


Oasis 160-190 Final Test and Inspection Sheet

System Serial Number: 2226157 Customer: Agood Software Part #: 60-12222-2 SW Rev: M3
 Pump Lot#: 170311 Cold Plate # 516703
 Set Point Range: min 2 max 45
 External Power Supply PN: 21-23949-1 (note: consult traveler MAT-346 to select proper External Power Supply)

Test or Inspection:	Applicable Procedures	Measured Value	Acceptance Level	Pass/Fail	Operator	Date	Notes
Module Impedance (System)	MAP10	176	625-875 Ω	(P) F	B	6/14	
Set Pump Flow to 500ml/min @ 9psi		500 ml @ 9 PSI	<input checked="" type="checkbox"/> G1: 500ml/min +/- 50ml/min @ 9psi +/- 0.5psi w/Koolance liq-702 <input type="checkbox"/> G2: 9-14psi @ 500ml/min w/Koolance liq-702	(P) F	B	6/14	
Tach Reading at 500ml/min		191	Data Only				
Dead Head pressure		23	≥18psig and ≤30psig	(P) F	B	6/14	
Tach Reading at Dead Head pressure		167	Data Only				
Pump Tach Freq @ 20 °C Open Flow (Hz)		199	Data Only				
Pump Tach Freq @ 20 °C 100 ml/min (Hz)		172	Data Only to set Pump Fail Frequency				
Pump Tach Freq @ 20 °C 100 ml/min (Hz) at Full Cooling		166	Data Only to set Pump Fail Frequency				
Calculate Tach Freq average between no load and full cooling		166	In Measured Value box, input the average of the previous 2 measured values.	n/a			
Select Tach Parameter Set point from chart in MAP175		178	Use average frequency calculated in previous step and input this value on this test sheet and into the Oasis unit.	n/a			
Set Controller Parameters	MAP 220	N/A	# of cyc = 0, flowunt = 1pm, alrmtmp = 5.0, offset = 0 °C, timeunt = s, pump tac = *, Pump Low = 0, Pump High = 0, P1=6.8, I1=27, D1=2, P2=3.2, I2=32, D2=2	(P) F	B	6/14	
Verify Fan + Pump Current	MAP 220	1.34	Data Only, measure with unit in standby, no TE power	(P) F	B	6/14	
Cooling Capacity (160 @ 160 watt load) (170 @ 160 watt load) (180 @ 190 watt load) (190 @ 190 watt load)	MAP 220	-.5	Delta T (Display <u>20.6</u> minus Ambient <u>20.6</u>) ≤ 0 °C Delta T (Display <u> </u> minus Ambient <u> </u>) ≤ -1 °C Delta T (Display <u> </u> minus Ambient <u> </u>) ≤ 2 °C Delta T (Display <u> </u> minus Ambient <u> </u>) ≤ 0 °C	(P) F	B	6/14	
Temp Measure Accuracy	MAP 220	19.5	20 °C readout +/- 1.0 °C	(P) F	B	6/14	
Temperature Set Point Range Entered		45	Min Max	(P) F	B	6/14	
Temperature Control	MAP 220	45	20 °C fluctuation < +/- 0.2 °C (5 min) 37 °C fluctuation < +/- 0.2 °C (5 min)	(P) F	B	6/14	
Alarms/Interlocks Functional	MAP 220	N/A	TE power off & dry contact open with pump fail, tank low	(P) F	B	6/14	
RS-232 Signals Functional	MAP 220	N/A	Set-point, Fault Signals, Actual Temp. function correctly	(P) F	B	6/14	
Drain and verify low level alarm	MAP 220	N/A	Low level alarm displays	(P) F	B	6/14	
Hardware/Fastener Inspect	MAP 220	N/A	All fasteners, hardware secure	(P) F	B	6/14	
Exterior Inspection/Labels	MAP 220	N/A	No Scratches or Smudges - Proper Labeling	(P) F	B	6/14	

Sign-Off Signature: 

Date: 6/14/16

Deliver tested Oasis with all paperwork to shipping
 Ensure all mfg paperwork is properly completed and signed off