

Document Issued By:	Patrick Graham	Document Number:	QF-8.2-05
Document Issue Date:	4/8/05	Document Revision Level:	Rev-3.3(05/25/07)



DATAPACK

Quality Assurance Program

Serial Number: 40851 Oct.10,14

Customer: CINCINNATI INC

Model: CV15000-2PR-NF-2FILT

Red Folder Product? ☐

Engineer: _____ Eng. Sign Off Required ☐

Red Folder Revision Date (match to effective date for 07): _____

SerialNumber: 40851 Oct.10,14

Inventory Number: 800110

Tested By: Scott Smith

Voltage: 460

PH: 3

HZ: 60

Specifications

Specifications

Test	Range	Actual
Refrig Type	R407C	R407c
Fluid Type	Water/Ethylene	H2O
Optics Temp.	80F	80 F
Delta Temp.	----	19.0

Test	Range	Actual
Refrig Lbs	25	25 LBS.
Ambient Temp.	35-105	72 F
Fluid Operating Temp.	68F	68 F

Fan

Fan FAN 2

Test	Range	Actual
RLA	----	2.0
L2	----	1.7

Test	Range	Actual
L1	----	1.6
L3	----	1.7

Fan FAN 1

Test	Range	Actual
RLA	----	2.0
L2	----	1.6

Test	Range	Actual
L1	----	1.6
L3	----	1.6

Compressor

Compressor Compressor 2

Test	Range	Actual
RLA	----	15.9
L2	----	12.3

Test	Range	Actual
L1	----	12.4
L3	----	12.5

Compressor Compressor 1

Test	Range	Actual
High Pressure In/Out	/450	/ 465
Sub Cooling	----	/ 21
BTU/HR	153580	190,000
Head Pressure	175-350	267
RLA	----	15.9
L2	----	12.3

Test	Range	Actual
Low Pressure In/Out	50/25	50/25
Superheat (F)	15-20	18
Suction Pressure	60-80	68
Temp Set ON/OFF	71/65	CAREL PID
L1	----	12.5
L3	----	12.2

Pump

Pump OPTICS

Test	Range	Actual	Test	Range	Actual
RLA	----	2.6	Service Factor	1.25	X 1.15
L1	----	1.8	L2	----	1.8
L3	----	1.9	O.L. Size	----	2.9
Total Pump Flow	----	N/A	Req'd Process Flow GPM	8.7	8.7 GPM
Req'd Actual Head Press	*75 PSI MAX	63 PSI			

Pump LASER

Test	Range	Actual	Test	Range	Actual
RLA	----	5.8	Service Factor	1.25	X 1.15
L1	----	4.7	L2	----	4.9
L3	----	5.0	O.L. Size	----	6.6
Total Pump Flow	----	N/A	Req'd Process Flow GPM	20	20 GPM
Req'd Actual Head Press	*75 PSI MAX	66 PSI			

Heater

Heater

Test	Range	Actual	Test	Range	Actual
Heater ON/OFF	79/80	79/80	RLA (Amps)	----	5.9
L1	----	5.2	L2	----	5.2
L3	----	N/A			

Program

Program

Test	Range	Actual	Test	Range	Actual
Program Number Installed	-----	905214a	Program Revision Installed	-----	8/2/14

Notes:

CHECK ALL ALARMS. LOW TANK LEVEL SHOULD SHUT HEATER AND PUMP OFF.

Dead Head Pump

SS Set bypass to not exceed 85 psi. Set for both circuits

Cincinnati Incorporated supplemental testing check list

SS Set Laser pump bypass at 20 GPM, check pump bypass for excessive noise.

SS Set Optics pump bypass at 8.7 GPM, check pump bypass for excessive noise.

SS Verify fuses are installed per drawing

SS Verify pump amps are below drawing/nameplate.

SS Complete Testing tandem compressors that stage on/off procedure.

SS Cycle test unit 10 seconds on/10 seconds off for 30 min.

SS Check for plumbing leaks

SS Run Laser and Optics pump at dead headed condition for 1 hour. Pressure should be approximately 95-100 psi.

SS Check for plumbing leaks

SS Set bypass to not exceed 85 psi. Set for both circuits

SS Verify pump overloads are set per standard (pump= FLA*1.25) (Laser Pump Set 7.25, Optics Pump Set 3.25)