

PREP-TEC SYSTEMS BUCKET WASHING MACHINE

OPERATING INSTRUCTIONS

OPERATION

The buckets are washed inside and out using recycled and fresh water, FLEXO-SHIFT available from us in 25ltr containers can be added if reqd to aid the cleaning process . The machine has three rotating brushes and one fixed base brush.

The centre brush 200 dia is supplied with a detachable end section which is shaped to clean the inside bases with square corners as standard. An optional end can be obtained for cleaning radiused corner buckets if required.

The main body of the centre brush is supplied with an additional spirally wound section which is slightly larger in dia to enable the bristles to clean any indentations or irregularities to the bucket sides which are normally missed with a flat brush.

The outside brushes are a standard constant 300 dia. The maximum size of bucket which can be washed is 350 x 580 long x 50 ltr.

THE OPERATION PROCEDURE

Ensure the water supply is on to the ball float valve which will automatically fill the base tank and the pump reservoir to the correct operational level.

- A. Ensure the 3 phase – neutral and earth supply 25amp is connected to the main control panel.
This is visible by a “power on” light when main isolator switch is in the ON position on the control panel.
Check emergency STOP button is off.
- B. Open door and carefully place bucket into machine, hold bucket handle to bucket side.
Take care not to allow handle to hook under bottom spray bar!.
- C. Depending on the degree of contamination of bucket, choose either was cycle 1 – 2 – 3 on main control panel.

Operating Instructions Continued

No 1 Wash cycle approx 1 minute.

No 2 Wash cycle approx 1 ½ minutes.

No 3 Wash cycle approx 2 minutes.

D. Ensure sump sieve is clear of debris and located in position under brushes

E. Close door and engage catch to enable electrical iso-lock to make contact.

F. Press START button when “running” light is off and “ready” light is on.

The following sequence now starts:-

1. The three brushes start rotating which also turns the bucket.
2. The pump starts at the same time, this sprays the bucket inside and out with water. During the initial sequence the water flows out of the machine to waste – approx 5 – 25 seconds (adjustable by engineer). Factory set at 12 seconds.
3. The machine now stops with a 5 – 10 second time delay to enable the last remnants of the contaminated water to drain from the machine and the drain baffle to rotate to recycle position.
4. The brushes now rotate in the opposite direction and will change rotation every 25 seconds until the re-circulation wash mode is complete.
This mode is factory set at:
 - 1 – 30 secs
 - 2 – 60 secs
 - 3 – 90 secs
5. After this cycle the pump stops and fresh water is introduced through the ½ inch solenoid valve to rinse the bucket and replenish the water used during the initial wash cycle.
6. After the rinse cycle the drain/recycle baffle will re-set itself to the drain position ready to accept another bucket.
7. The bucket can now be removed from the machine.
8. **If the door is opened during a wash cycle or the emergency stop is operated the wash cycle will revert to START mode.**
9. **When a wash cycle is complete the machine cannot be restarted until the drain/recycle baffle has re-set itself to drain position (when running light goes off).**

MAINTAINANCE

DAILY

1. Wash down inside of brush compartment and brushes with hose spray provided.
2. Clean out sump sieve from under brushes. Lift and check pump for obstructions.

WEEKLY

1. Lift up top section of unit and set on internal stand.
2. Wash down drain/recycle baffle and clear of any debris. Take care not to purposely wet the baffle motor unit.
3. Completely drain machine and hose down.
4. Rinse out pump & its water holding tank. / sieve

3 – 6 MONTHS

1. Check and re-tension V belts by adjusting motor anchoring down bolts. Tension is set when movement on belt is 2 – 3 mm.
2. Grease bearing nipples.

TROUBLE SHOOTING**1. INSUFFICIENT WATER SUPPLY**

- a) Water is turned off at main valve.
- b) Non-return valve in rear of cabinet is sticking. (Remove at union and free with fingers wash out).
- c) Pump impellor is fouled. (Press emergency stop, lift and clean out, check free rotation).
- d) Clean-water solenoid valve is damaged. Replace with new part no. RS342-023.

2. WATER NOT DRAINING DURING WASH CYCLE

- a) Drain/recycle baffle is out of sequence
 1. When full cycle has completed make sure door is kept closed until running light goes out.
 2. Reset baffle motor to drain position manually by pressing black manual override on the side of the unit and turning baffle by hand to drain position.
 3. The outlet is blocked by debris. Clean out and hose through.

3. MACHINE WILL NOT START

1. Door not properly shut dis-enabling electrical iso-lok.
2. Emergency stop button is depressed.
3. Last cycle has not properly timed out.

4. MACHINE STARTS BUT BRUSHES WON'T FUNCTION

1. V belts loose. Tighten at rear of cabinet – see maintenance 3 – 6 months or replace. (Order no. 01-03-04 – V belts)
2. Brushes worn. Replace – order no 01-03-04 centre/end/outside/base. 2/3 weeks delivery. **Any further electrical problems – refer to wiring drawings or telephone supplier.**