



HONEY STIRRER

BLENDING

1.8 TONN +

OPERATIONAL DOCUMENTATION



Safety Information

This machine should only be used by trained personal only, the company operating the tank should complete site specific risk assessment and set up SOP's for the tank and their intended operation.

Do not operate or attempt to operate with the lids open.

Do not defeat or bridge out lid sensors. They are there to monitor the lids are in place and are for your safety and the safety of your work colleges.

Before carrying out any work in the tank or on the stirrer paddles you must follow standard isolation and lock out procedures. These will involve a minimum of padlocking the main isolator switch in the off position and completing any JSA and permits required by your company health and safety procedures.

The electrical control box has dangerous voltages present and should only be accessed by qualified personal.

Operation of the tank (SEW VSD Controller Model)

Blending tanks with SEW VSD controller has a start stop operation.

- To start stirrer, assure power is connected and isolation switch is on. The SEW controller will show Stop on display once powered on.
- Assure the lids are in closed position. (tank will not start if lids are in open position)
- Press green button on the SEW Controller unit to start the stirrer.
- To adjust speed of the agitator use the arrow buttons up/down. (the dial is not functional)
- To stop the stirrer, press the red button on SEW controller unit.



The other buttons on the controller should not need to be used as the programs are already set.

All lids must be down to allow the machine to start. The tank is fitted with Lid sensors to stop the agitator when lid is opened. lifting them during operation will stop the motor/ stirrer and cancel the operating mode. This refers to tanks with Flat top lid and Cone style lid with manway.

Flat top Single side opening lid tanks has one sensor on the opening side of the tank. (dual opening lid tanks have twin lid sensors to stop agitator when lids are opened).

The other lid is bolted closed. If for any reason this lid needs to be opened, then you must follow standard isolation and lock out procedures prior to opening.

To reset close lid and press the green button to start.

Operation of the tank (Stainless steel control box Model)

Blending tanks with stainless steel electrical box controller has a start stop operation.

- To start stirrer, assure power is connected and isolation switch is on.
- Assure the lids are in closed position. (tank will not start if lids are in open position)
- Press green button on Stainless steel electrical box to start the stirrer. (the green light will illuminate)
- To stop the stirrer, press the red Estop on electrical box
- Note: This controller is programmed to a set speed. If for any reason the speed is needed to be adjusted you must contact CrystechNZ and or certified electrician prior to entering electrical box to make any adjustments.

All lids must be down to allow the machine to start. The tank is fitted with Lid sensors to stop the agitator when lid is opened. Lifting them during operation will stop the motor/ stirrer and cancel the operating mode. This refers to tanks with Flat top lids and Cone style lids with manway.

Flat top Single side opening lid tanks has one sensor on the opening side of the tank. (dual opening lid tanks have twin lid sensors to stop stirrer when lids are opened).

The other lid is bolted closed. If for any reason this lid needs to be opened, then you must follow standard isolation and lock out procedures prior to opening.

To reset close lid and press the green button to start.

Operation of the door safety system

No tanks are designed or intended to be operated with the lid/door open

The controller should never be tampered with or adjusted from factory settings.

The interlock operates as follows.

- 1 – Tank door or lid is open or not in place – Tank will not start or run
- 2 – Tank door or lid is opened during operation the tank will stop and will not re-start when closed
- 3 – If the Tank door or lid interlock is disengaged during operation, put the lid in place and re-start the tank at the controller.

It is recommended that you check and test the operation of the lid interlock weekly and keep a register of this check. This is to ensure that any faults are detected and rectified early.

If a fault is found, do not use the tank, it must be locked out and tagged out immediately informing your staff of the lock-out tag-out of the tank. Engage NZM or a suitably qualified person to repair the tank before removing the lock and tag and putting the tank back into service.

Maintenance

Contact CrystechNZ to arrange and maintenance, servicing or repairs.

Before carrying out any work in the tank or on the stirrer paddles you must follow standard isolation and lock out and confined space procedures. These will involve a minimum of padlocking the main isolator switch in the off position and completing any JSA and permits required by your company health and safety procedures.

The electrical control box has dangerous voltages present and should only be accessed by qualified personal.