES WITH THE SAME NUMBER AS THE TERMINAL BLOCK NUMBER - BOTH SIDES.

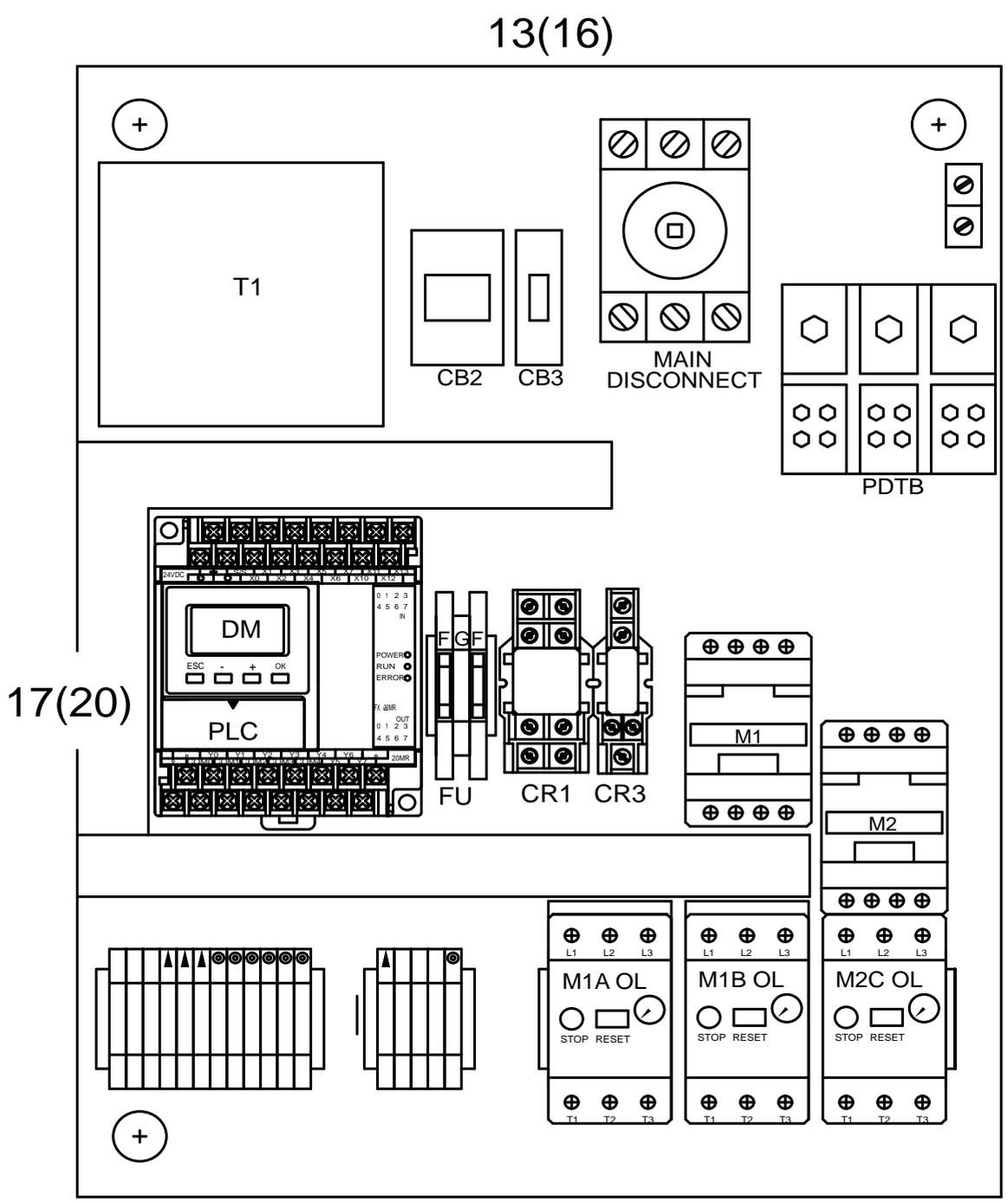
*NOTE: GROUND ALL MOTORS & APPLIANCES



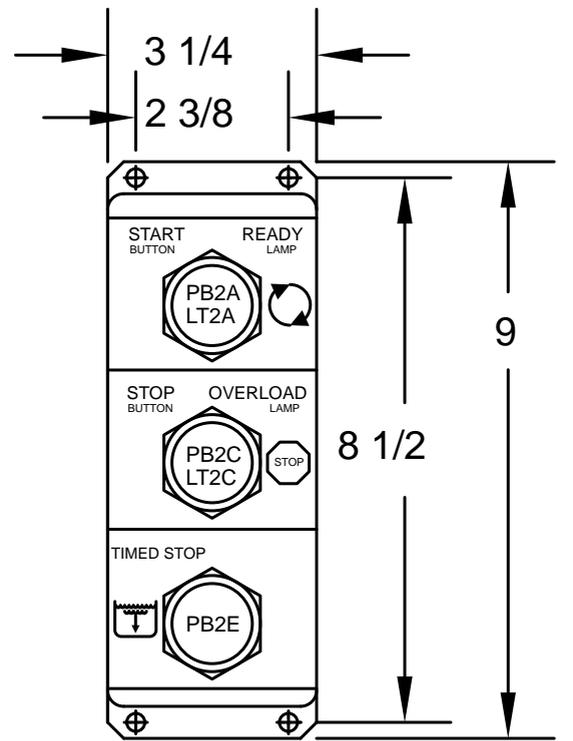
CONTROL PANEL ENCLOSURE DETAIL

DISPLAY MODULE SETPOINTS:

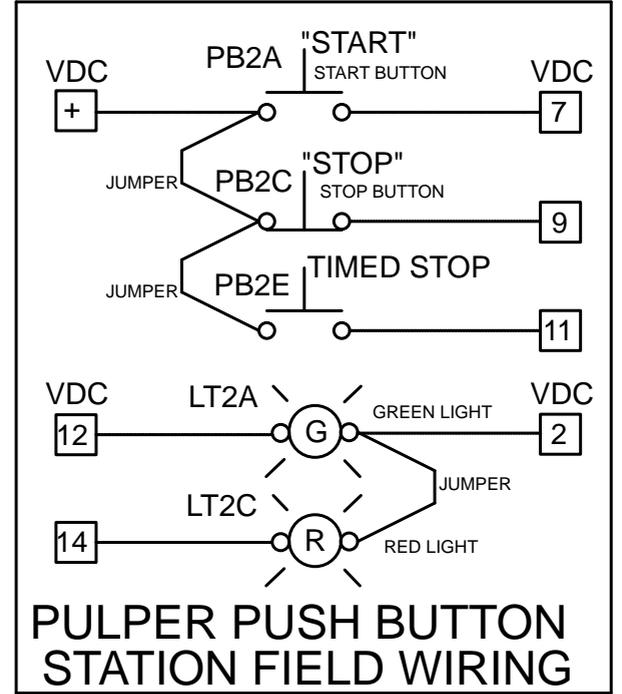
- THE SETPOINTS FOR THE CLOSE COUPLE PULPER SYSTEMS ARE AS FOLLOWS:
- D0 - PULPER WATER INITIAL FILL DURATION (SECONDS)
 - D1 - PULPER MAKEUP WATER DURING OPERATION
 - D2 - TIMED STOP DURATION (SECONDS)
 - D3 - RETURN PUMP START DELAY (SECONDS)
 - D4 - AUX FILL DURATION (OPTIONAL WITH AUX. PUMP)
 - D5 - PULPER HOURS OF OPERATION
 - D6 - PULPER MINUTES OF OPERATION
 - D7 - PULPER SECONDS OF OPERATION (DISPLAYED IN 1/10THS OF SECOND)



CONTROL PANEL DETAIL



REMOTE PUSH BUTTON STATION



PULPER PUSH BUTTON STATION FIELD WIRING

WPS1260
(Remote Push Button Undercounter 460V)

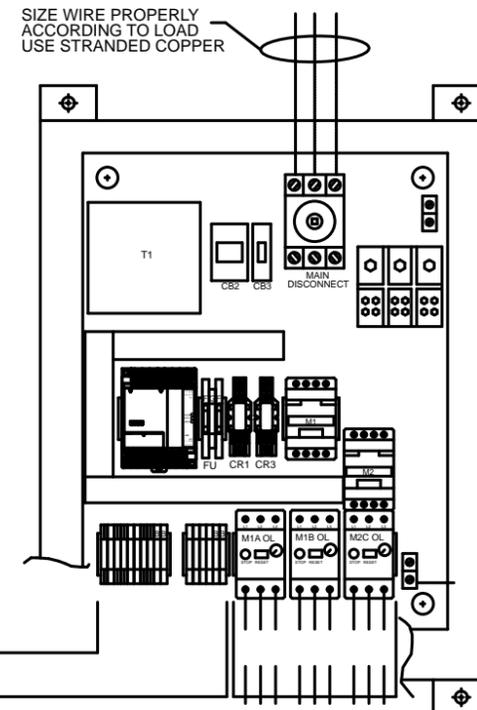
Derived From HEXXXX (Common)



PULPER CONTROL PANEL

CUSTOMER POWER SUPPLY

SIZE WIRE PROPERLY
ACCORDING TO LOAD
USE STRANDED COPPER



THESE ARE THE CONTROL CONDUCTORS REQUIRED BETWEEN THE PULPER JUNCTION BOX AND THE PULPER CONTROL PANEL. THESE CONDUCTORS SHOULD BE 18AWG MINIMUM, STRANDED COPPER. ***THESE CONDUCTORS SHOULD BE ROUTED SEPARATELY FROM THE MOTOR CONDUCTORS DISPLAYED BELOW.

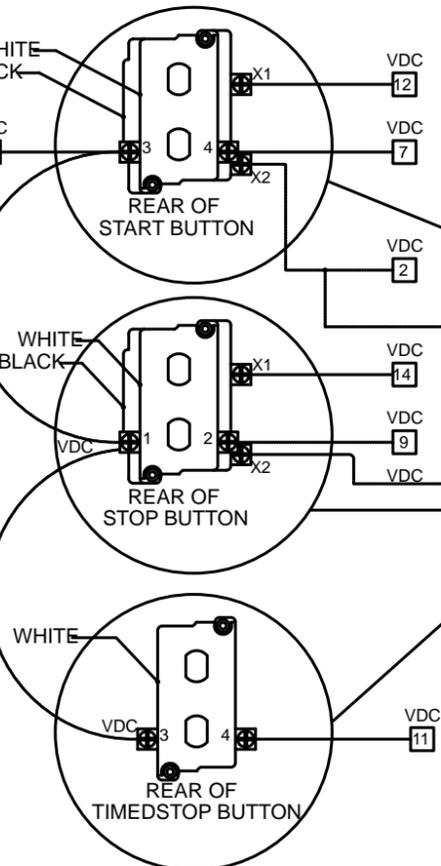
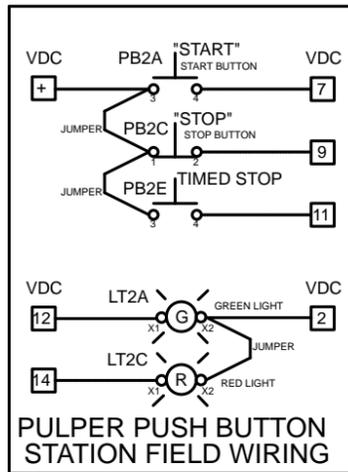
NOTES:

- 1) THIS IS A FIELD WIRING DIAGRAM. ALL WIRING SHOWN IS FOR FIELD INSTALLATION.
- 2) GROUND ALL ELECTRICAL EQUIPMENT
- 3) CONTROL CIRCUIT IS 24VDC AND 110VAC NOMINALLY.
- 4) ALL INSTALLATION WIRING TO BE DONE IN ACCORDANCE TO LOCAL, STATE AND/OR NATIONAL ELECTRIC CODE SPECIFICATIONS.
- 5) REMOTE PUSHBUTTON STATIONS TO BE MOUNTED & WIRED AT WORKSTATION BY CUSTOMER. IT IS AT THE DISCRETION OF THE INSTALLING ELECTRICIAN AS TO WHETHER THE PUSH BUTTON STATION IS WIRED TO THE PULPER JUNCTION BOX OR DIRECTLY TO THE CONTROL PANEL.
- 6) THE ENVIRONMENTAL RATING OF ANY FIELD INSTALLED CONDUIT HUBS MUST MATCH THE ENVIRONMENTAL RATING OF THE INDUSTRIAL CONTROL PANEL.

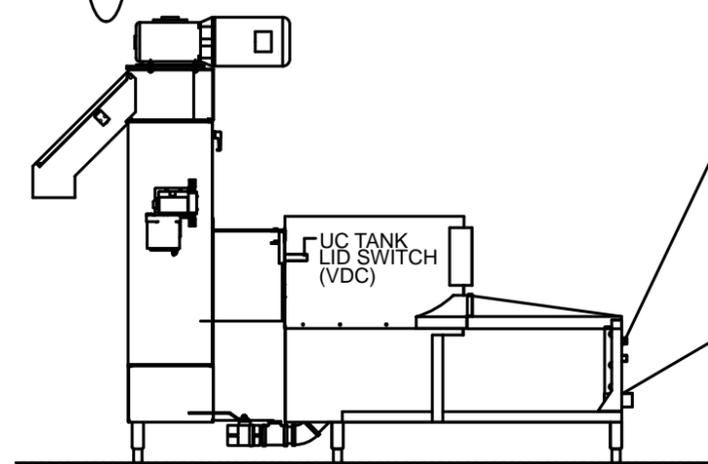
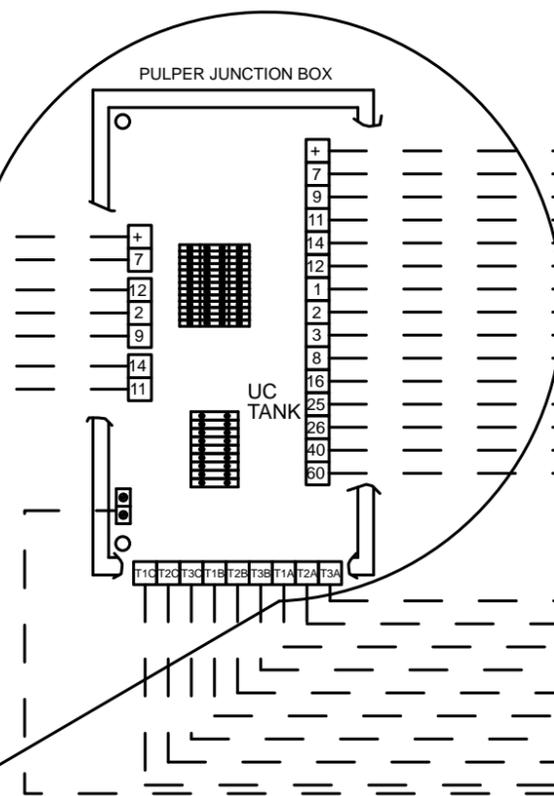
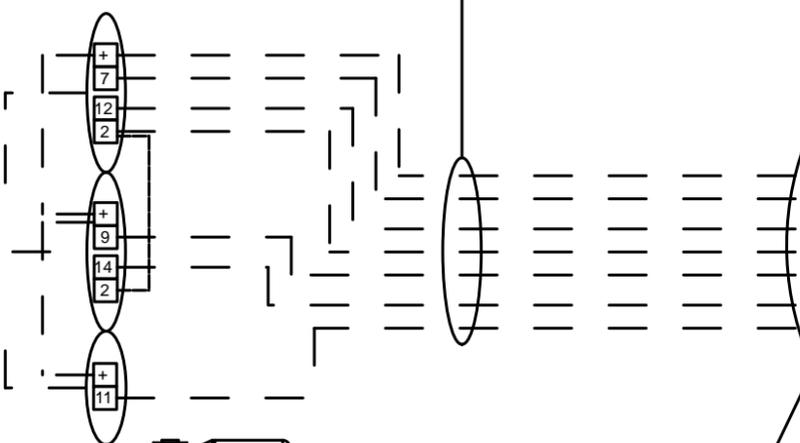
LABEL ALL FIELD WIRES WITH THE SAME NUMBER AS THE TERMINAL BLOCK NUMBER - BOTH SIDES.

*NOTE: GROUND ALL MOTORS & APPLIANCES

IT IS THE DISCRETION OF THE ELECTRICAL INSTALLER AS TO WHETHER THE PUSH BUTTON STATION WIRING NEEDS TO GO THROUGH THE PULPER JUNCTION BOX. THE PHYSICAL LOCATION OF THE REMOTE PUSH BUTTON STATION MAY BE CAUSE FOR THE INSTALLER TO WIRE FROM THE REMOTE PUSH BUTTON STATION DIRECTLY TO THE PULPER CONTROL PANEL. IT IS THE INSTALLER'S DECISION. IF THE REMOTE PUSH BUTTON STATION IS WIRED TO THE PULPER JUNCTION BOX, THESE CONDUCTORS ARE REQUIRED BETWEEN THE PULPER JUNCTION BOX AND THE REMOTE PUSH BUTTON STATION. THESE CONDUCTORS SHOULD BE 18AWG MINIMUM, STRANDED COPPER.

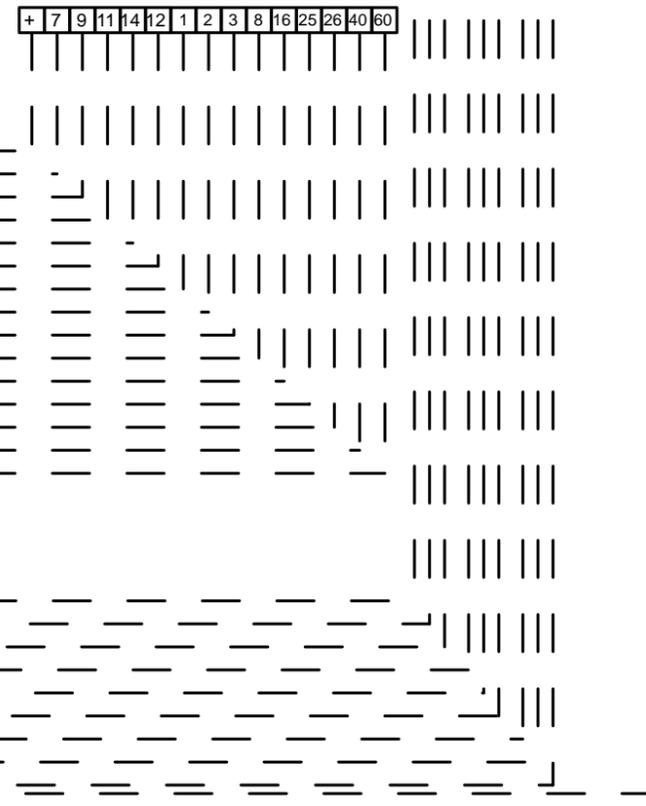


REMOTE PUSH BUTTON STATION



ELEVATION VIEW
GENERAL PULPER ARRANGEMENT
**ACTUAL MACHINE CONFIGURATION MAY VARY

THESE ARE THE MOTOR POWER CONDUCTORS REQUIRED BETWEEN THE PULPER JUNCTION BOX AND THE PULPER CONTROL PANEL. THESE CONDUCTORS SHOULD BE SIZED ACCORDING TO THE SITE VOLTAGE AND MOTOR LOAD. ***THESE CONDUCTORS SHOULD BE ROUTED SEPARATELY FROM THE CONTROL CONDUCTORS DISPLAYED ABOVE.

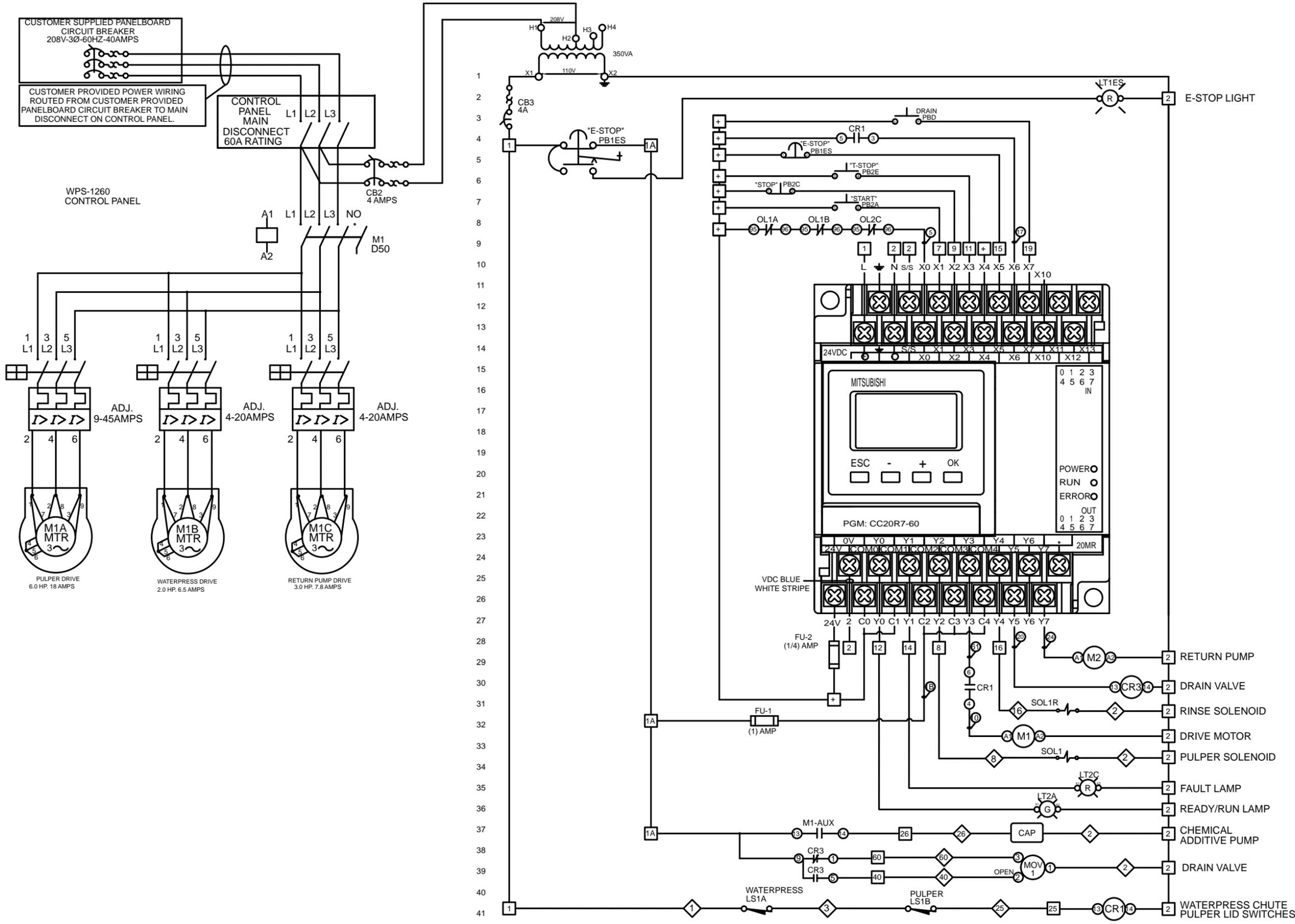


LEGEND

- FIELD WIRING BY CUSTOMER
- TERMINAL BLOCK

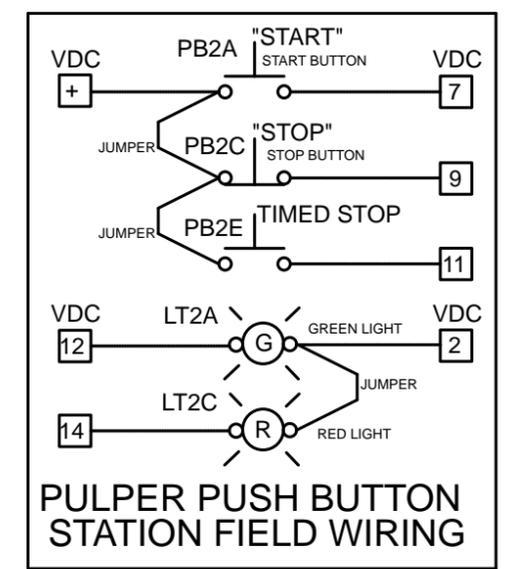
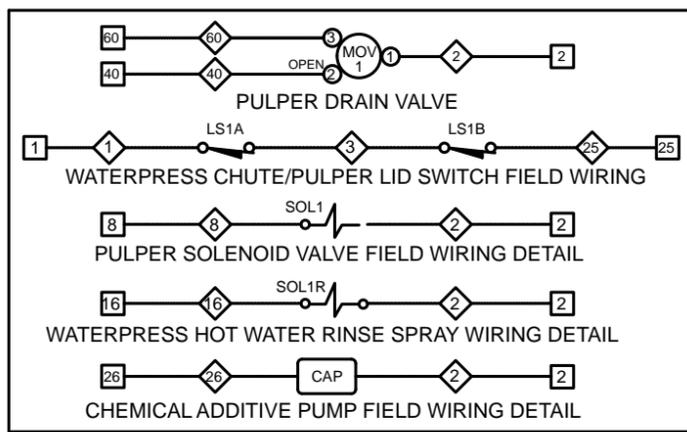
WPS1260
(Remote Push Button Undercounter 460V)

Derived From HEXXXX (Common)



LEGEND

CAP-CHEM ADDIT PUMP	PANEL WIRING
CR-CONTROL RELAY	BY HOBART
CB-CIRCUIT BREAKER	UNIT WIRING
FU-FUSE	BY HOBART
LS-LIMIT SWITCH	FIELD WIRING
LT-PILOT LIGHT (L.E.D.)	BY CUSTOMER
M-MOTOR STARTER	TERMINAL BLOCK
MTR-MOTOR	TERMINAL
OL-OVERLOAD	JUNCTION BOX
PB-PUSHBUTTON	TERMINAL BLOCK
PLC-PROG. LOGIC CONTROLLER	
SOL-SOLENOID VALVE	
SS-SELECTOR SWITCH	
T-TRANSFORMER (CONTROL)	

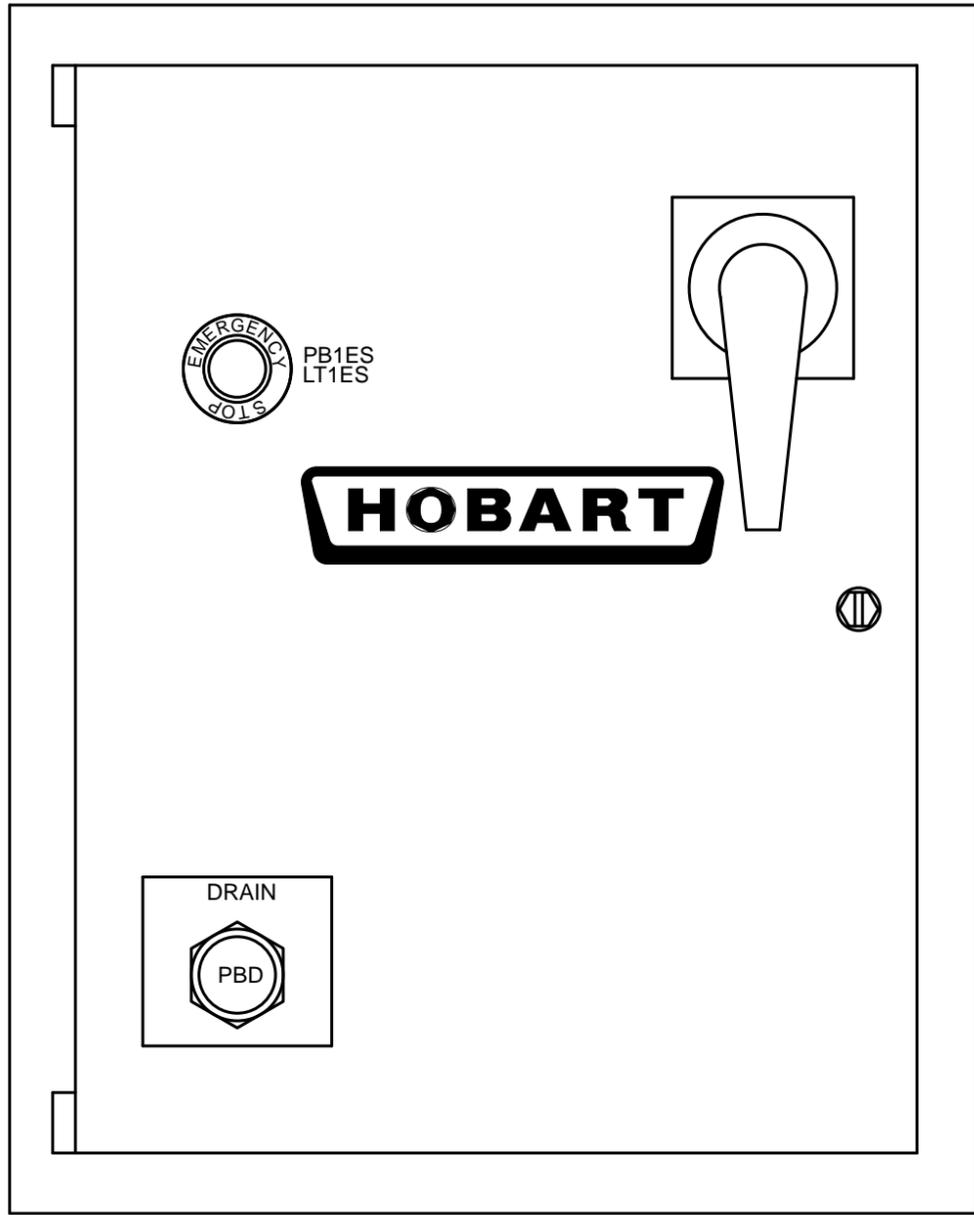


WPS1260
 (Remote Push Button High Tank 208V)
 Derived From HEXXXX (Common)

NOTES:

- 1) THIS IS A FIELD WIRING DIAGRAM. ALL WIRING SHOWN IS FOR FIELD INSTALLATION.
- 2) GROUND ALL ELECTRICAL EQUIPMENT
- 3) CONTROL CIRCUIT IS 24VDC AND 110VAC NOMINALLY.
- 4) ALL INSTALLATION WIRING TO BE DONE IN ACCORDANCE TO LOCAL, STATE AND/OR NATIONAL ELECTRIC CODE SPECIFICATIONS.
- 5) REMOTE PUSHBUTTON STATIONS TO BE MOUNTED & WIRED AT WORKSTATION BY CUSTOMER. IT IS AT THE DISCRETION OF THE INSTALLING ELECTRICIAN AS TO WHETHER THE PUSH BUTTON STATION IS WIRED TO THE PULPER JUNCTION BOX OR DIRECTLY TO THE CONTROL PANEL.
- 6) THE ENVIRONMENTAL RATING OF ANY FIELD INSTALLED CONDUIT HUBS MUST MATCH THE ENVIRONMENTAL RATING OF THE INDUSTRIAL CONTROL PANEL.
- 7) *****IT IS IMPORTANT FOR EASE OF MAINTENANCE & TROUBLESHOOTING THAT THE INSTALLING ELECTRICIAN LABEL ALL FIELD WIRES WITH THE SAME NUMBER AS THE TERMINAL BLOCK NUMBER - BOTH SIDES.

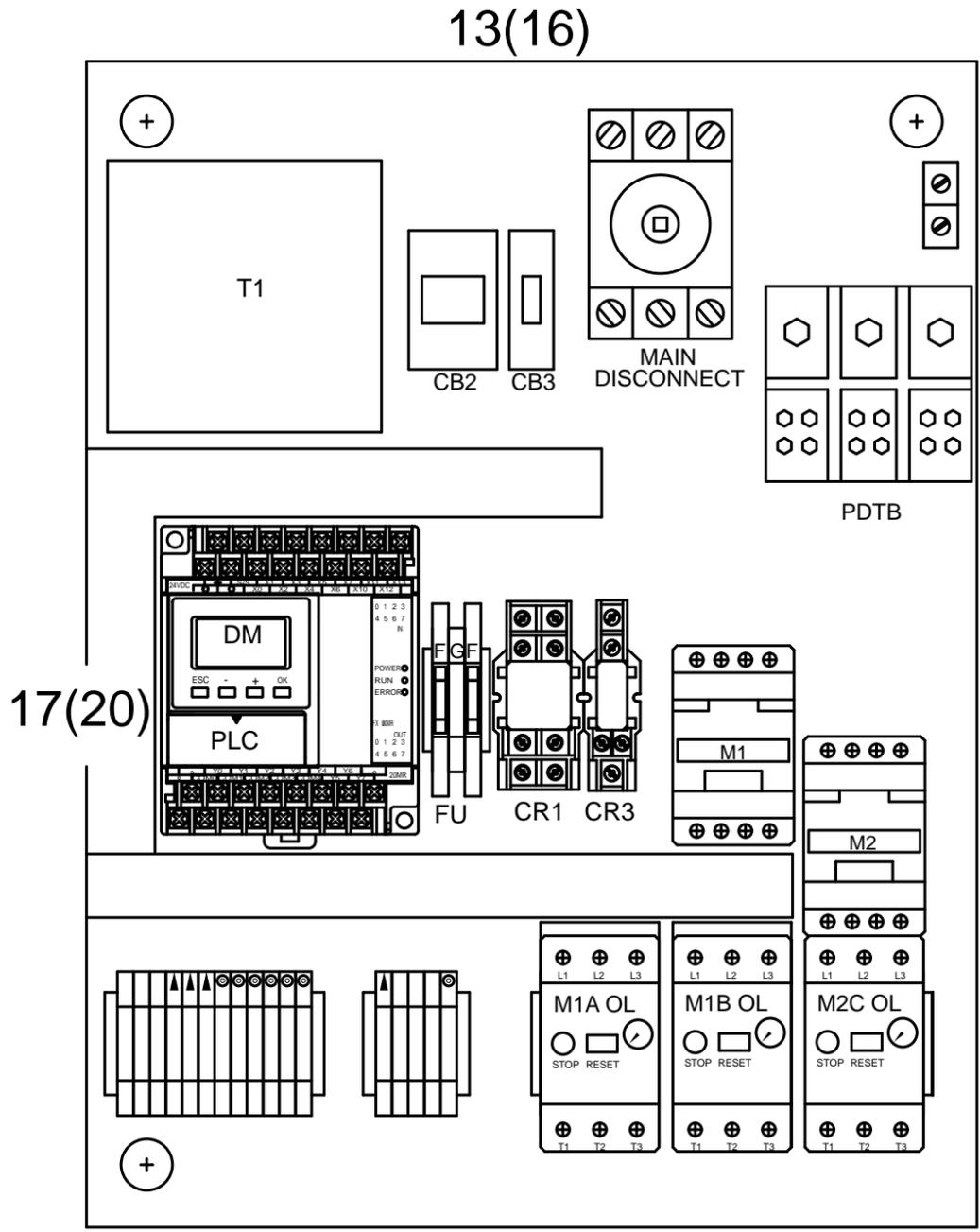
*NOTE: GROUND ALL MOTORS & APPLIANCES



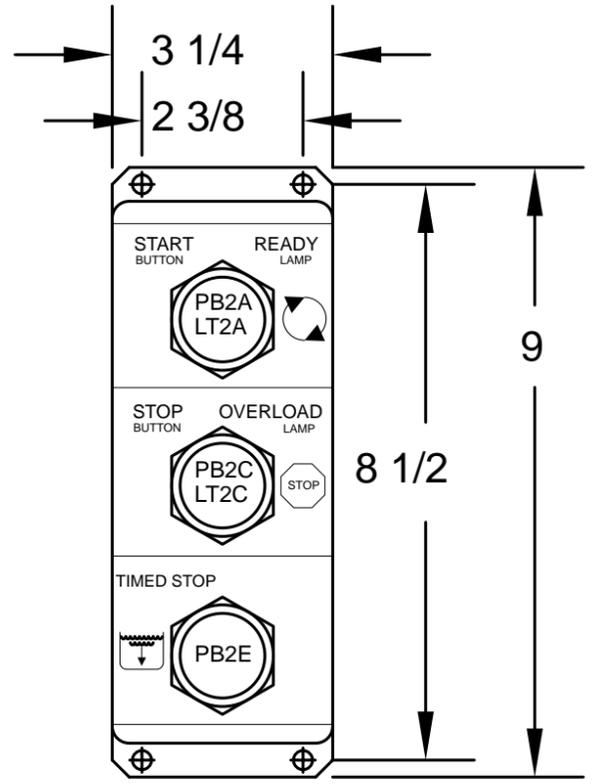
CONTROL PANEL ENCLOSURE DETAIL

DISPLAY MODULE SETPOINTS:

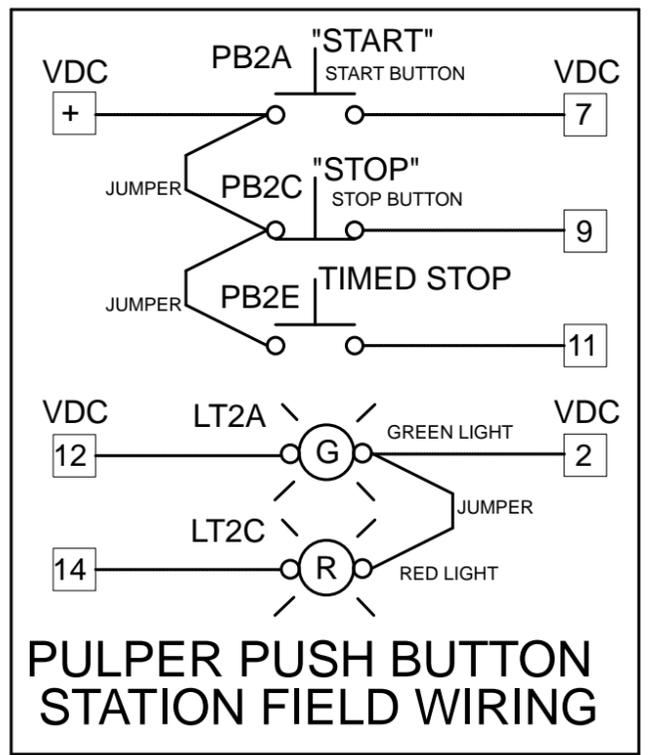
- THE SETPOINTS FOR THE CLOSE COUPLE PULPER SYSTEMS ARE AS FOLLOWS:
- D0 - PULPER WATER INITIAL FILL DURATION (SECONDS)
 - D1 - PULPER MAKEUP WATER DURING OPERATION
 - D2 - TIMED STOP DURATION (SECONDS)
 - D3 - RETURN PUMP START DELAY (SECONDS)
 - D4 - AUX FILL DURATION (OPTIONAL WITH AUX. PUMP)
 - D5 - PULPER HOURS OF OPERATION
 - D6 - PULPER MINUTES OF OPERATION
 - D7 - PULPER SECONDS OF OPERATION (DISPLAYED IN 1/10THS OF SECOND)



CONTROL PANEL DETAIL



REMOTE PUSH BUTTON STATION



PULPER PUSH BUTTON STATION FIELD WIRING

WPS1260
 (Remote Push Button High Tank 208V)
 Derived From HEXXXX (Common)



NOTES:

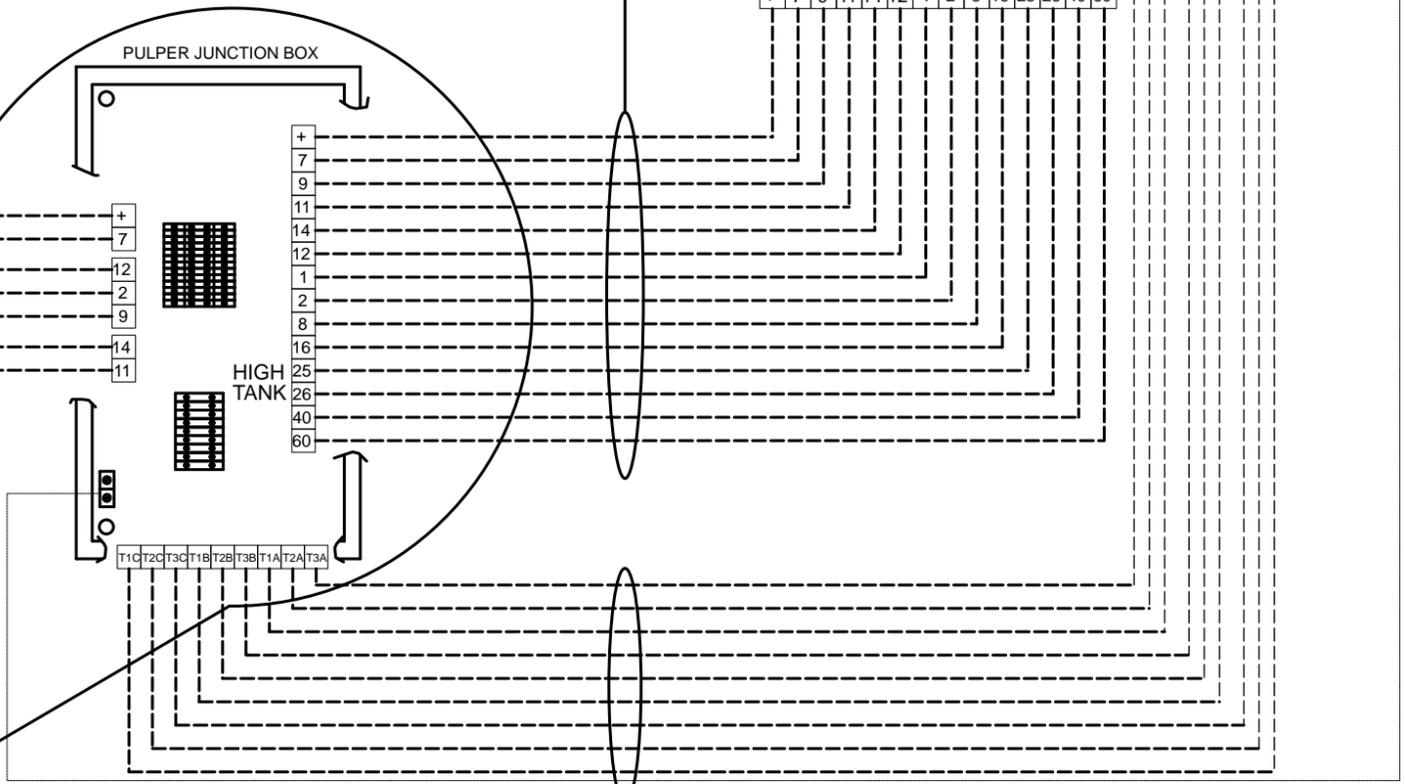
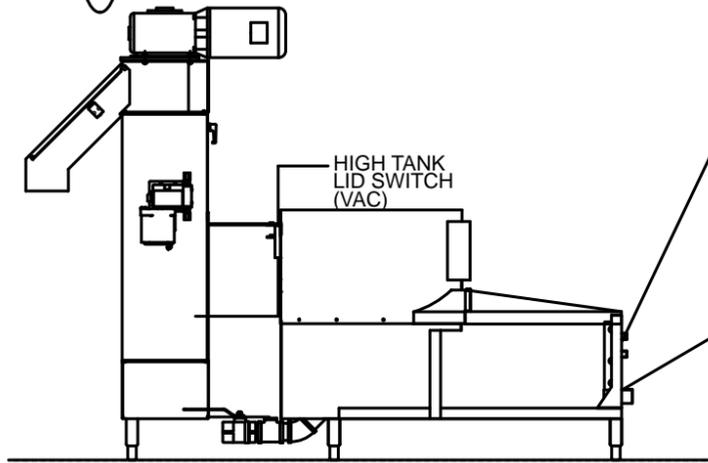
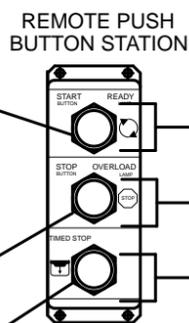
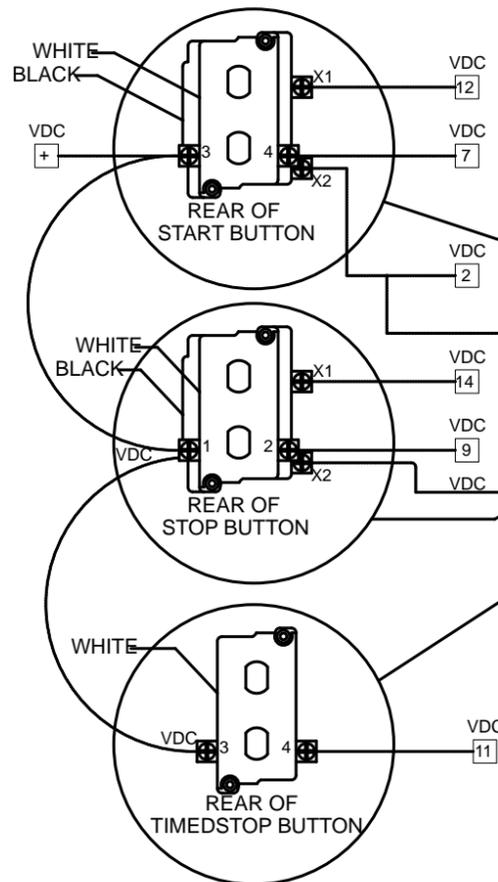
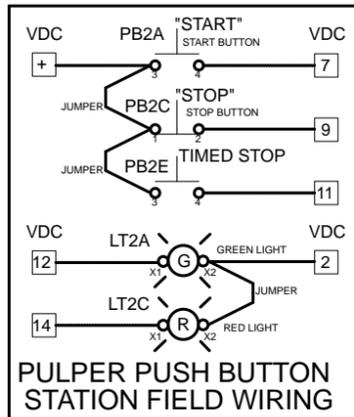
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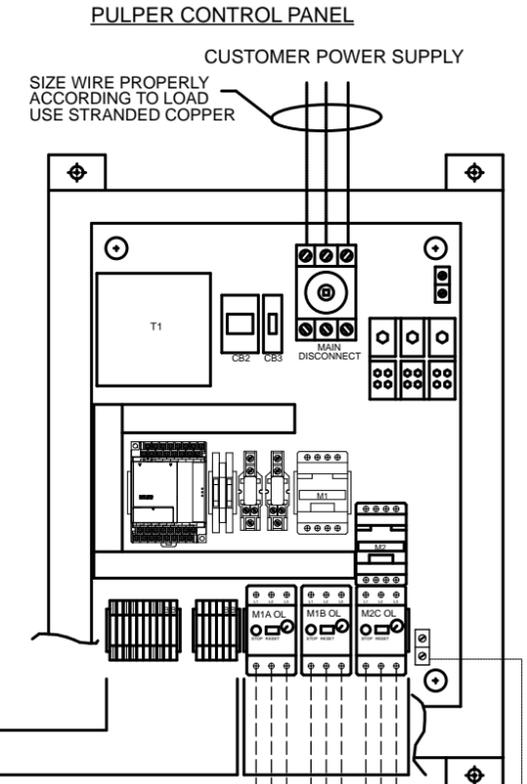
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LEGEND

- FIELD WIRING BY CUSTOMER (dashed line)
- TERMINAL BLOCK (numbered box)



WPS1260
(Remote Push Button High Tank 208V)
Derived From HEXXXX (Common)

CONTROL PANEL LIGHT ERROR CODES

Error Codes	Description
Solid Green	All safeties are true, tank is full and system is ready to run or the system is running.
Flashing Green	System is in timed stop mode, the waterpress rinse will spray and after less than 10 minutes system will shut down. To cancel timed stop mode, press timed stop button a second time.
Two Green Flashes, Pause, Repeat	All safeties are true, tank is filling.
Solid Red	Either the pulper lid or waterpress chute is open. If unsure which switch is not made, open each and shut firmly.

TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
Not enough water in Pulper.	<ol style="list-style-type: none"> 1. Water make up shut-off valve closed. 2. Low water pressure. 3. Faulty operation of solenoid valve. 4. Plugged backflow presented. 5. Drain valve open or leaking. 6. Timer inoperative. (PLC) 7. Line strainer clogged. (if equipped) 	<ol style="list-style-type: none"> 1. Open valve. 2. Close drain valve.
Fresh water solenoid won't shut off.	<ol style="list-style-type: none"> 1. Valve dirty, or malfunction. 2. Timer inoperative. (PLC) 	<ol style="list-style-type: none"> 1. Clean valve and or replace.
Too much water in Pulper.	<ol style="list-style-type: none"> 1. Trough valve open too far. 2. Misadjusted makeup water duration. 3. Faulty operation at valve. 	<ol style="list-style-type: none"> 1. Throttle down valve to decrease water in pulper and increase water in extractor (more overflow).
Heavy flow from overflow pipe.	<ol style="list-style-type: none"> 1. Excessive foaming. 2. Blockage of return line. 3. Improper return water flow. 	<ol style="list-style-type: none"> 1. Add a de-foamer. 2. Check individual cleanouts to locate blockage. <ol style="list-style-type: none"> a. Locate blockage. b. Remove blockage. 3. Readjust throttling valves.
Pulper operates but pulping rate is low.	<ol style="list-style-type: none"> 1. Plugging of sizing ring. 2. Worn or missing rotating cutters. 3. Worn or missing stationary cutters. 4. Excessive foaming. 5. Sluggish vortex due to: <ol style="list-style-type: none"> a. Too little water in pulper. b. Overload of waste. 6. Clogged or worn pump. 7. Clogged slurry lines. 	<ol style="list-style-type: none"> 1. Add de-foamer or any other suitable commercial preparation. 2. Revise waste feeding rate. 3. Check pump.
Excessive foaming.	<ol style="list-style-type: none"> 1. Unknown foaming material. 2. Too much deodorizer. 3. Too much cardboard containing glue. 	<ol style="list-style-type: none"> 1. Drain tank, flush system and refill. Observe if problem persists. Adjust pump to add more defoaming agent. Refer to Operators manual for flushing system procedure. 2. Drain tank, flush system and refill. Observe if problem persists. Refer to Operators manual for flushing system procedure. 3. Add defoaming agent.
Cutting mechanism stops frequently.	<ol style="list-style-type: none"> 1. Overloaded by feeding. 2. Rotation of cutter mechanism restricted by buildup of foreign material around rotating cutter or underneath of pulping disc. 3. Incorrect or defective fuses or thermal overloads. 4. Malfunctioning interlock switch(es). 	<ol style="list-style-type: none"> 1. Revise waste feeding rate. 2. Check switches and magnets and replace if necessary.

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
Pulper drive motor trips overload.	<ol style="list-style-type: none"> 1. Incorrect voltage. 2. Overload malfunction. 3. Clog between sizing ring and pulping disc. 4. Pulper overloaded with heavy waste. 5. Problem with wiring connection. 	<ol style="list-style-type: none"> 1. Remove some of the waste load.
Pulper will not run.	<ol style="list-style-type: none"> 1. Interlocks not closed. 2. Drain open. 3. Doesn't fill within six minutes. 4. No voltage to machine. 5. Overload tripped. 	<ol style="list-style-type: none"> 1. Verify drain is closed. 2. Check incoming water supply.
Pulper will not drain.	<ol style="list-style-type: none"> 1. Drain line clogged. 2. Drain MOV not opening. 	<ol style="list-style-type: none"> 1. Check drain line and unclog if necessary.
Pulper jams.	<ol style="list-style-type: none"> 1. Plastic wedged between sizing ring and pulping disc. 2. Pulper overloaded with heavy waste. 3. Metal jams between the rotating and stationary cutter on a shut down. 	<ol style="list-style-type: none"> 1. Lighten waste load.
Recirculating pump rate drops off.	<ol style="list-style-type: none"> 1. Trough flushing nozzle or manifold in feed tray plugged with trash. 2. Pulping disc worn. 3. Material in pump impeller. 4. Foaming. 5. Drain open. 	<ol style="list-style-type: none"> 1. Clean trough and feed tray. 2. Check pulping disc. 3. Check for foreign objects trapped around pump impeller. 4. Verify drain is closed.
Unit develops odors.	<ol style="list-style-type: none"> 1. Dirty pulper and waterpress. 2. Not enough fresh water enters during use. 	<ol style="list-style-type: none"> 1. Pulper and waterpress require periodic cleaning. Refer to Operation manual.
Waterpress stops frequently.	<ol style="list-style-type: none"> 1. Worn screw. 2. Incorrect or defective thermal overloads and or fuses. 	<ol style="list-style-type: none"> 1. Replace screw.
Excessively wet pulp discharge from waterpress.	<ol style="list-style-type: none"> 1. Blockage of screen. 2. Worn screw and brush. 	<ol style="list-style-type: none"> 1. Clean waterpress screen. 2. Remove screw and replace.
Waterpress drive motor trips overload heaters.	<ol style="list-style-type: none"> 1. Incorrect voltage. 2. Overload malfunction. 3. Speed reducer failure. 4. Discharge chute outlet obstructed. 5. Hardened plug in waterpress screw. 6. Trash container full and pulp is backing up into discharge chute. 	<ol style="list-style-type: none"> 1. Overload malfunction or wrong size. Check overload setting. 2. Check speed reducer. 3. Clear obstruction. 4. Clean waterpress screw. 5. Empty trash container.
Waterpress screw wobbles excessively.	<ol style="list-style-type: none"> 1. Waterpress screw not properly aligned. 2. Bushing at bottom of screw shaft worn. 3. Waterpress screw bent. 	<ol style="list-style-type: none"> 1. Align waterpress screw. 2. Replace screw shaft bushing. 3. Replace waterpress screw.
Waterpress jams.	<ol style="list-style-type: none"> 1. Excessive feed rate. 	<ol style="list-style-type: none"> 1. Adjust feed rate.

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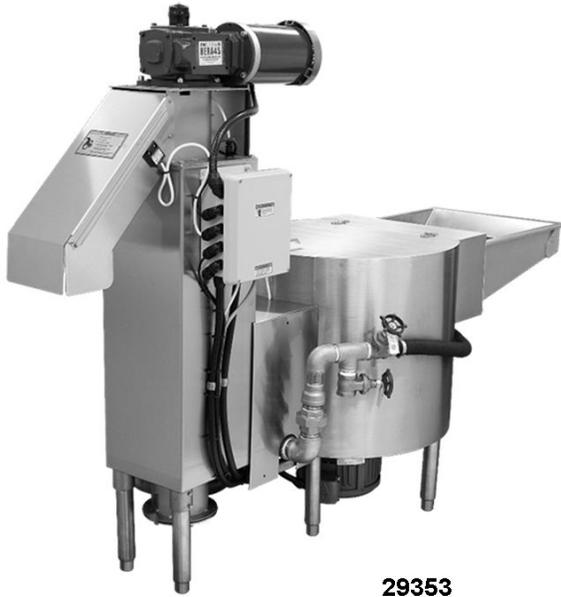
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CATALOG OF REPLACEMENT PARTS

WASTE SYSTEM



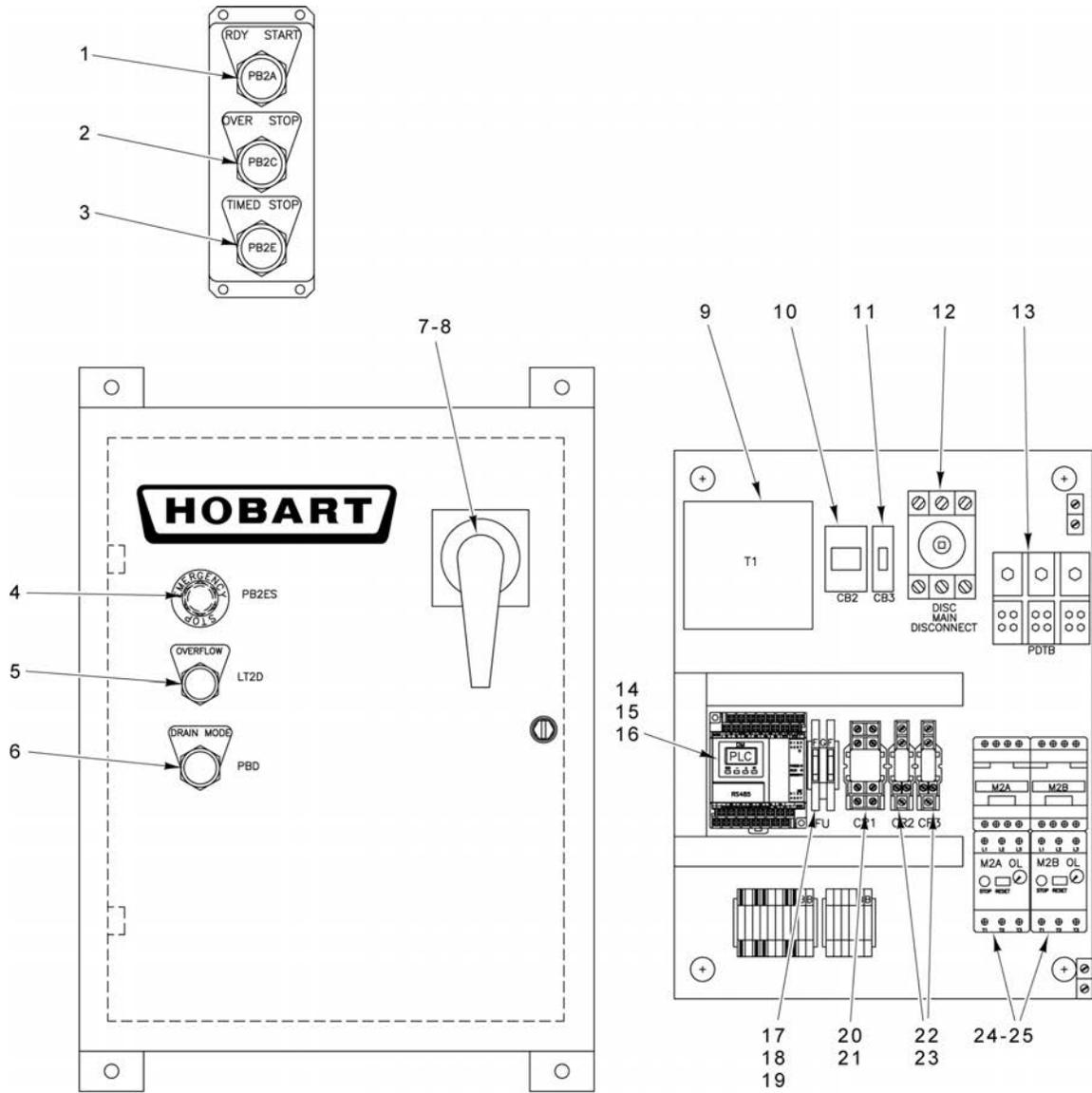
ML-130287
ML-130288

WPS1260
WPR1260

29353

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13	TRAY AND TROUGH PIPING
15	RETURN PUMP
17	SLURRY WATER PUMP
19	CUTTER AND MOTOR
21	PIPING AND MOTORIZED DRAIN



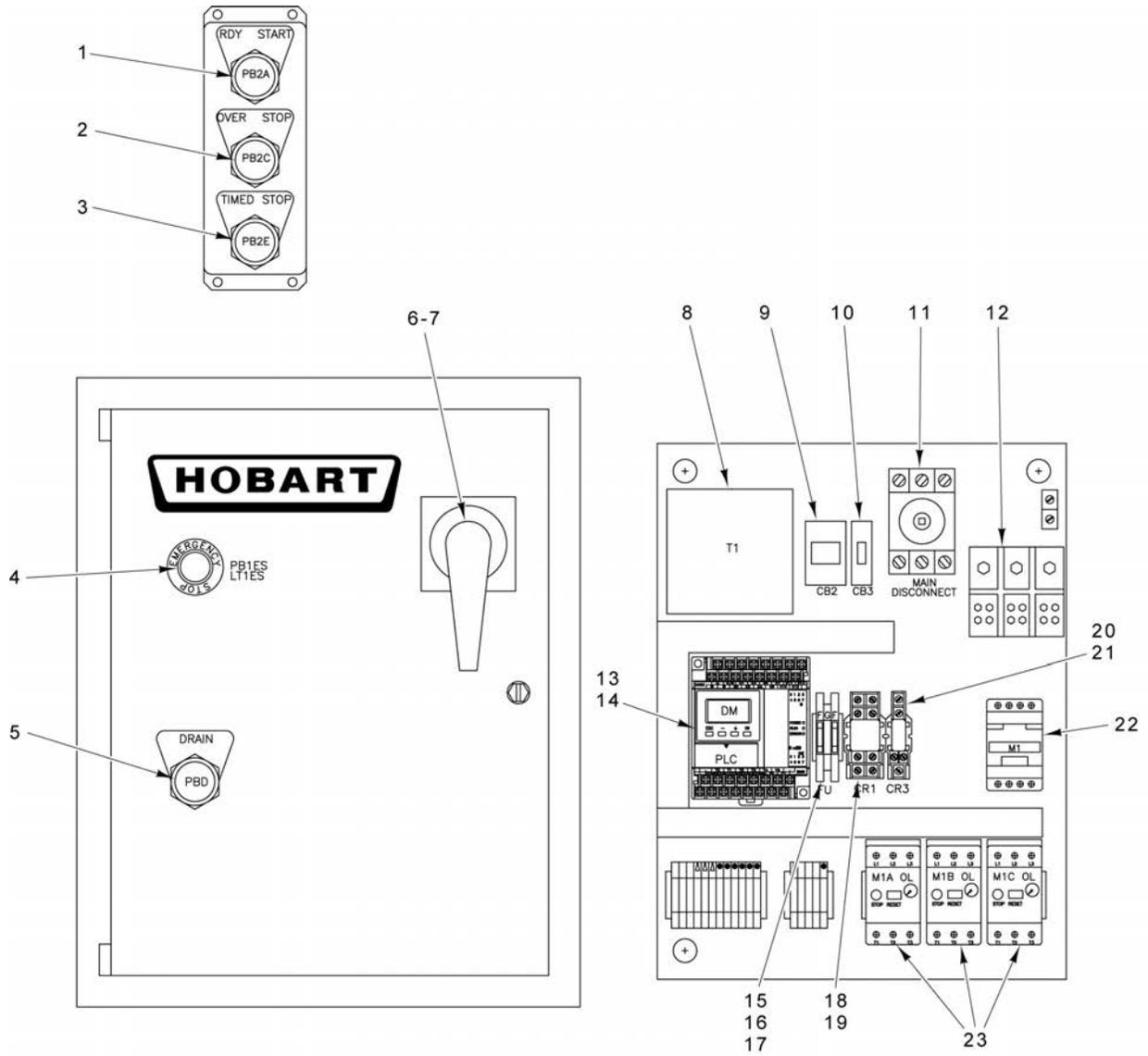
PL-60871

**CONTROL PANEL
(ML-130288) (WPR1260)**

**CONTROL PANEL
(ML-130288) (WPR1260)**

ILLUS.	PART NO.	NAME OF PART	AMT.
PL-60871			
1	00-316071	Button - Push (Start) (Remote).....	1
2	00-316072	Button - Push (Stop) (Remote).....	1
3	00-936875	Switch (Black).....	1
4	00-316099	Button - E-Stop.....	1
5	00-316100	Bulb - Red (Stop Switch).....	1
6	00-936875	Switch (Black).....	1
7	00-316390	Handle - Disconnect Switch.....	1
8	00-316391	Shaft - Disconnect Switch.....	1
9	00-316433	Transformer.....	1
10	00-316081	Circuit Breaker (2-Pole, 2 & 3 on 1) (High Voltage).....	1
11	00-316149	Circuit Breaker (4 Amp., 1-Pole).....	1
12	00-316251	Switch - Disconnect (60 Amp.).....	1
13	00-316278	Block - Terminal.....	1
*14	SP-913137-00001	PLC Controller (Special Order).....	1
15	00-316407	Screen (LCD).....	1
16	00-316408	Modual - Communication.....	1
17	00-316279	Block - Fuse.....	1
18	00-316416	Fuse (1.0 Amp.).....	1
19	00-936900	Fuse (0.25 Amp.).....	1
20	00-316280	Relay - Control (120 V.).....	1
21	00-316236	Relay - Control (120 V.) (2-Pole).....	1
22	00-975741	Relay (120 V.) (1-Pole).....	2
23	00-316235	Relay - Control (SPDT).....	2
24	00-316241	Contacto (25 Amp.).....	2
25	00-316282	Overload (4-20 Amp.).....	2

* (Model and serial number must be provided for programming controller.)



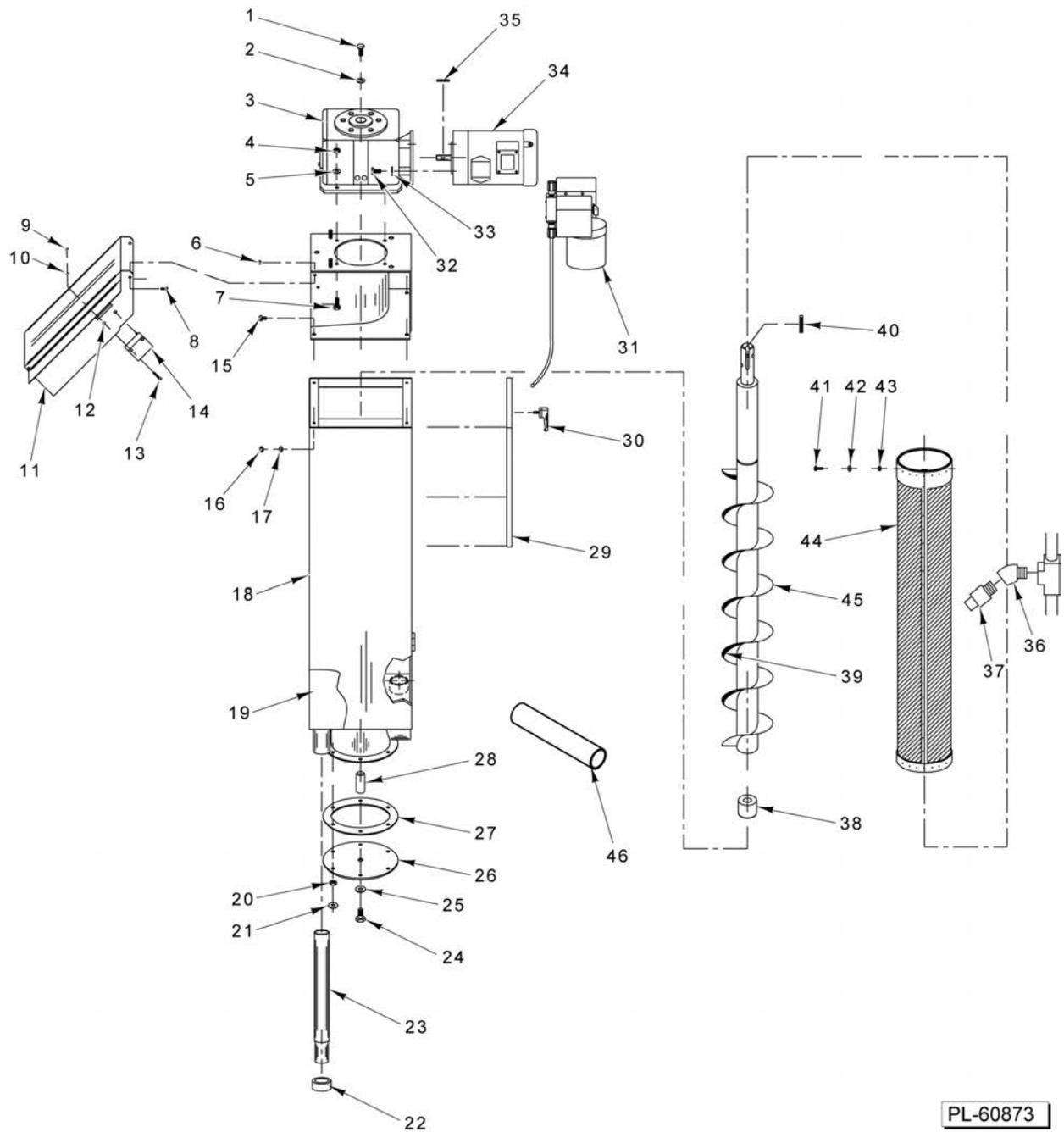
PL-60872

**CONTROL PANEL
(ML-130287) (WPS1260)**

**CONTROL PANEL
(ML-130287) (WPS1260)**

ILLUS. PL-60872	PART NO.	NAME OF PART	AMT.
1	00-316071	Button - Push (Start) (Remote).....	1
2	00-316072	Button - Push (Stop) (Remote).....	1
3	00-936875	Switch (Black).....	1
4	00-316099	Button - E-Stop.....	1
5	00-936875	Switch (Black).....	1
6	00-316390	Handle - Disconnect Switch.....	1
7	00-316391	Shaft - Disconnect Switch.....	1
8	00-316148	Transformer (350 VA).....	1
9	00-316081	Circuit Breaker (2-Pole, 2 & 3 on 1) (High Voltage).....	1
10	00-316149	Circuit Breaker (4 Amp., 1-Pole).....	1
11	00-316251	Switch - Disconnect (60 Amp.).....	1
12	00-316278	Block - Terminal.....	1
*13	SP-913137-00001	PLC Controller (Special Order).....	1
14	00-316407	Screen (LCD).....	1
15	00-316279	Block - Fuse.....	1
16	00-316416	Fuse (1.0 Amp.).....	1
17	00-936900	Fuse (0.25 Amp.).....	1
18	00-316280	Relay - Control (120 V.).....	1
19	00-316236	Relay - Socket.....	1
20	00-975741	Relay (120 V.) (1-Pole).....	2
21	00-316235	Relay - Socket (1-Pole).....	2
22	00-316241	Contact (25 Amp.).....	2
23	00-316282	Overload (4-20 Amp.).....	2

* (Model and serial number must be provided for programming controller.)

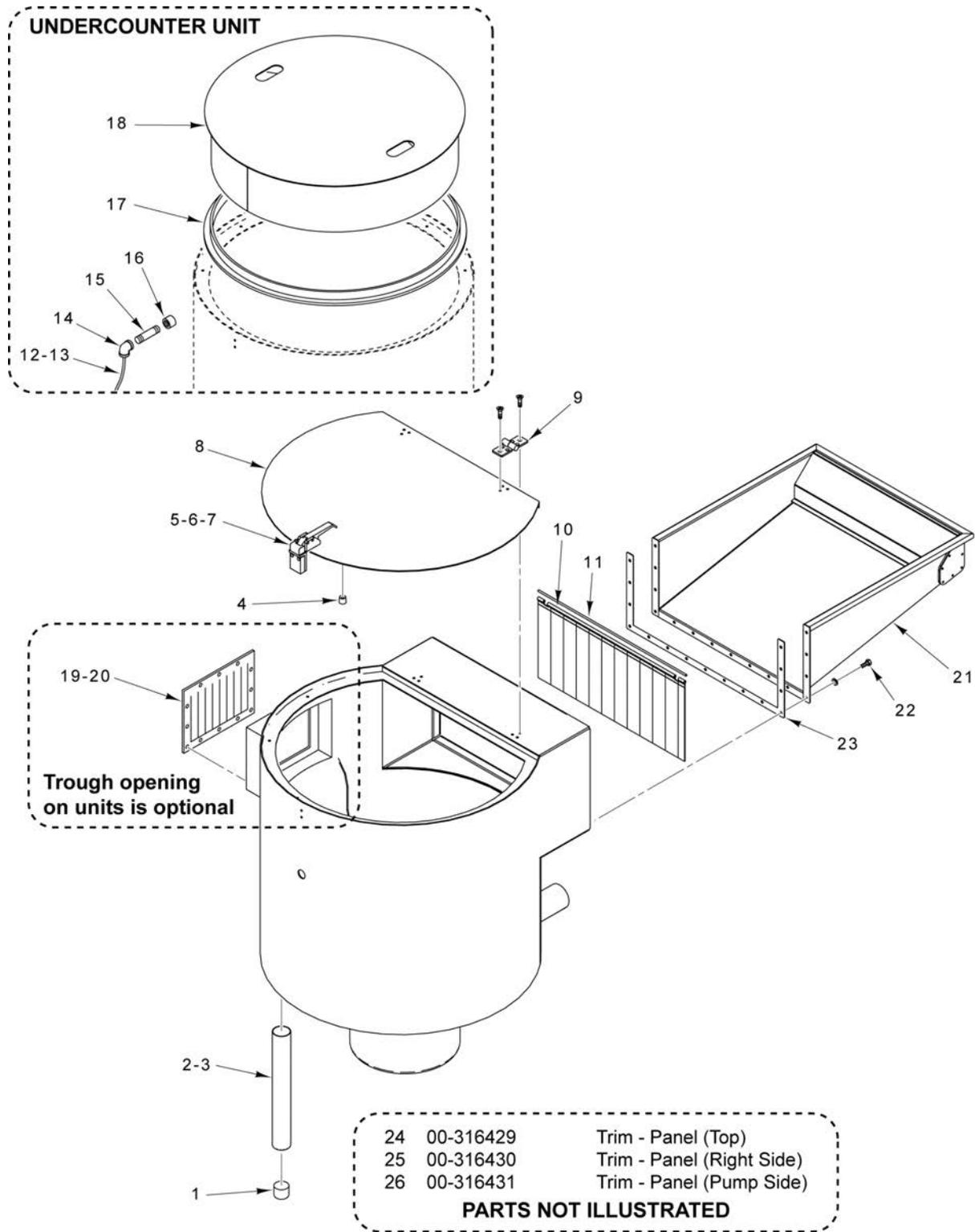


PL-60873

WATERPRESS

WATERPRESS

ILLUS. PL-60873	PART NO.	NAME OF PART	AMT.
1		Bolt 3/4-16 x 1-1/4 Hex Hd. (SST).....	1
2	00-316414	Washer.....	1
3	00-316385	Reducer 2 Hp.....	1
4	NS-015-13	Nut 3/8-16 Hex (SST).....	4
5		Lockwasher 3/8 (SST).....	4
6	NS-011-23	Nut 10-32 Hex (SST).....	2
7	SC-120-34	Mach. Screw 3/8-16 x 1-1/4 Hex Hd. (SST).....	4
8	SC-126-54	Screw 10-32 x 3/4 Rd. Hd. (SST).....	2
9	NS-011-23	Nut 10-32 Hex (SST).....	2
10		Washer #10.....	2
11	00-316415	Chute - Discharge.....	1
12	00-316013	Magnet - High Energy.....	1
13		Screw 6-32 x 2-1/4 Rd. Hd. (SST).....	2
14	00-316012	Switch - Magnetic.....	1
15		Screw 5/16-18 x 1/2 Hex Hd. (SST).....	4
16	NS-015-13	Nut 3/8-16 Hex (SST).....	4
17		Lockwasher 5/16 (SST).....	4
18	00-316022	Head Assy. & Shell Weldment (SST).....	4
19	00-316007	Isolator - Vibration.....	2
20		Washer 3/8.....	6
21	NS-015-13	Nut 3/8-16 Hex (SST).....	6
22	00-316007	Pad - Vibration.....	1
23	00-316032	Leg.....	2
24	SC-127-43	Mach. Screw 1/2-13 x 1 Hex Hd. (SST).....	1
25		Washer.....	1
26	00-316036	Plate - Bottom Pin.....	1
27	00-316035	Gasket - Bottom Plate.....	1
28	00-316034	Pin - Bottom.....	1
29	00-316030	Cover - Access.....	1
30	00-316031	Fastener - Lid.....	1
31	00-316155	Pump - Chemical Additive Pump - Chemical Additive (Stenner).....	1
32		Bolt 3/8-16 x 3/4 Hex Hd. (SST).....	4
33		Lockwasher 3/8 (SST).....	4
34	00-316386	Motor - Drive 2 Hp.....	1
35		Key 3/16 x 3/16 x 1-5/8 Lg. (SST).....	1
36		Nozzle Elbow - Street 1/4 x 45 Deg.....	8
37	00-316156	Nozzle (1/4 In.).....	8
38	00-316027	Bushing - Lower (Screw Shaft).....	1
39	00-316025	Brush (Nylon).....	1
40		Key 3/8 x 3/8 x 3 Lg. (SST).....	1
41	SC-085-20	Screw 5/16-18 x 1 Button Hd. Socket Type (SST).....	2
42		Lockwasher 5/16 Split Type (SST).....	2
43	NS-015-11	Nut 5/16-18 Hex (SST).....	2
44	00-316023	Screen Assy.....	1
45	00-316024	Screw Assy. - Extractor (Incls. Items 38, 39, & 40).....	1
46	00-316058	Hose 2-7/8 In. ID x 4 In. Lg. (Slurry).....	1

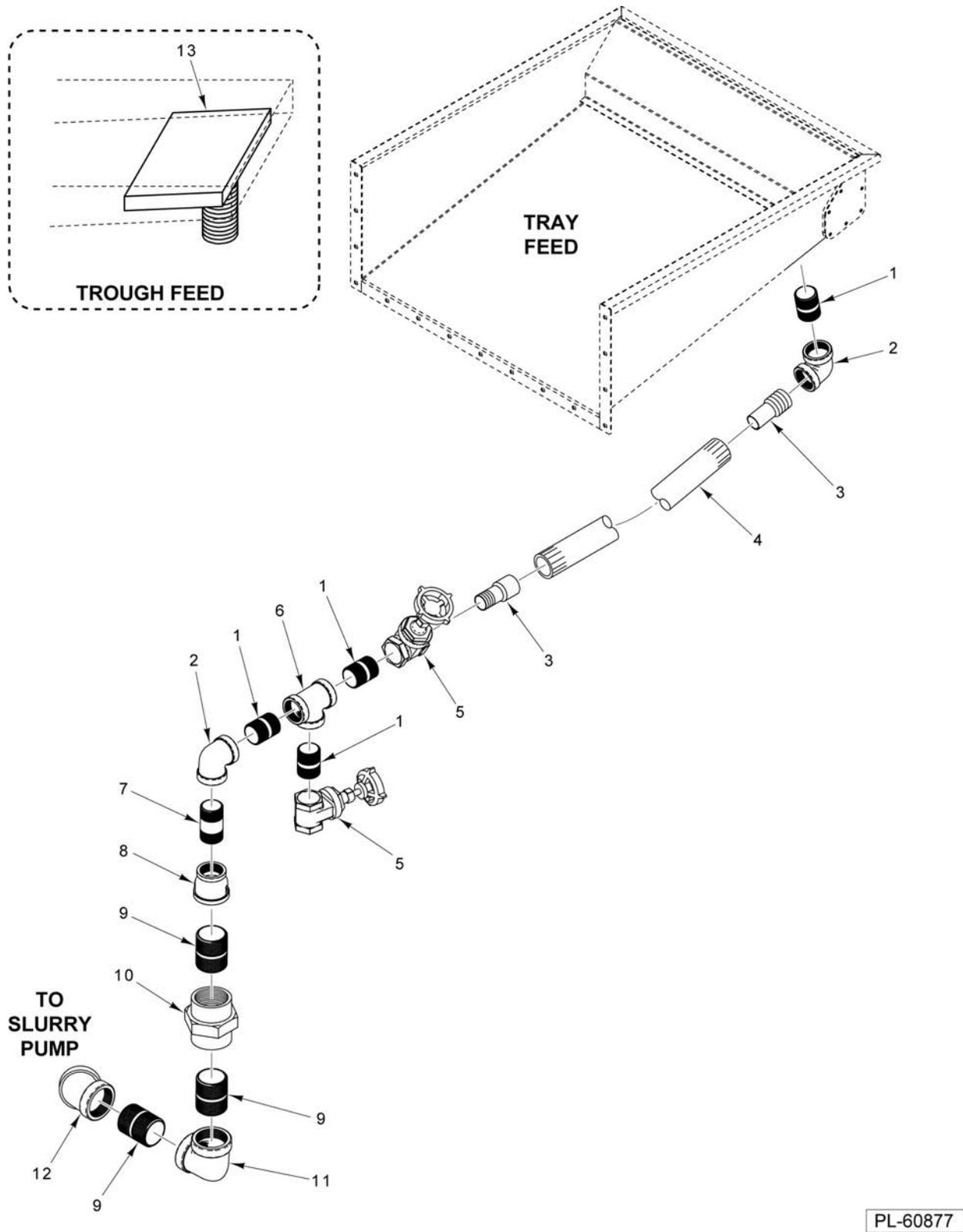


PL-60874

PULPER

PULPER

ILLUS.	PART NO.	NAME OF PART	AMT.
PL-60874			
1	00-316007	Isolator - Vibration (Rubber).....	4
2	00-316423	Leg.....	4
3		Set Screw 1/4-20 x 3/8 Hex Hdls., Cup Pt.....	4
4	00-316188-00005	Bumper.....	1
5	00-316012	Switch - Magnetic.....	1
6	00-316186	Bracket - Limit Switch.....	1
7	00-316008	Latch - Lid.....	1
8	00-936886	Lid - Freestanding.....	1
9	00-919666	Hinge -.....	1
10	00-316014	Curtain - Tray.....	1
11		Rod - Curtain.....	1
12	00-975721	Sensor - Lid Switch (Undercounter).....	1
13	00-975932	Cable (Sensor).....	1
14		Elbow 1/2 In. NPT.....	1
15		Pipe 1/2 x 3 TBE.....	1
16		Cap - Pipe.....	1
17	00-316413	Gasket - Transition Ring.....	1
18	00-936886	Lid - Freestanding.....	1
19	00-316196	Gasket - Trough (9 In.).....	1
20	00-316197	Gasket - Trough (12 In.).....	1
21	88910	Tray (Trough) (Incls. Item 22).....	1
22		Screw.....	AR
23	00-316051	Gasket - Tray.....	1
24	00-316429	Trim - Panel (Top).....	1
25	00-316430	Trim - Panel (Right Side).....	1
26	00-316431	Trim - Panel (Pump Side).....	1

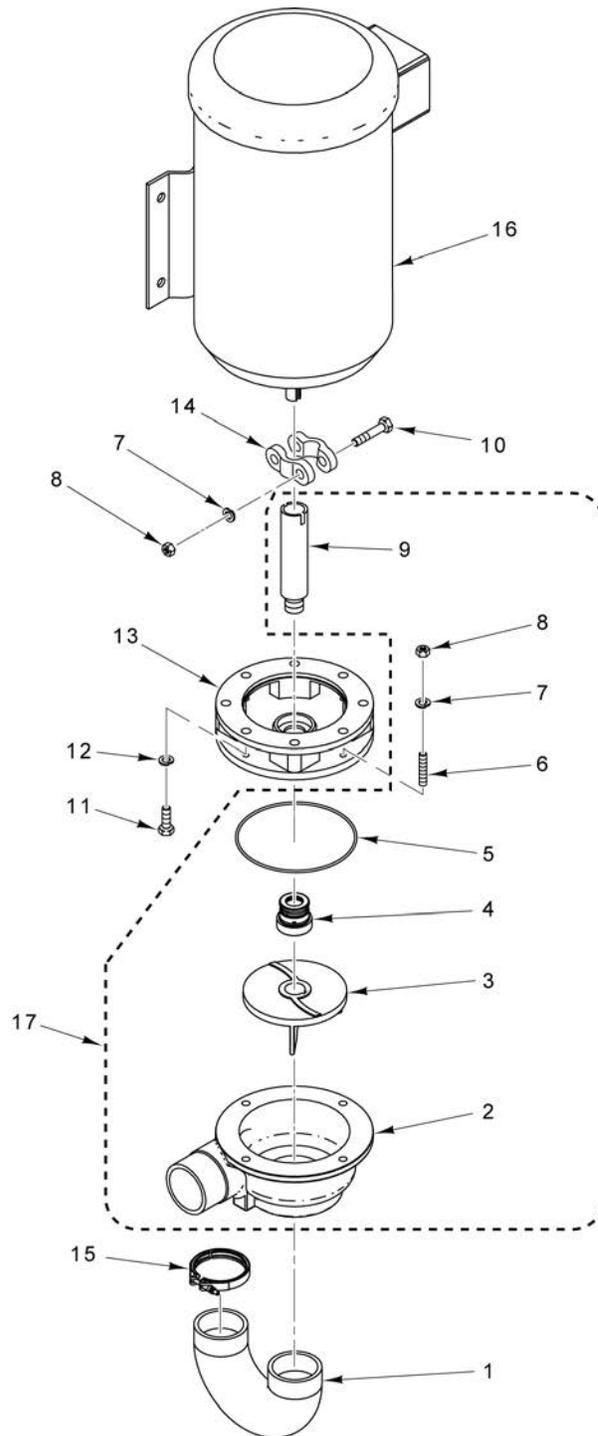


TRAY AND TROUGH PIPING

TRAY AND TROUGH PIPING

ILLUS.	PART NO.	NAME OF PART	AMT.
PL-60877			
1	00-316441	Pipe 1-1/2 x 1-3/4 (SST).....	4
2	00-316440	Elbow 1-1/2 x 90 Deg. (SST).....	2
3	00-316442	Fitting - Barb 1-1/2.....	2
4	00-316058	Hose.....	1
*5	00-316068	Valve - Gate 1-1/2 In.....	2
6	00-316443	Tee 1-1/2 (SST).....	1
7	00-316439	Pipe 1-1/2 x 3 (SST).....	1
8	00-316438	Coupling - Reducer (1-1/2 to 2).....	1
9	00-316436	Pipe 2 In.....	3
10	00-316437	Union 2 In. (SST).....	1
11	00-316435	Elbow 2 x 90 Deg. (SST).....	1
12	00-316434	Elbow 2 x 45 Deg. (SST).....	1
13	00-936905	Nozzle - Trough.....	1

* (Due to Model Configuration, Unit May Only Have One Valve.)

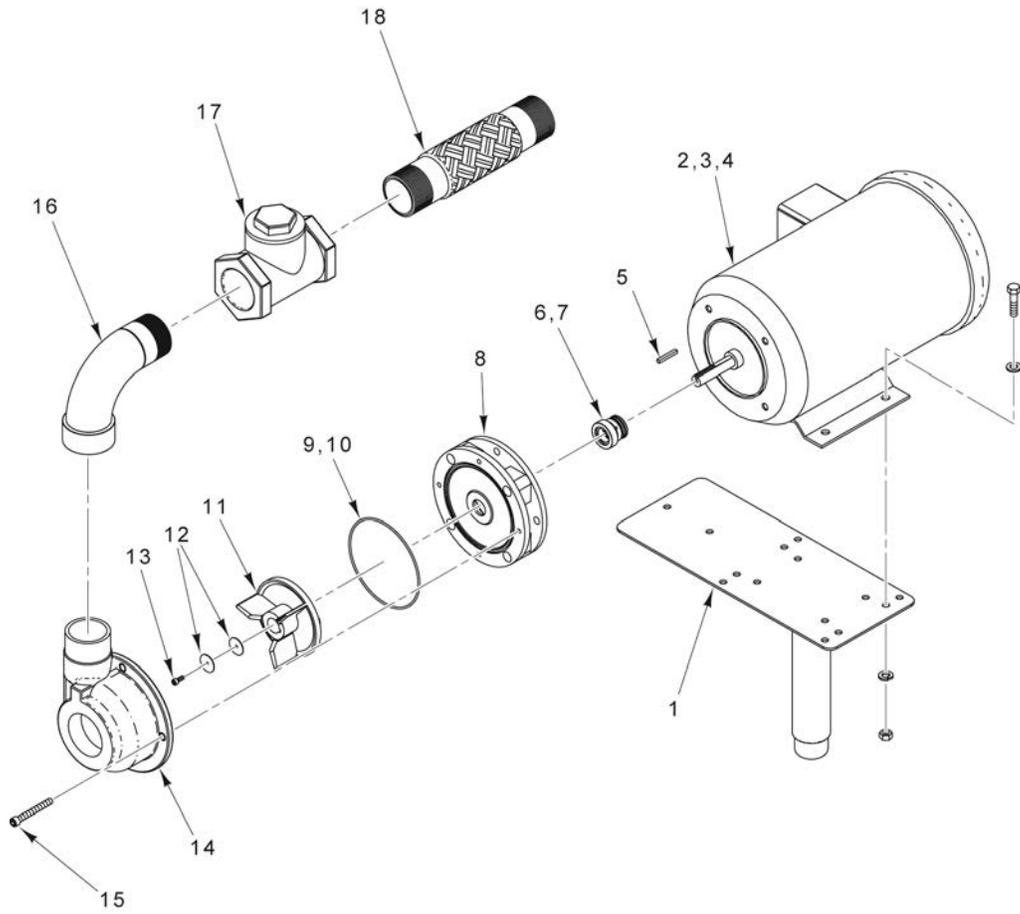


PL-60918

RETURN PUMP

RETURN PUMP

ILLUS.	PART NO.	NAME OF PART	AMT.
PL-60918			
1	00-316191	Hose - Return (U Shape).....	1
2	00-316425	Housing - Pump.....	1
3	00-316253	Impeller.....	1
4	00-476738-00007	Seal Assy.....	1
5	00-316286	O-Ring.....	1
6		Stud 5/16-18 x 1 (SST).....	4
7		Lockwasher 5/16 Helical (SST).....	6
8		Nut 5/16-18 Hex (SST).....	6
9	00-316428	Sleeve - Drive.....	1
10		Screw 5/16-18 x 1-3/4 Hex Hd. (SST).....	2
11		Screw 3/8-16 x 3/4 Hex Hd. (SST).....	4
12		Lockwasher 3/8 Helical (SST).....	4
13	00-316426	Spacer - Ring.....	1
14	00-316427	Clamp 5/16 In.....	1
15		Clamp - Hose.....	2
16	00-936872	Motor (3 Hp.) (Leeson).....	1
17	00-936868	Pump (MP) (Incls. Items 2 thru 9).....	1

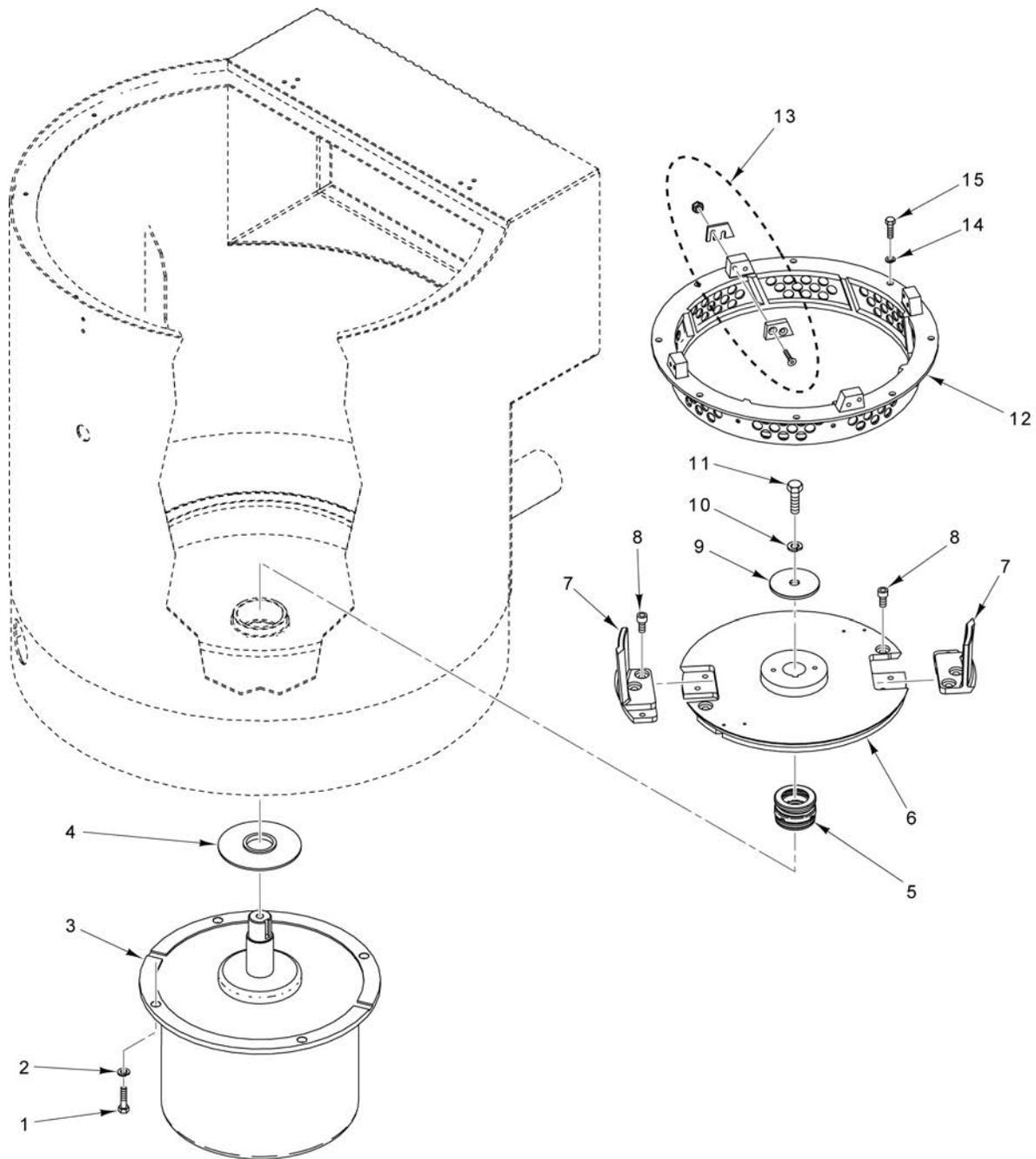


PL-60875

SLURRY WATER PUMP

SLURRY WATER PUMP

ILLUS.	PART NO.	NAME OF PART	AMT.
PL-60875			
1		Support - Pump.....	1
2	00-316233	Pump & Motor Assy. (3 Hp.).....	1
3	00-936872	Motor (3 Hp.) (Leeson).....	1
4	00-975626	Motor (5 HP) (Baldor).....	1
5		Key 3/16 x 3/16 x 1-1/8 Lg. (SST).....	1
6	00-476738-00007	Seal Assy. (Use W/Item 3).....	1
7	00-975632	Seal - Mechanical (7/8 In.) (Use W/Item 4).....	1
8	00-316045	Ring - Spacer.....	1
9	00-316069	O-Ring (Use W/Item 3).....	1
10	00-975627	O-Ring (Use W/Item 4).....	1
11	00-316253	Impeller.....	1
12		Shim (With Impeller).....	AR
13		Screw 10-32 x 5/8 Hex Socket Hd. (SST).....	1
14	00-316039	Housing - Pump (3 Hp.).....	1
15		Screw 5/16-18 x 1-3/8 Hex Socket Hd. (SST).....	4
16		Elbow - Pipe.....	1
17	00-316066	Valve - Check (2 In.).....	1
18	00-316130	Connector - Flex 3 In.....	1

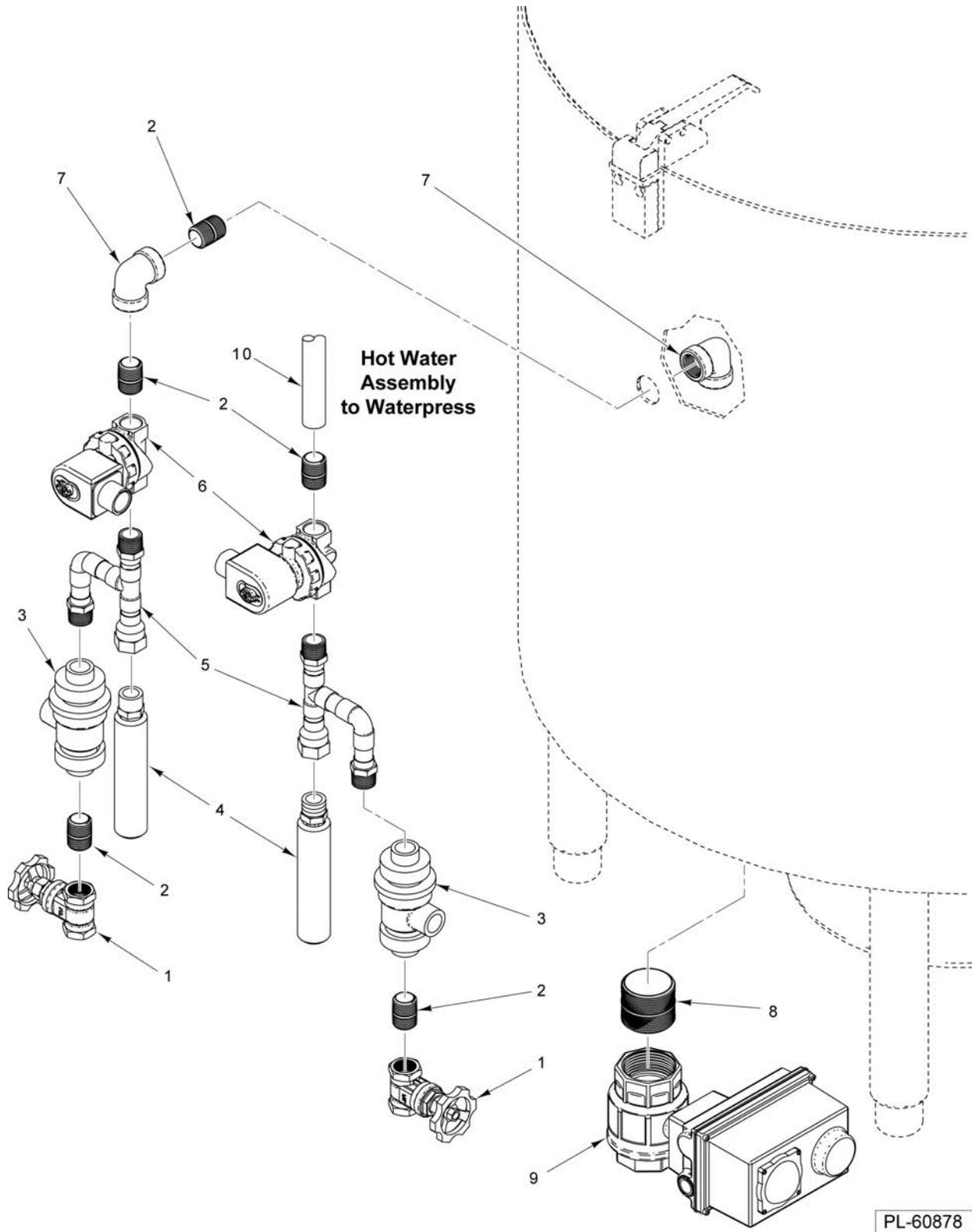


PL-60876

CUTTER AND MOTOR

CUTTER AND MOTOR

ILLUS.	PART NO.	NAME OF PART	AMT.
PL-60876			
1		Screw 1/2-13 x 1-1/4 Hex Hd. (SST).....	4
2		Lockwasher 1/2 (SST).....	4
3	00-316420	Motor (6 Hp.).....	1
4	00-316421	Flinger.....	1
5	00-316422	Seal - Shaft.....	1
6	00-316417	Disc - Pulping.....	1
7	00-316418	Cutter - Rotating (Incls. Item 8).....	2
8		Screw 3/8-16 x 1/2 Hex Socket Hd. (SST).....	6
9	00-316414	Washer.....	1
10		Lockwasher 1/2 (SST).....	1
11		Screw 1/2-13 x 1-1/4 Hex Hd. (SST).....	1
12	00-316419	Ring - Sizing (Without Cutters).....	1
13	00-936904	Cutter - Carbide Stationary (Incls. Screw, Nut, & Shims).....	4
14		Lockwasher.....	8
15		Screw.....	8



PIPING AND MOTORIZED DRAIN

PIPING AND MOTORIZED DRAIN

ILLUS.	PART NO.	NAME OF PART	AMT.
1	00-316065	Valve - Gate (1/2 In.).....	2
2		Pipe 1/2.....	5
3	00-316015	Preventor - Backflow (1/2 In.).....	2
4	00-316016	Arrestor - Shock (1/2 In.).....	2
5	00-316432	Manifold - Copper.....	2
6	00-936880	Valve - Solenoid (1/2 In.) (Parker).....	2
7		Elbow - Pipe 1/2 x 90 Deg.....	2
8	00-316436	Pipe 2 In.....	1
9	00-936882	Valve - Motorized (2 In.).....	1
10		Hose.....	1

