

AIRTEK

PREMIUM PRODUCTS FOR INDUSTRY

Warranty & Procedure Manual





Contents

ProcedurePage 2

AuthorizationPage 3

Reimbursement RatesPage 3

Warranty Freight for Unit ReturnsPage 4

Warranty Parts and ReturnsPage 4

Smart Cycle/Cold Trap, DA and Elite Series CoveragePage 5

Standard Refrigerated Dryer WarrantyPage 6

Refrigerated Rate SchedulePage 7

Twin Tower and Turbo Dryer CoveragePage 8

Standard Desiccant WarrantyPage 9

Desiccant Dryer Flat Rate SchedulePage 9

What's Not Covered ALL WarrantiesPage 10

Filter WarrantyPage 11

After Cooler WarrantyPage 11

Procedure for After CoolersPage 11

After cooler ExclusionsPage 11

Chargeable Service CallsPage 12

Warranty RegistrationPage 12

International WarrantyPage 12

DisclaimerPage 12

ConclusionPage 12

Warranty Claim ReportsPage 13-16

Warranty Procedure

Airtek believes in giving the most expedient service possible to our customers. In order to accomplish this the most important step for our customers and/or distributor is to call us at 1-800-451-6023 immediately in the event of a potential warranty situation.

The phone calls assures:

- a. The customer is in direct communication with the factory.
- b. That we can diagnose the problem and perhaps remedy it over the phone. In most cases we can determine the root cause of the problem through a simple phone call.
- c. That we have access to any parts that may be needed for repair. This eliminates time and travel by making one trip with parts in hand.

After the phone call has been placed, and if service is necessary, we will authorize our distributor or local service house to perform the needed work.

For problems that develop after hours, please call 716-982-3271. Any work performed will be adjusted to our flat rate schedule.

It is important when a call is placed to us for a potential warranty situation, that the following information be provided:

- Model & Serial Number
- Start Up Date
- Company Name
- Phone Number
- Contact Person
- Specific Nature Of Complaint (Diagnostic Code, High Dew Point, Etc.)

Performance, Reliability, Innovation, Design, Excellence



Authorization

Authorization is given in the form of an Authorization/Purchase order number. A dollar amount is assessed at the same time authorization per our flat rate schedule.

After the repair has been made, an Airtek Warranty Claim Report or standard work report noting the authorization number, must be forwarded to us within 30 days of the service date. This will ensure a prompt credit and avoid confusion of invoices and paperwork.

IMPORTANT

Any claim submitted without our knowledge or proper authorization, will be denied.

Reimbursement Rates For Service/Distributors

To better serve our distributors and service establishments we have studied reimbursement rates of our competitors as well as service rates from service and mechanical contractors from across the country. We have arrived at the following rates for warranty reimbursement:

- Labor - Airtek will pay 80% of published distributor service rates up to a maximum of \$65.00 per hour.
- Travel Time- \$35.00 per hour (Maximum 4hrs, 45 miles (min) equals 1 hour
This excludes any extra parking costs or tolls.
- Mileage- \$.45 per mile (Maximum 200 miles round trip. 201miles and longer must receive prior authorization.)

IMPORTANT

These reimbursement rates are for one technician only. We do not pay for apprentice and/or helpers time. Expenses such as meals, rental equipment, lodging is not covered in any way.

Freight For Unit Returns

If a unit is deemed non-repairable in the field by an Airtek Technician, a Return Materials Authorization (RMA) number along with a specific carrier will be issued. Any unit returning without an RMA or non-specific carrier will be refused. Refrigerated units in their second year of warranty are to be returned Freight prepaid.

Warranty Parts & Returns

Products or components shall not be considered defective if they substantially fulfill performance requirements set forth in our literature and are manufactured in accordance with our specifications or government specifications when applicable.

In the event a part is required to complete a warranty repair the following steps will occur:

1. A standard parts order must be placed with our service department using a purchase order number.
2. All replacement parts will be shipped ground service. If the customer requests a more expedient delivery the extra cost will be the customers responsibility.
3. The distributor that placed the order will receive an invoice for the part. The invoice will contain a Return Material Authorization (RMA) number.
4. After the part has been replaced, the defective part must be returned to Airtek within 30 days. The RMA must be referenced when returning the part.
5. If the distributor or service establishment chooses to purchase any part locally or use their stock parts, we will replace your stock or credit your account at Airtek's cost for that part.
6. If the part is found to be defective upon evaluation, credit will be issued against the original invoice.

NOTE

Replacement components will be warranted for (6) months from date of shipment from factory, or for balance of the original warranty period, whichever is longer. Labor is not covered on replacement parts for dryers out of their labor portion of warranty.



Refrigerated Air Dryer Coverage

The SmartCycle/ColdTrap, Elite and DA Series Refrigerated Air Dryers are covered under a Limited Five (5) Year Warranty, and a Limited Ten (10) Year Heat Exchanger Warranty (excludes DA Series). The first year is a field parts and labor warranty. If the customer chooses they may return the dryer to the factory, and Airtek will cover parts and labor as well as freight both ways. The customer or distributor must call Airtek for freight arrangements.

IMPORTANT

Any Unit shipped to us collect without our knowledge, or without proper return information, will be refused.

Our dryers are to be free from defects in material and workmanship (under proper use, installation and maintenance) for the stated period of one (1) year from date of start up or 18 months from date of shipment, whichever occurs first. The warranty starting period may be delayed up to six (6) months. It may be postponed longer if a specific application in writing to Airtek is approved.

EXAMPLE:

Ship Date	1/1/01	
Start-up Date	2/1/01	
1st Year Coverage To	2/1/02	
Parts Coverage	1/1/03	
Ship Date	1/1/01	
Start-up Date	8/1/01	6 months came first
1st Year Coverage To	7/1/02	18 months after shipment
Parts Coverage	1/1/03	
Ship Date	1/1/01	
Start-up Date	8/1/02	More than 18 months
1st Year Coverage To	--	No coverage
Parts Coverage	1/1/03	

Refrigerated Air Dryer Coverage

Warranty Coverage:

- Refrigeration Compressor
- Refrigeration Components (Expansion Valve, Solenoid Valve, Pressure Switch, Etc.)
- Electrical Components (Control Panel, Fan Motor, Contractors, Etc.)
- Instrumentation (Refrigerant Gauges, Air Pressure Gauges, ETC.)
- Electronic Drains. (See page 10 for exclusions.)
- Hot Gas By-Pass Valve (See page 10 for exclusions.)

1st Year	100% Parts and Labor
2nd Year ¹	100% Parts and 0% Labor
3rd Year ²	60% Parts and 0% Labor
4th Year ²	40% Parts and 0% Labor
5th Year ²	20% Parts and 0% Labor

NOTE

1. 100% Parts covered. Labor covered if unit is shipped back to factory for repair. Customer pays freight 1 way
2. Customer pays freight to and from factory.

- 10 Year Heat Exchanger Warranty (Re-Heater and Evaporator)

1-12 Month:	100% Parts and 100% Labor
13-60 Month:	100% Parts and 0% Labor
61-72 Month:	75% Parts and 0% Labor
73-84 Month:	50% Parts and 0% Labor
85-96 Month:	25% Parts and 0% Labor
97-120 Month:	10% Parts and 0% Labor

Job site is defined as within the continental United States and within 200 miles round trip of an authorized service center. Over 200 miles round trip requires authorization from Airtek. Units in remote regions must contact Airtek for instructions.

Airtek reserves the right to require the unit be shipped back to the factory when it deems necessary for proper repair. Airtek will make freight arrangements.



Refrigerated Rate Schedule

		Models in SCFM											
		10 20	30 40 60	80 100 130 165	200 250 330	400 500 650	800 to 1200	1500 to 2000	2500 to 3000	3500 to 6000	6500 to 9000	10000 to 12500	15000 and larger
Code	Description	Allotted Hours											
1	Trouble Shooting	1	1	1	1	1	1	1	1	1	1	1	1
2	Flare Leak/Tightening	R	R	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
3	Flare Leak/ Re-Flare	R	R	1	1	2	2	2	2	2	2	2	2
4	Cap Tube Leak	R	R	1	1	1	1	1	1	1	1	1	1
5	Braze Leak (3)	R	R	1	1	1	1	1	1	1	1	1	1
6	Braze Leak (4)	R	R	1	1	1	2	2	2	4	4	4	4
Parts Replacement													
7	Compressor	R	R	2	2	3	3	2	2	3	3	3	3
8	Inside Compressor (1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.5
9	Fan Motor	R	1	2.5	2.5	2.5	2.5	2.5	1	1	1	1	1
10	Fan Blade	R	1	2	2	1	1	1	1	1	1	1	1
11	Pressure Switch	R	R	1	1	1	1	1	1	1	1	1	1
12	Unloader/Suction Solenoid	R	R	2	2	3	3	3	3	3.5	3.5	4	4
13	Expansion Valve	R	R	2	2	3	3	3	4	5	5.5	6	6
14	Control Board	NA	1	1	1	1	1	1	1	1	1	1	1
15	Dew Point/ Suction Probe	NA	1	1	1	1	1	1	1	1	1	1	1
16	Ambient/Inlet Probe	NA	NA	NA	1	1	1	1	1	1	1	1	1
17	Crankcase Heater	NA	NA	1	1	1	1	1	0.5	0.5	0.5	0.5	0.5
18	Fan Contactor/Overload	NA	NA	NA	1	1	1	1	1	1	1	1	1
19	Transformer	NA	NA	NA	1	1	1	1	1	1	1	1	1
20	Fuses	NA	NA	NA	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
21	Condenser Relief Valve	NA	NA	NA	1	1	1	2	2	3	4	4.5	5
22	Water Cooled Condenser	NA	NA	2	2	2	3	3	3	4	5	5.5	6
23	Liquid Drier/Sightglass (2)	NA	NA	NA	NA	NA	3	3	4	4	5	5	6
24	Water Valve	NA	NA	NA	1	1	2	2	2	2	2	2	2
25	Gasket - Evaporator or Reheater	NA	NA	NA	0.5	0.5	1	1	2	3	3	4	5
26	Gasket - Air Side Piping	NA	NA	0.5	0.5	0.5	0.5	1	1	1	1	1	1
27	Gasket - Watercooled Cond.	NA	NA	NA	NA	NA	1	1	1	1	1	1	1
28	Air Pressure Gauge	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
29	Refrigerant Pressure Gauge	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
30	Circuit Breaker	NA	NA	NA	NA	NA	NA	NA	1	1	1	1	1
31	Dew Point Cable/Sensor	NA	NA	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
32	Suction Filter (2)	R	R	0.5	0.5	0.5	0.5	0.5	1	1	1	1	1
33	Drain Valve	COVERED UNDER PARTS ONLY WARRANTY											
34	Drain Float	NA	NA	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
35	Solenoid Coil	NA	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
36	Evaporator Repair/Replace	CF	CF	CF	CF	CF	CF	CF	CF	CF	CF	CF	CF

Notes: **R= Replace Unit NA=Non Applicable CF= Consult Factory (5)**

(1) Inside designation applies to multi-compressor systems only.
 (2) Replacement required only in the event of a compressor burnout or exposure to atmosphere.
 (3) Braze leak that can be isolated.
 (4) Braze leak that cannot be isolated (requires reclai of condenser/reciever, or pumpdown of evaporator).
 (5) Consult factory for rate allowances prior to job being performed.

Consult factory for repairs not listed
 Rates include reclaiming & vacuum time
 Recover, evacuate & recharge to 4 hp - 2 hrs
 Recover, evacuate & recharge above 4 hp - 4 hrs

Twin Tower and Turbo Dryer Coverage

Our desiccant or regenerative dryers are equipped with a one year field parts and labor warranty. If the customer chooses he may return the dryer to the factory, and we will cover parts and labor as well as freight both ways. The second option requires a call to us for freight arrangements. Any unit shipped to us collect without our knowledge will be refused.

Our dryers are to be free from defects in material and workmanship (under proper use, installation and maintenance) for the stated period of one (1) year from the start-up date or 18 months from the delivery date, whichever occurs first. The warranty starting period may be delayed up to six months. It may be postponed longer if a specific application in writing to us is presented to delay the warranty-starting period.

EXAMPLE:

Ship Date	1/1/01	
Start-up Date	2/1/01	
Coverage To	2/1/02	
Ship Date	1/1/01	6 months came first
Start-up Date	8/1/01	18 months after shipment
Coverage To	7/1/02	
Ship Date	1/1/01	
Start-up Date	8/1/02	More than 18 months
Coverage To	--	No coverage

What's Covered By Standard Desiccant Dryer Warranty

The Standard one-year warranty covers:

- Inlet Valves
- Exhaust Valves
- Check Valves
- Purge Regulator
- Sequence Annunciator
- Instrumentation
- 4-Way Switch Valves
- Pneumatic Butterfly Valves (5 Year Warranty; 1 Year Labor)
- Control Center
- Repressurization Solenoid
- Electrical Components
- Heater (10 Year Warranty; 1 Year Labor)

Parts and labor covered by Airtek at the job site.



Standard Desiccant Dryer Warranty

Job site is defined as within the continental United States and within 200 miles round trip of an authorized service center. Over 200 miles round trip requires authorization from Airtek. Units in remote regions must contact Airtek for instructions.

Airtek reserves the right to require the unit be shipped back to the factory when it deems necessary for proper repair. Airtek will make freight arrangements.

Desiccant Dryer Hourly Flat Rate Schedule

		Models in SCFM		
		10 to 55	75 to 800	1000 and Up
Code	Description	Allotted Hours		
1	Troubleshooting/Heatless	1	1	1
2	Troubleshooting/Heated	NA	1	1
3	Inlet or Exhaust Valve Rebuild or Replace	NA	1	1
4	Inlet Switching Valve/Rebuild or Replace	1	NA	NA
5	Purge or Outlet Check Valve Rebuild/Replace	1	1	1
6	Purge Regulator Replacement	1	1	1
7	Control Solenoid Replacement	1	1	1
8	Contactor Replacement	NA	1	1
9	Relay Replacement	NA	1	1
10	Heater Temp. Control Replacement	NA	1	1
11	Heater Over Temp. Control Replacement	NA	1	1
12	Thermocouple Replacement	NA	1	1
13	Control Board Replacement (Heatless)	1	1	1
14	Control Center Replacement	NA	1	1
15	Gauge Replacement	0.25	0.25	0.25
00	Drain Solenoid Replacement	Labor Not Covered, Parts Only		

R= Replace Unit NA=Non Applicable CF= Consult Factory

This chart has been developed over an extensive period of time. It is based on not only our technicians' time but outside service technicians as well.

What's Not Covered ALL Warranties

What is not covered by the standard warranty for all refrigerated and desiccant dryers.

- Damage caused by accident
- Damage caused by fire, theft, freezing, vandalism
- Damage caused by operation outside the rating conditions
 - a. Operation of the dryer in ambient temperature over rated temperature
 - b. Operation of the dryer with the inlet air temperature over rated temperature
 - c. Operation of dryer in excess of rated SCFM*
 - d. Operation of dryer in excess of rated PSIG*

*Unless specifically rated for abnormal conditions

- Damage caused by corrosion due to environment and/or chemical treatments.
- Damage caused by lack of maintenance
Damage caused by failure to follow requirements of the maintenance schedule is not covered. Proof of proper maintenance is the owner's responsibility. Keep all records and make them available if questions arise about maintenance.

- Freight Damage

Freight damage is not covered under warranty. Should your dryer incur freight damage, file a claim with the carrier immediately. At the option of the claimant, you may contact Airtek for guidance in locating a local contractor to do a thorough investigation and estimate of repair for freight claim submittal to the carrier. You may also return the dryer to Airtek, freight prepaid. The factory will perform the repairs chargeable to the original signee. The customer would then include these costs to their freight claim.

- Dryer Alteration by Distributor or End User

This warranty does not cover alteration of the dryer or failure of dryer caused by alterations.

- Economic Loss

This warranty does not cover any consequential damage, economic loss, extra expense including payment for the loss of time, pay, inconvenience, storage, removal, reinstallation, loss of dryer use, dryer rental expense, lodging, meals, or other travel.

- Maintenance

Performing normal maintenance as detailed in the maintenance schedule is not covered and is to be done at the customer's expense, including cleaning condenser, drains, filters, mufflers, etc.

- Travel Cost

Travel beyond 200 miles round trip without authorization.

- Travel Time

Travel time beyond 4 hours round trip without authorization.



Filter Warranty

All Airtek filters are warranted for 1 Year parts only.

Air & Water Cooled After Cooler Warranty

Air and water cooled After Coolers are warranted to be free from defects in material and workmanship under normal use and service for a period of twelve (12) months from date of start up or eighteen (18) months from date of shipment, whichever comes first. In all cases, Airtek must be given a reasonable opportunity to make an investigation of any asserted defects and the buyer shall return any alleged defective material to the factory at the buyer's expense.

In no event shall Airtek be liable for consequential or special damages. Components and/or accessories furnished by the seller or by third parties are warranted only to the extent of the original manufactures warranty to Airtek.

After Coolers Warranty Procedure

Any and all warranty repairs performed at the factory will be free of charge. Any item returned to the factory for warranty must have prior authorization in the form of a Return Material Authorization Number and must be shipped to Airtek freight prepaid.

Should the customer elect not to return the unit to the factory, Airtek will limit its warranty responsibility to exchange of replacement parts and excludes all labor costs.

After Coolers Exclusions

- All labor to remove or install replacement units.
- All labor to crate and ship replacement units.
- All Travel time to inspect or check unit.

Chargeable Service Calls

Airtek reserves the right to decline any warranty claim, with or without proper authorization, in which a non-warrantable condition was found. In the event this occurs, the customer shall be billed for the call as a standard service call.

Warranty Registration

Each Refrigerated and Desiccant Dryer comes with a warranty registration card. **The card must be filled out and returned to Airtek within 30 days of start up to receive warranty.**

International Warranty

Our policies cover equipment within the United States and Canada. Any refrigerated units shipped to or sold outside the United States or Canada will carry a two (2) year parts only warranty. Any desiccant units shipped to or sold outside of the United States or Canada will carry a one (1) year parts only warranty. Overseas shipping costs, duties or taxes will be the responsibility of the customer.

Disclaimer

Airtek makes no other warranty of any kind whatsoever, expressed or implied. All warranties of merchantability and fitness for a particular purpose are hereby disclaimed by Airtek. Airtek shall in no case subject to any obligation or liability whatsoever with respect to product or services manufactured or furnished by Airtek or any omission relating hereto. The remedy provided under this warranty shall be the sole, exclusive, and only remedy provided to the purchaser. Under no circumstances shall Airtek be liable for any special, indirect, incidental or consequential damage, losses or delays however caused.

Conclusion

We stand behind our products and provide the most professional and expedient service to our customers.



Refrigerated Invoice Information

Problem Code

Labor Hours: _____ @ Max \$65 / Hr. = _____ Total Based on 80% distributors published rates
Maximum of \$65/hr

Travel Hours: _____ @ \$35.00 / Hr. = _____ Total Maximum 4 Hour

Mileage: _____ @ \$.45 / Mi. = _____ Total Maximum 200 Miles round trip

Repair Parts Supplied By Factory	Qty used	Part #	Description

Repair Parts Supplied By Distributor	Qty used	Part #	Description

Code	Description	Models in SCFM											
		10 to 20	30 to 60	80 to 100 to 130 to 165	200 to 250 to 330	400 to 500 to 650	800 to 1200	1500 to 2000	2500 to 3000	3500 to 6000	6500 to 9000	10000 to 12500	15000 and larger
1	Trouble Shooting	1	1	1	1	1	1	1	1	1	1	1	1
2	Flare Leak/Tightening	R	R	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
3	Flare Leak/ Re-Flare	R	R	1	1	2	2	2	2	2	2	2	2
4	Cap Tube Leak	R	R	1	1	1	1	1	1	1	1	1	1
5	Braze Leak (3)	R	R	1	1	1	1	1	1	1	1	1	1
6	Braze Leak (4)	R	R	1	1	1	2	2	2	4	4	4	4
Parts Replacement													
7	Compressor	R	R	2	2	3	3	2	2	3	3	3	3
8	Inside Compressor (1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.5
9	Fan Motor	R	1	2.5	2.5	2.5	2.5	2.5	1	1	1	1	1
10	Fan Blade	R	1	2	2	1	1	1	1	1	1	1	1
11	Pressure Switch	R	R	1	1	1	1	1	1	1	1	1	1
12	Unloader/Suction Solenoid	R	R	2	2	3	3	3	3	3.5	3.5	4	4
13	Expansion Valve	R	R	2	2	3	3	3	4	5	5.5	6	6
14	Control Board	NA	1	1	1	1	1	1	1	1	1	1	1
15	Dew Point/ Suction Probe	NA	1	1	1	1	1	1	1	1	1	1	1
16	Ambient/Inlet Probe	NA	NA	NA	1	1	1	1	1	1	1	1	1
17	Crankcase Heater	NA	NA	1	1	1	1	1	0.5	0.5	0.5	0.5	0.5
18	Fan Contactor/Overload	NA	NA	NA	1	1	1	1	1	1	1	1	1
19	Transformer	NA	NA	NA	1	1	1	1	1	1	1	1	1
20	Fuses	NA	NA	NA	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
21	Condenser Relief Valve	NA	NA	NA	1	1	1	2	2	3	4	4.5	5
22	Water Cooled Condenser	NA	NA	2	2	2	3	3	3	4	5	5.5	6
23	Liquid Drier/Sightglass (2)	NA	NA	NA	NA	NA	3	3	4	4	5	5	6
24	Water Valve	NA	NA	NA	1	1	2	2	2	2	2	2	2
25	Gasket - Evaporator or Reheater	NA	NA	NA	0.5	0.5	1	1	2	3	3	4	5
26	Gasket - Air Side Piping	NA	NA	0.5	0.5	0.5	0.5	1	1	1	1	1	1
27	Gasket - Watercooled Cond.	NA	NA	NA	NA	NA	1	1	1	1	1	1	1
28	Air Pressure Gauge	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
29	Refrigerant Pressure Gauge	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
30	Circuit Breaker	NA	NA	NA	NA	NA	NA	NA	1	1	1	1	1
31	Dew Point Cable/Sensor	NA	NA	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
32	Suction Filter (2)	R	R	0.5	0.5	0.5	0.5	0.5	1	1	1	1	1
33	Drain Valve	COVERED UNDER PARTS ONLY WARRANTY											
34	Drain Float	NA	NA	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
35	Solenoid Coil	NA	NA	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
36	Evaporator Repair/Replace	CF	CF	CF	CF	CF	CF	CF	CF	CF	CF	CF	CF

R= Replace
 NA= Not Applicable
 CF= Consult Factory



4087 Walden Ave.
Lancaster, NY 14086
716.685.4040 p.
716.685.1010 f.

Desiccant Warranty Claim Report

INSTRUCTIONS: *Authorization must be obtained before work is performed.* A service technician shall complete and return this form (or standard form), a distributor invoice may accompany the report. The service report will be used to speed the process of all claims, it should be as accurate and complete as possible. Claims without authorization will be denied.

SERVICE DATE: _____

Authorization #

START-UP DATE: _____

Distributor: _____	End User: _____
Address: _____	Address: _____
Contact: _____	Contact: _____
Phone: _____ Fax: _____	Phone: _____ Fax: _____
Email: _____	Email: _____

Dryer Information

Dryer Model: _____ Serial #: _____

Special Options: _____

Service Technician: _____

Conditions

Ambient Temp: _____ Operating Pressure: _____ Compressor HP: _____

Inlet Flow: _____ Inlet Temp: _____

TW Settings

Purge Setting: _____ Board Setting: _____ 100% Load _____ 75% Load _____ 50% Load

_____ Short Cycle _____ E _____ F _____ G _____ Test CycleLoc _____

Pressure: _____ Left Tower _____ Right Tower _____ Purge Gauge

Status Lights: (x-when on) Drying: _____ Left _____ Right Regenerating: _____ Left _____ Right Repressurizing _____

Dew Point (optional): _____

TWP /TWB Settings

Heater Thermostat Setting: _____	PLC Status Lights: _____
Toggle Switch Position: _____ Heated _____ Heatless:	(indicate which LED's are on) _____
PowerLoc: _____ ON _____ Off	PowerLoc (optional): _____ Dew Point _____ D.C. Active
Manual Stepping: _____ ON _____ Off	_____ Regen. _____ High Humidity
Left Tower Temp: _____ Top _____ Bottom _____ PSIG	Incoming Power _____ L1 _____ L2 _____ L3
Right Tower Temp: _____ Top _____ Bottom _____ PSIG	Blower Discharge Pressure: _____
Heater Temp: _____ Purge Setting: _____	Blower Discharge Temp: _____
Status Lights: (x-when on)	Blower Amp Draw: _____ L1 _____ L2 _____ L3
Left Tower: _____ Drying: _____ Regenerating: _____	Heater Amp Draw: _____ L1 _____ L2 _____ L3
Right Tower: _____ Drying: _____ Regenerating: _____	Total Amp Draw (TWB ONLY): _____
Heating: _____ Repressurizing: _____ Blower On: _____	



Desiccant Invoice Information

Work Performed	_____

Problem Code

Labor Hours: _____ @ Max \$65 / Hr. = _____	Total	Based on 80% distributors published rates Maximum of \$65/hr
Travel Hours: _____ @ \$35.00 / Hr. = _____	Total	Maximum 4 Hour
Mileage: _____ @ \$.45 / Mi. = _____	Total	Maximum 200 Miles round trip

Repair Parts Supplied By Factory	Qty used	Part #	Description

Repair Parts Supplied By Distributor	Qty used	Part #	Description

		Models in SCFM		
		10 to 55	75 to 800	1000 and Up
Code	Description	Allotted Hours		
1	Troubleshooting/Heatless	1	1	1
2	Troubleshooting/Heated	NA	1	1
3	Inlet or Exhaust Valve Rebuild or Replace	NA	1	1
4	Inlet Switching Valve/Rebuild or Replace	1	NA	NA
5	Purge or Outlet Check Valve Rebuild/Replace	1	1	1
6	Purge Regulator Replacement	1	1	1
7	Control Solenoid Replacement	1	1	1
8	Contactor Replacement	NA	1	1
9	Relay Replacement	NA	1	1
10	Heater Temp. Control Replacement	NA	1	1
11	Heater Over Temp. Control Replacement	NA	1	1
12	Thermocouple Replacement	NA	1	1
13	Control Board Replacement (Heatless)	1	1	1
14	Control Center Replacement	NA	1	1
15	Gauge Replacement	0.25	0.25	0.25
00	Drain Solenoid Replacement	Labor Not Covered, Parts Only		

R= Replace
 NA= Not Applicable
 CF= Consult Factory



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