

Job: 18-001

Profile: ³⁷⁵ 350 & 400C Apple 30 min profile

DATE: 20-Feb-23

Furnace SierraTherm 12-Zone
Model 1K14-150C72-12A sn 7289

Furnace Criteria

	MIN deg C	MAX deg C	DURATION minutes
Min	395	405	30.00
Min	640	660	10.00

375 30 min
325 30 min

Sample	Dia	High
round disc	8"	
TOTAL		

375 AP 4-0, RCP
23-10-1000

150" = 5ipm 4ipm

SierraTherm Process Configuration

Section	LOAD	COLL	1	2	3	EXH	4	5	6	7	8	9	10	11	12	TRANS	COOL1	COOL2	EXIT	UNLOAD
Start		0	11	29.25	41.75	52	55.25	67.75	80.25	92.75	105.25	117.75	130.3	142.8	155.3	167.75	194	217	236	
Length	24	11	18.25	12.5	10.25	3.25	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	26.25	23	19	8	24
End		11	29.25	41.75	52	55.3	67.75	80.25	92.75	105.25	117.75	130.25	142.8	155.3	167.8	194	217	236	244	

292
30
260

Profile	Time	ENTR COLL & BURNOUT	ZONE			POWER SETTINGS												BELT	FLOWMETER SETTINGS					Time Above deg C	COMMENT
			1 deg C /	2 deg C /	3 deg C /	ZONE 4 deg C /	ZONE 5 deg C /	ZONE 6 deg C /	ZONE 7 deg C /	ZONE 8 deg C /	ZONE 9 deg C /	ZONE 10 deg C /	ZONE 11 deg C /	ZONE 12 deg C /	SPEED in/minute	Entrance Collector SCFH	Burnout Section SCFH	Exhaust Stack IN H2O	Cooling 1 SCFH	Cooling 2 SCFH					
350		--	357	380	365	325	340	330	340	335	305	350	325	310	2.6	50	150	0.15	100	100		recipe: 480AgGls.rcp			
400		--	407	590	415	375	390	380	390	385	355	400	375	360	6	50	150	0.15	300	100		recipe 640Apple.rcp			
375 Run 1	13:05		395	395	395	370	375	380	370	370	385	375	375	385	4.0	50	150	0.05	0	100					
Run 2	13:59		400	395	380	360	365	365	365	370	365	375	380	405	4.0	50	100	0.05	0	100					
Run 3	2/21/2023 09:28		405	405	385	360	365	360	365	365	365	370	390	405	4.0	50	160	0.03	0	100					
Run 4	10:35		405	390	385	360	365	360	365	365	365	370	380	410	4.0	50	100	0.03	0	100		27:40 min > 375C			
Run 5																									
Run 6																									
Run 7																									
Run 8																									
Run 9																									
Run 10																									
Run 11																									
Run 12																									
Run 13																									
Run 14																									
Run 15																									