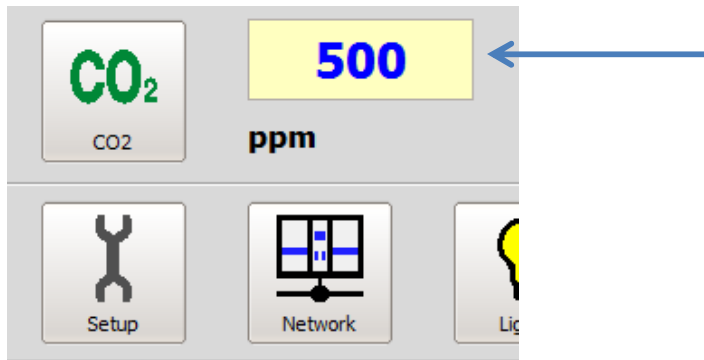


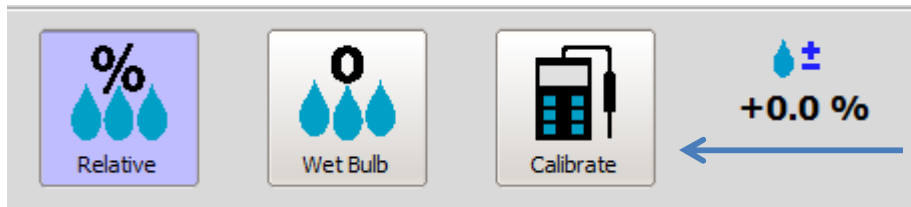
P30 Hatcher Operating Instructions

Pre-Transfer Checks

- Å With hatcher empty, fans off, protective probe cover removed and doors slightly open, the CO₂ should be 450-550ppm. If not, calibration is needed. (Refer to calibration procedures)



- Å Humidity can be calibrated to room conditions with doors open. Be sure probe protective covers removed.

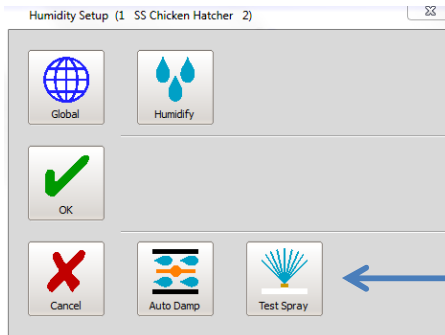




P30 Hatcher Operating Instructions

Pre-Transfer Checks

⌘ Test humidity spray from Humidity Setup (Fans must be on)



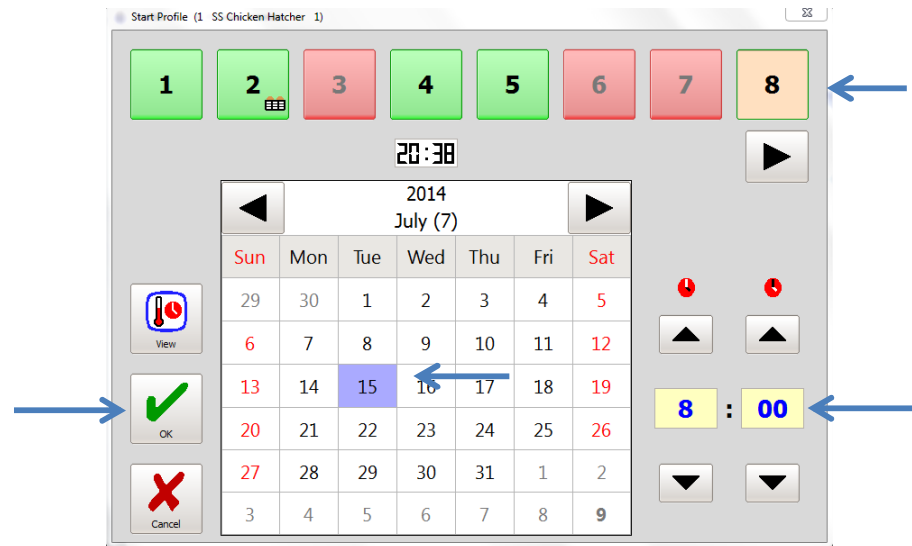
- ⌘ Check for any water leaks
 - ⌘ Check damper operating properly
 - ⌘ Check fans for proper rotation
-



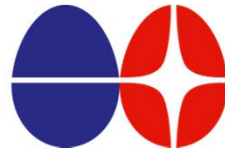
P30 Hatcher Operating Instructions

Start Hatchers 2 Hours Before Transfer with Baskets in Machines Starting the Profile

- ⌘ Select Profiles Icon
- ⌘ Select Start
- ⌘ From Start Screen Select Date Set, Profile, Enter Time, and OK



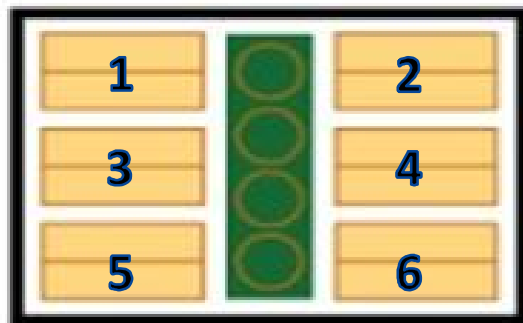
- ⌘ Disconnect humidity line until transfer is complete
 - ⌘ Ensure fans are on and protective sensor covers removed
-



P30 Hatcher Operating Instructions

Load the P30 hatcher as follows: Start with #1 then #2 right side and continue.

P30



6 Double Dollies

P30



6 Double Dollies

Once transfer is complete connect humidity line and take off alarm bypass.

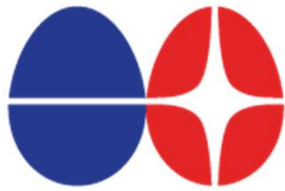


P30 Hatcher Concerns at Transfer

- ⌘ Disconnect the humidity water line while transferring or depress transfer button on display. This prevents the spray from wetting floor prior to transfer. As soon as transfer is completed in a hatcher connect the water line.
- ⌘ Never allow breaks to be taken with a hatcher partially loaded. Always take breaks when the hatchers are loaded for a particular incubator.
- ⌘ In the Jamesway P30 hatcher, if there is a problem that delays the transfer process for any length of time, put empty hatcher dollies with plastic trays in the positions not yet filled.



Pressing Transfer Icon Disables Humidity for 1 Hour



Multi Stage to P-30 Profile # 8

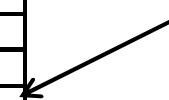
Å Profile 8 used with 8am set.

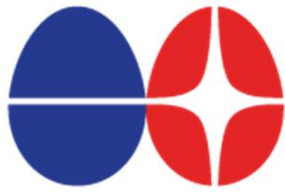
Å Profile 9 backup damper % profile (8am) in case of CO2 failure.

Turkey P30 Hatcher Profile Multi Stage 30hr Hatch Window				
Day/Hr	Temperature	Humidity	Damper CO2	Damper %
0	98.0	40%	3500 PPM	35
24.00	97.8	40%	3500 PPM	35
24.04	97.7	45%	3500 PPM	38
24.16	97.6	45%	3500 PPM	40
24.20	97.5	45%	3500 PPM	45
25.00	97.4	45%	3500 PPM	45
25.02	97.3	45%	3500 PPM	48
25.04	97.2	45%	3500 PPM	50
25.08	97.2	45%	3500 PPM	52
25.13	97.2	45%	3500 PPM	55
26.04	97.1	50%	3200 PPM	60
26.10	97.0	55%	3000 PPM	65
26.13	96.9	60%	3000 PPM	68
26.16	96.8	65%	3000 PPM	70
26.18	96.7	70%	3000 PPM	72
26.20	96.6	75%	3000 PPM	73
26.22	96.5	70%	2500 PPM	75
27.01	96.4	65%	2500 PPM	78
27.04	96.3	60%	2500 PPM	80
27.07	96.2	55%	2500 PPM	82
27.10	96.1	50%	2500 PPM	85
27.13	96.0	45%	2500 PPM	90
27.16	96.0	45%	2500 PPM	95
27.20	96.0	45%	2500 PPM	100

Note: Red Indicates Hatch Start, Peak and Finish (Hatch Curve)

Damper Profile #9





Multi Stage to P-30 Profile # 4

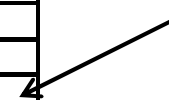
Å Profile 4 used with 4am set.

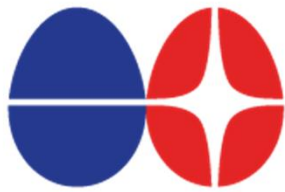
Å Profile 5 backup damper % profile (4am) in case of CO2 failure.

Turkey P30 Hatcher Profile Multi Stage 30hr Hatch Window				
Day/Hr	Temperature	Humidity	Damper CO2	Damper %
0	98.0	40%	3500 PPM	35
24.00	97.8	40%	3500 PPM	35
24.08	97.7	45%	3500 PPM	38
24.20	97.6	45%	3500 PPM	40
25.00	97.5	45%	3500 PPM	45
25.04	97.4	45%	3500 PPM	45
25.06	97.3	45%	3500 PPM	48
25.08	97.2	45%	3500 PPM	50
25.12	97.2	45%	3500 PPM	52
25.17	97.2	45%	3500 PPM	55
26.08	97.1	50%	3200 PPM	60
26.14	97.0	55%	3000 PPM	65
26.17	96.9	60%	3000 PPM	68
26.20	96.8	65%	3000 PPM	70
26.22	96.7	70%	3000 PPM	72
27.00	96.6	75%	3000 PPM	73
27.02	96.5	70%	2500 PPM	75
27.05	96.4	65%	2500 PPM	78
27.08	96.3	60%	2500 PPM	80
27.11	96.2	55%	2500 PPM	82
27.14	96.1	50%	2500 PPM	85
27.17	96.0	45%	2500 PPM	90
27.20	96.0	45%	2500 PPM	95
28.00	96.0	45%	2500 PPM	100

Note: Red Indicates Hatch Start, Peak and Finish (Hatch Curve)

Damper Profile #5





P-30 Machine Setups

Carbon Dioxide Setup (1 SS Chicken Hatcher 1)

CO ₂ % Span Conc	5000 ppm	CO ₂ High CO ₂	6500 ppm
Min Damp	25 %	Safety Day	24 day
Hysteresis	300 ppm	Damp Duty	30 %
Cancel	OK	Global	Defaults

CO₂ Setup

Humidity Setup (1 SS Chicken Hatcher 1)

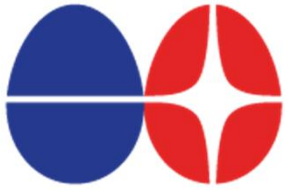
Global	Humidify	
OK		
Cancel	Auto Damp	Test Spray

Humidity Setup

Fan Setup (1 SS Chicken Hatcher 1)

	0-24	24-25	25-26	26-27	27+
▲	▲	▲	▲	▲	▲
100	100	75	80	85	90
▼	▼	▼	▼	▼	▼
Cancel	OK	Global	Select Days		

Fan Setup



Machine Cleaning and Disinfecting

Procedures: (Careful not to get Display wet)

1. Cover Sensors with protective caps.
 2. Rinse with water
 3. Apply Cleaner
 4. Scrub - Clean
 5. Rinse with water
 6. Apply disinfectant
 7. Squeegee water off floor
 8. Turn Fans on and place machine 90 minutes dry out.
-





Platinum Calibrations Temperature



- Å Machine must be up to programmed temperature(heat) and in stable state
 - Å Best to unplug humidity water line to prevent spray from spraying during calibration
 - Å Using a known properly calibrated electrotherm and plastic probe insert plastic probe into calibration hole in the top of the machine
 - Å Wait until the electrotherm temperature stabilizes
 - Å Once the temperature on the electrotherm is stable go to machine display and enter into set up menu,
 - Å Press the temperature calibration icon.
 - Å Compare the displayed temperature to electrotherm temperature
 - Å Enter the electrotherm actual temperature
 - Å An offset will be automatically entered into the machine controller thus calibrating the machine to the electrotherm temperature
-



Platinum Calibrations

Humidity



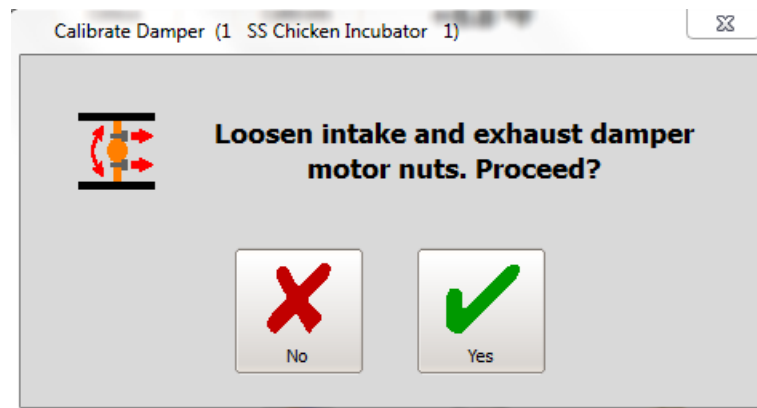
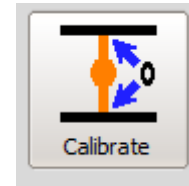
- Å With the machine running and humidity stable open the left side door of the machine and place relative humidity probe over the humidity probe
- Å Shut door and wait till the electrotherm relative humidity stabilizes
- Å Once stable go into the set up screen to humidity calibration
- Å Enter the electrotherm relative humidity value in the humidity calibration
- Å An offset will be automatically entered into the machine controller thus calibrating the machine to the electrotherm temperature

Note: Humidity can be calibrated to room conditions with doors open before transfer. Be sure probe protective covers removed.



Platinum Calibrations Damper

- Å Loosen nuts on the damper assembly (all damper)
- Å Go to set up screen and push the icon labeled Damper Calibration
- Å Press OK
- Å Damper Calibration Starts
- Å Wait until Damper Calibration is Complete
- Å Insure damper is in fully closed position and tighten nuts on damper assembly





Platinum Calibration

Carbon Dioxide Calibration Using Gas

Note: Before starting calibration go to the set up screen:

- a. Press the N2 icon – Press Reset
- b. Press the CO2 Span icon – Press Reset

Remove lower filter on the CO2 sensor

Screw the fitting attached to regulator and hose into CO2 sensor

Å Zero (N2) Calibration

Å Attach the Nitrogen (Zero) gas bottle to the regulator and hose assembly

Å Turn the gas on and insure gas is flowing 500ml/min

Å Let gas flow for 3 minutes into the sensor

Å After 3 minutes go to set up screen and push the icon labeled N2

Å Press OK

Å Exit set up – the CO2 display must read 100 PPM

Å Detach Nitrogen (Zero) gas bottle



Platinum Calibration

Carbon Dioxide Calibration Using Gas

Continued:

Span (CO₂ 5000 PPM Gas) Calibration

- ⌘ Attach the CO₂ 5000 PPM Gas bottle to the regulator and hose assembly
 - ⌘ Go to set up screen and push the icon labeled CO₂ Span
 - ⌘ Turn the gas on and insure gas is flowing
 - ⌘ Press OK
 - ⌘ Let gas flow for 3 minutes into the sensor
 - ⌘ After 3 minutes go to set up screen and push the icon labeled CO₂ Span
 - ⌘ Press OK
 - ⌘ Exit set up – the CO₂ display must read 5000 PPM
 - ⌘ Detach CO₂ 5000 PPM Gas bottle
-