

PAN HANDLER

Model 860

Installation and Operating Instructions
Revised 6/17/13

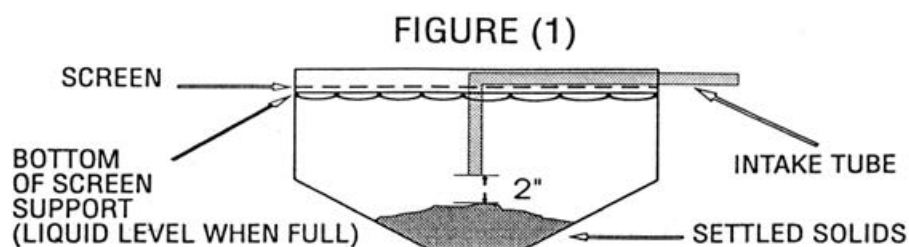


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INSTALLATION AND OPERATING INSTRUCTIONS

Position the stationary unit where there is access to a 110V, 10 amp electrical outlet equipped with GFI, Ground Fault Interrupt, an adequate water supply (three gallons or more per minute), and a drain. Garden hose fittings are located on the back of the stationary unit and they are labeled water in and water out. **NOTE: A fill hose must be attached to the water in fitting or PUMP #1 will not work properly.** Attach a hose to the water out fitting and direct it to the drain.

1. Collect the waste slurry from the fining and polishing machines and generator in the portable collection tank. Connect the portable tank to the stationary tank using the three quick-disconnect fittings.
2. Add eight ounces of Pan Handler Additive to the collected waste slurry in the portable tank.
3. Make sure that the arrow on valve #1 is pointing toward the portable tank.
4. Turn on the fill switch and fill the portable tank until the level reaches the bottom of the screen support. **DO NOT OVERFILL.**
5. Turn on pump #1 and circulate for 10 – 15 minutes to ensure proper mixing of the Pan Handler Additive.
6. Turn off pump #1 and let the waste slurry stand for a minimum of 1-1/2 hours. The longer the slurry is allowed to stand, the more solids the Pan Handler Additive will be able to separate from the water. **Optimum results will be achieved if it is allowed to stand overnight. When processing plastic generator coolant, the slurry must be allowed to stand for 3 – 4 hours before continuing.**
7. Make sure the arrow on valve #2 is pointing towards the portable tank.
8. The intake tube in the portable tank, which is connected to pump #2 should be cut off 2" above the normal level of the settled solids in the portable tank (FIGURE 1). On the initial run, hold this tube so the end is just below the surface of the water. Turn on pump #2 and pump the water off. After all the water has been pumped out, turn off the pump and let the tube hang in the tank normally. It should be cut (if necessary) to the proper length. If the end of the tube is too close to the solids, it will allow the solids to be picked up causing the cartridge filter to become plugged. If the cartridge filter requires changing too frequently, the hose may be too long. The filter should be checked daily. **DO NOT ALLOW THE PUMP TO RUN DRY.**



9. Place a #1103 Filter Bag in each bag rack and tie them securely in place. Place the bag racks and bags in the stationary unit with the discharge tube going into the top of one of the bags.
10. Turn valve #1 so that the arrow is pointing towards the bag rack area of the stationary unit.
11. Turn on pump #1. This will discharge the solids in the portable tank into the filter bag. When the first bag is full, move the discharge tube to the other bag. When the portable unit is empty, turn the pump off. **DO NOT ALLOW THE PUMP TO RUN DRY.** The portable tank should be flushed with clean water making sure the intake hoses on the tanks are clear of any dirty water. The portable tank may be disconnected now for collection of additional slurry. Allow the filter bags to drain completely in the stationary unit and then dispose of the bags and solids.
12. The water that has drained into the bottom of the stationary tank should be pumped out of the tank and through the cartridge filter. To do this, turn valve #2 so that the arrow is pointing toward the bag rack area of the stationary unit. Turn on pump #2 and let it run until the water is at the pump intake level. **DO NOT ALLOW THE PUMP TO RUN DRY.**

A drain plug is located in the stationary unit to facilitate cleaning. Rinse the stationary unit and collect the residue and water for processing with waste slurry.

When the flow of drain water through the cartridge filter is reduced, the filter needs to be replaced. The filter normally needs to be changed once per week but may require more frequent changing depending on the volume of waste water treated.

Pan Handler Supplies and Replacement Parts

Pan Handler Additive	Part # 2120G
Pan Handler Collection Bags	Part # 1103
Pan Handler Cartridge Filter	Part # 860-9
Pan Handler Portable Receiving Tank	Part # 860-1
Impeller Kit for Transfer Pump	Part # 2473A

IMPORTANT: Liquid which has been collected in the portable collection tank must be treated at once. If it is left in the portable tank particles, can solidify and will cause damage to the pumps. The pumps are designed to move slurries, not solids.

If you have any problems or questions regarding the installation or operation of your Pan Handler, please do not hesitate to contact our customer service department, toll free at 800-237-8154. We will be happy to assist in any way we can.

VALVES & HOSES



- Valve 1** Position arrow toward portable tank to recirculate water and solids in portable tank. Operate #1 pump.
Position arrow toward stationary tank to pump solids in portable tank into filter bag in stationary tank.
Operate #1 pump.
- Valve 2** Position arrow toward portable tank to pump separated liquid from solids in portable tank into string filter in stationary tank and down the drain. Operate #2 pump.
Position arrow towards stationary tank to drain water in the bottom of the stationary tank into the string filter and down the drain. Operate #2 pump.
- Hose 1** Recirculates water and solids from #1 pump back to the portable tank. Hose #3 is the suction side of the #1 pump and hose #1 is the discharge hose back to the portable tank.
- Hose 2** Removes separated waste water from the top of the portable tank into the string filter and down the drain. Hose #2 is the suction side to #2 pump.
- Hose 3** Removes solids from the portable tank through #1 pump and into the filter bag in the stationary tank. Hose #3 is the suction side of #1 pump.



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