

Standard Operating Procedure for Sure Dose

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Title:	Standard Operating Procedure for Sure Dose operation
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1.0 PURPOSE

Standard Operating Procedure for the SURE DOSE portable dosing system.

2.0 SCOPE

SURE DOSE operator start-up procedure.

3.0 WARNINGS

- ALWAYS, Ensure that the STOP / START selector switch is in the STOP position BEFORE:
 1. Turning the KEYED switch to the ON position.
 2. Connecting plant air
 3. Making changes to the batch target value (F2).
 4. Resetting batch total (F1).
 5. Disconnecting any hose to or from the SURE DOSE system.
- Ensure all hoses are correctly connected to the SURE DOSE system PRIOR to power up of the controller or starting a batch.
- Confirm correct air pressure. Proper air pressure is stated on the front label. NEVER EXCEED 50 PSI.
- Never release the dry-disconnect fittings while the unit is running.
- Use caution when connecting and disconnecting hoses! Even "dry disconnect" type fittings may drip.
- Be aware of the local safety instructions and always work according to the common safety rules.
- General purpose units shall not be operated in hazardous locations.
- DO NOT OPEN UNIT (broken seals void all warranties)

4.0 SURE DOSE SET-UP

To begin, the feed drum/tank shall be placed on a sturdy, level and flat surface within proper working distance of the batch vessel. EXAMPLE: Floor, drum-dolly or sturdy pallet.

Next, insert the PUMP ASSEMBLY/ SUCTION ASSEMBLY (model dependent) into the feed drum and hand tighten the bung adapter. Now the DISCHARGE and SUCTION hoses may be connected (model dependent, some models only utilize a DISCHARGE hose).

Next, connect the pump air supply line from the SURE DOSE unit to the pump(model dependent) and the sensor quick connect cable from the PUMP ASSEMBLY/ SUCTION ASSEMBLY to the SURE DOSE main unit. Please note that the sensor quick connect cable can only be connected one way and each connection is KEYED to ensure proper alignment. DO FORCE and DO NOT OVER-TIGHTEN the sensor quick connect cable ends.

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5.0 AIR SUPPLY

NEVER ALLOW SUPPLY AIR TO EXCEED 50 PSI. ENSURE SUPPLY AIR IS CLEAN and DRY.

Adjust supply air regulator to match stated pressure for your unit. The stated air pressure can be found on the label located on the front of the SURE DOSE unit.

Confirm the STOP / START selector switch is in the STOP position and then proceed with connecting the PLANT AIR SUPPLY hose.

6.0 BATCHING

Prior to beginning every batch, ensure proper set-up has been achieved.

Again, confirm the STOP / START selector switch is in the STOP position, turn the KEYED OFF / ON switch to the ON position. Allow the unit sufficient warm-up time to initialize and stabilize before proceeding.

TARE (F1) the unit; simply depress the F1 key on the controller. Tare (F1) will reset the upper most display line to 0. Once the batch begins the upper most display line will reflect the value entered in F2 batch target value.

BATCH TARGET VALUE (F2); simply depress the F2 key *TWICE*, the upper most display line will show *RST-1*. Depress the bottom F3 key *ONCE*. Enter the batch target value using the F1 key to scroll right (the cursor position is identified by being brightly lit.) and the F2 key increase the place value (0-9). EXAMPLE: -0100.0 for 100lbs batch target.

Depress F3 key to accept value.

NOTE: DO NOT CHANGE THE NEGATIVE (-) SIGN IN THE FIRST PLACE VALUE, THIS MUST REMAIN NEGATIVE (-) AT ALL TIMES FOR PROPER FUNCTION.

To begin batch, confirm hand valves are open, position the STOP / START switch into the START position. Dispensing will begin immediately and will continue until the batch target value is achieved. Once the batch cycle is complete, place the STOP / START switch in the STOP position to prevent accidental over charge. To begin a new batch of the same batch target value, simply TARE (F1) the unit and select START with the STOP / START selector switch.

7.0 PAUSE A CURRENT BATCH

To pause the batch in progress, place the STOP / START switch in the STOP position. To restart, return the STOP / START switch to the START position.

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8.0 CHARGING

To charge the SURE DOSE portable dosing system, simply plug the supplied charger into the charging jack located on the side and plug into a standard 110vAC outlet. Complete charge takes four (4) hours. Disconnect charger when unit is fully charged. It is recommended to fully discharge the battery periodically to maintain health.

ONLY USE THE CHARGER PROVIDED. USE OF OTHER WILL VOID WARRANTY.

9.0 CLEANING

Flush system with water for a sufficient amount of time to remove materials. Use caution when handling hazardous materials.