



Compressed Air & Gas Treatment On-Site Gas Generation Process Cooling



2024
Warranty Guide

About us

Experience.

Our team is comprised of and supported by individuals spanning all disciplines from research & development, engineering & manufacturing, marketing & sales and service & support. Our backgrounds are in compressed air and gas purification, on-site gas generation and process cooling. Our experience in these fields spans a wide range of industries. We combine this knowledge and experience to ensure our products and services are designed and provided to meet the objectives and expectations of you – our Customer.

Customer.

We recognize that our customers are not only our valuable distribution partners who sell and support our products or the machine builders who depend on them as protection for their equipment. They are the contractors who install them, the manufacturers who use them in their processes and the service people who maintain them. At nano, we have developed our products, packaging and support materials to ensure they exceed all of our customers' expectations.

Service.

At nano, we recognize that world-class customer service is the most important component to any successful business. Your business needs to exceed your customers' expectations to stand out from your competitors and our service must positively impact your business so you can be successful in doing so. Our commitment is simple... we will stand behind our products and ensure that our customer service is unrivalled in the industry.



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Technical specifications subject to change without notice. Direct inquiries to support@nano-purification.com or contact 704.897.2182.



nano-purification solutions is continually expanding its products and policies to better assist you with your compressed air and gas treatment needs. For assistance, please contact support@nano-purification.com or call 704-897-2182. nano-purification solutions reserves the right to update this document at any time. If this revision is more than 90 days old, please contact us to ensure you have the latest copy.

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2024 Warranty Policy

Introduction

nano-purification solutions is pleased to provide you the following comprehensive warranty policy. This document outlines our standard product warranty for all products we offer and an understanding of our warranty procedures, coverage and time allowances. The goal is to better serve you by ensuring accuracy and consistency on warranty claims filed with us to provide fast resolution of claims and high customer satisfaction. Our sincere thanks for your support of nano products and we hope this manual provides the appropriate support for you, our valued distributor and your customers.

General Guidelines

Proper use of the warranty policy procedure is intended to ensure timely processing of any product claims to nano.

- The customer should understand the policy to ensure proper coverage. If there are extenuating circumstances, please contact nano for approval prior to performing any work.
- When the customer needs to use a local service company (due to unavailability of qualified technicians locally, through an nano distributor, contractor or through nano direct), the customer needs to be informed that nano will reimburse only to our policy time allowances and \$/hr as stated in the “reimbursement rates for service” section below.
- If the true root cause of the issue is due to misapplication, abuse, changed settings, lack of appropriate maintenance, etc., The customer will need to bear the cost of repair.
- nano does not offer recommendations on facility hook up of our units (piping type, piping layout, electrical hook ups, etc.). This is the responsibility of the customer or their general contractor.
- nano requires a review of any claim which will result in a claim greater than \$2,000 prior to any work performed or product replaced. This will allow all parties the opportunity to make the best decision for the customer.
- nano recommends not to repair units where the cost to do so exceeds 70% of the cost of a new unit.
- nano requires customers to submit freight damage claims with the carrier as that is the responsibility of the customer. This is the last opportunity to ensure the carrier is held responsible for any loss or damage that occurred during transportation. The type of notation placed on the carrier’s freight bill may well determine if the customer is able to recover the full actual loss. The customer must take the time to make a full and complete inspection at the time of delivery. Nano will not be held responsible for freight damage.

By following these guidelines we can provide consistency in application of our policy, reduce customer costs and provide a positive warranty experience for our customers.



Claim Process

- Proper installation procedures should be followed and all required maintenance performed on the purchased unit. Improper installation and inadequate maintenance will void any warranty on the product.
- In the event that a product under warranty requires service, a trip can be made by the qualified technician of your staff. If you do not have qualified technicians on staff, the nano technical support department can be reached at 704-897-2182 so that a nano contracted technician can be utilized or assist on the phone to resolve the issue.
- If it is found that a replacement component is required to complete the repair, a standard parts order must be placed with nano. Prior authorization is required for any part purchased locally and will only be authorized if the part is not available through nano. Any part purchased locally without authorization will not be reimbursed on the warranty claim and will void any future warranty. Once the replacement part arrives, a trip to the site will then be made to replace the defective component. Do not discard the defective part after the repair.
- Within 60 days of completion of the job, a warranty claim must be filed using a completed nano warranty claim form along with the associated service report. The amount of labor claimed must match the nano rate schedule and the allowable time allotments based on the type of repair. If any parts were required in the repair, they will also need to be included on the claim form referencing the sales order the part was purchased under. In the event the parts used were from your stock please note as such. Any special circumstances requiring labor or travel (i.e. Multiple trips or exceeding mileage and/or travel time) above and beyond the time allowance must be authorized in writing by nano prior to the repair. Any additional labor used beyond the rate schedule will be the responsibility of the distributor/customer.
- Upon receipt of the claim, nano will review and determine if the parts replaced need to be returned. If a part is required to be returned, a return material authorization (RMA) packing slip will be provided with an associated RMA number. The part will then need to be returned to nano within 45 days accompanied by the RMA packing slip placed on the package. If the repaired part does not need to be returned you will be advised to field scrap it and the claim will be processed. Proof of the defect (written description and pictures of the parts/units in question) is required.
- On claims that require repaired parts return, the claim will be processed after the part has been evaluated by the nano technical support team. The claims will be paid in the form of a credit to the customer's account.
- On claims that require unit removal (including rental units), nano will reimburse 3 hours labor maximum removal and replacement time. Due to application variances, this does not include any other associated costs with removal.
- On claims involving part or unit repair/removal, reimbursement will only cover the labor (in accordance with allowable service times) to perform such acts. It does not include any miscellaneous parts, disposal, equipment rentals, etc.
- These warranties are exclusive and in lieu of all other warranties, or conditions, written or oral, expressed or implied, including, without limitation, all warranties, or conditions, of merchantability or fitness for a particular purpose, all of which are disclaimed. Correction of non-conformities as set forth herein this warranty guide shall be buyer's exclusive remedy and shall constitute fulfillment of all liabilities of seller whether in warranty, strict liability, contract, tort, negligence, or otherwise with respect to the quality of or any defect in products or associated services delivered or performed hereunder.





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Exceptions

- Consumable components (filter elements, drains, etc.).
- Defects due to force majeure.
- Any component that was added and/or modified by personnel not authorized by the seller.
- Defects arising from incorrect installation and/or from insufficient maintenance or cleaning.
- Defects and/or malfunctions arising from improper use.
- Defects arising from faults, excess or lack of distribution of electric power, water and air.
- Defects arising from malfunction of auxiliary or subsidiary devices supplied by a third party.
- Defects caused during transportation or unloading (nano customers will verify the state of all incoming stock and will immediately report any damage caused by transport or movement. nano will not be held responsible for materials which have suffered unreported damage).
- Lost time or production due to equipment failure.
- Damage caused by accident.
- Damage caused by fire, theft, freezing or vandalism.
- Damage caused by operation outside the rated conditions.
- Operation of the unit in ambient temperature over rated temperature.
- Operation of the unit with the inlet air temperature over rated temperature.
- Operation in excess of rated scfm.
- Operation in excess of rated psig.
- Operation of the unit in excess of any other rated parameters relevant to the product.
- Damage caused by corrosion due to environment and/or chemical treatments.
- 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.

International Shipments

Our full warranty policy covers equipment within the United States, Canada and Mexico. Equipment shipped to or sold outside the United States, Canada And Mexico will only be covered under the parts section of our standard policy and at local labor rates or labor rates up to our standard policy rates. Any travel related costs or reimbursement for time travelled for equipment sold outside the United States, Canada And Mexico must be pre-approved by nano.

Reimbursement Rates

- 70% of distributor published standard labor rates + current 0.56 cents/mile, maximum 300 miles round trip coverage



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Coverage

F ^{1.1} to F ⁶ Filters:	
Period	
<ul style="list-style-type: none"> F^{1.1} Housing: 10 years from date of shipment. All other components: 18 months from date of shipment (from the factory) or 12 months from date of installation / start up, whichever occurs first. 	
Coverage	
<ul style="list-style-type: none"> 100% parts only. 	



P ¹ Process Filters:	
Period	
<ul style="list-style-type: none"> 18 months from date of shipment from the factory or 12 months from date of installation/start up, whichever occurs first. 	
Coverage	
<ul style="list-style-type: none"> 100% parts only. Does not include element - which can vary depending on type and application. 	



R ¹ TMC Thermal Mass Cycling Refrigerated Dryers:	
Period	
<ul style="list-style-type: none"> 30 months from date of shipment from the factory or 24 months from date of installation/start up, whichever occurs first. 	
Coverage	
<ul style="list-style-type: none"> 100% parts and labor per defined service time allowances. 	
Requirements	
<ul style="list-style-type: none"> Prefilter & non-corrosive upstream piping required. 	



R ¹ NXC Cycling Refrigerated Dryers:	
Period	
<ul style="list-style-type: none"> 30 months from date of shipment from the factory or 24 months from date of installation/start up, whichever occurs first. 	
Coverage	
<ul style="list-style-type: none"> 100% parts and labor per defined service time allowances. 	
Requirements	
<ul style="list-style-type: none"> Prefilter & non-corrosive upstream piping required. 	





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R² HTR High Temperature Refrigerated Dryers:

Period

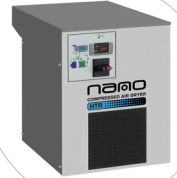
- 18 months from date of shipment from the factory or 12 months from date of installation/start up, whichever occurs first.

Coverage

- 100% parts and labor per defined service time allowances.

Requirements

- Prefilter or non-corrosive upstream piping required.



R³ APET & AXHP High-Pressure Refrigerated Dryers:

Period

- 18 months from date of shipment from the factory or 12 months from date of installation/start up, whichever occurs first.

Coverage

- 100% parts and labor per defined service time allowances for first year and parts only for the second year.

Requirements

- Prefilter or non-corrosive upstream piping required.



R⁴ DXR & VF Direct Expansion Refrigerated Dryers:

Period

- 30 months from date of shipment from the factory or 24 months from date of installation/start up, whichever occurs first.

Coverage

- 100% parts and labor per defined service time allowances

Requirements

- Prefilter or non-corrosive upstream piping required.



R⁶ VDR Variable Speed & AES Digital Scroll Refrigerated Dryers:

Contact us prior to performing warranty

Period

- 18 months from date of shipment from the factory or 12 months from date of installation/start up, whichever occurs first.

Coverage

- 100% parts and labor per defined service time allowances.

Requirements

- Prefilter or non-corrosive upstream piping required.



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C ¹ NCS Process Chillers:	
Period	<ul style="list-style-type: none"> 18 months from date of shipment from the factory or 12 months from date of installation/start up, whichever occurs first. 100% parts and labor per defined service time allowances.
Requirements	<ul style="list-style-type: none"> When start-up is completed by nano technician or authorized distributor, start-up checklist must be completed and on file at nano prior to start-up.



D ^{1/2/3} NDL Modular Dryers:	
Period	<ul style="list-style-type: none"> 30 months from date of shipment from the factory or 24 months from date of installation/start up, whichever occurs first. Warranty extends an additional 36 months from the date of the completion of the original factory warranty with addition of -ES (energy saving dew point control) option, -40°F pdp dryers only.
Coverage	<ul style="list-style-type: none"> 100% parts and labor per defined service time allowances; 100% parts only with addition of -ES (energy saving dew point control) option, -40°F pdp dryer only.
Requirements	<ul style="list-style-type: none"> Prefilter & non-corrosive upstream piping required.



D ^{2/3} Pneumatic Desiccant Dryers:	
Period	<ul style="list-style-type: none"> 30 months from date of shipment from the factory or 24 months from date of installation/start up, whichever occurs first.
Coverage	<ul style="list-style-type: none"> 100% parts and labor per defined service time allowances.
Requirements	<ul style="list-style-type: none"> Prefilter & non-corrosive upstream piping required.





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D⁴ DHP & DHC High Pressure Dryers

Period

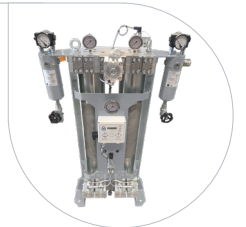
- 18 months from date of shipment from the factory or 12 months from date of installation/start up, whichever occurs first.

Coverage

- 100% parts and labor per defined service time allowances.

Requirements

- Prefilter & Non-Corrosive upstream piping required.



D⁵ HLA, AHLD, CDP, ACHR & Rental Twin Tower Dryers:

Period

- 18 months from date of shipment from the factory or 12 months from date of installation/start up, whichever occurs first.

Coverage

- 100% parts and labor per defined service time allowances.

Extended Coverage

- Inlet & purge exhaust valves: 5 years from date of shipment (parts only).

Requirements

- Prefilter & non-corrosive upstream piping required.



D⁵ AEHD & ABP Premium Package Twin Tower Dryers:

Period

- 30 months from date of shipment from the factory or 24 months from date of installation/start up, whichever occurs first. Warranty coverage for this time period will be parts and labor for the first year and parts only for the second.

Coverage

- 100% parts and labor per defined service time allowances.
- Inlet & purge exhaust valves: 5 years from date of shipment (parts only).
- Heater & blower: 3 years from date of shipment (parts only).

Requirements

- Prefilter & Non-Corrosive upstream piping required.



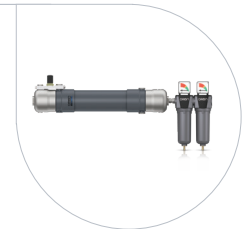
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D ⁵ HLX Twin Tower Dryers:	
Period	<ul style="list-style-type: none"> 18 months from date of shipment from the factory or 12 months from date of installation/start up, whichever occurs first.
Coverage	<ul style="list-style-type: none"> 100% parts and labor per defined service time allowances.
Requirements	<ul style="list-style-type: none"> Prefilter & non-corrosive upstream piping required.



M ¹ Membrane Air Dryers:	
Period	<ul style="list-style-type: none"> 18 months from date of shipment from the factory or 12 months from date of installation/start up, whichever occurs first.
Coverage	<ul style="list-style-type: none"> 100% Parts only.
Requirements	<ul style="list-style-type: none"> Supplied prefilters must be installed at dryer inlet.



L ¹ Lab Gas CO ₂ Removal Modules:	
Period	<ul style="list-style-type: none"> 18 months from date of shipment from the factory or 12 months from date of installation/start up, whichever occurs first.
Coverage	<ul style="list-style-type: none"> 100% parts and labor per defined service time allowances.
Requirements	<ul style="list-style-type: none"> Prefilter Required.





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GEN2 MINI & GEN₂i4.0 Nitrogen Generators:

Period

- 30 months from date of shipment from the factory or 24 months from date of installation/start up, whichever occurs first.

Coverage

- 100% parts and labor per defined service time allowances.

Requirements

- Prefilter & non-corrosive upstream piping required.
- Completed start-up checklist required.



GEN₂-MAX Nitrogen Generators:

Contact us prior to performing warranty

Period

- 18 months from date of shipment from the factory or 12 months from date of installation/start up, whichever occurs first.

Coverage

- 100% parts and labor per defined service time allowances.

Requirements

- Inlet air must be treated to ISO Class 1.4.1 or better.
- Installation per supplied installation instructions and completed start-up checklist required.



NMG Nitrogen Generators:

Period

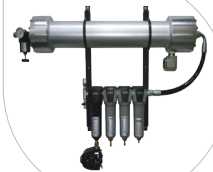
- 18 months from date of shipment from the factory or 12 months from date of installation/start up, whichever occurs first.

Coverage

- 100% parts and labor per defined service time allowances.

Requirements

- Prefilter & non-corrosive upstream piping required.



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O ₂ Oxygen Generators:	
Period	<ul style="list-style-type: none"> 18 months from date of shipment from the factory or 12 months from date of installation/start up, whichever occurs first.
Coverage	<ul style="list-style-type: none"> 100% parts and labor per defined service time allowances.
Requirements	<ul style="list-style-type: none"> Inlet air must be treated to ISO Class 1.4.1 or better. Installation per supplied installation instructions and completed start-up checklist required.



B' BAP & BAC Breathing Air Purifiers:	
Period	<ul style="list-style-type: none"> 18 months from date of shipment from the factory or 12 months from date of installation/start up, whichever occurs first.
Coverage	<ul style="list-style-type: none"> 100% parts only.



B' NBM & NBA Modular Breathing Air Purifiers:	
Period	<ul style="list-style-type: none"> 30 months from date of shipment from the factory or 24 months from date of installation/start up, whichever occurs first.
Coverage	<ul style="list-style-type: none"> 100% parts and labor per defined service time allowances (excluding consumables).
Requirements	<ul style="list-style-type: none"> Prefilter & non-corrosive upstream piping required. Completed start up check-list required.



B' BHD Breathing Air System	
Period	<ul style="list-style-type: none"> 18 months from date of shipment from the factory or 12 months from date of installation/start up, whichever occurs first.
Coverage	<ul style="list-style-type: none"> 100% parts and labor per defined service time allowances.
Requirements	<ul style="list-style-type: none"> Prefilter & non-corrosive upstream piping required. Completed start-up checklist required.





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V' NVR Oil Vapor Removal Systems & AKC Carbon Adsorber

Period

- 24 months from date of installation/start up against manufacturing defects coverage.

Coverage

- 100% parts only (no labor). Warranty does not cover wearing parts.



S' Oil Water Separators:

Period

- SEP 60 ST: 12 months.
- SEP 120 to 2500 ST: Housing: 10 years from date of shipment. Wearing parts: 12 months.
- SEP 3500 to 7000 ST: 24 months.

Coverage

- 100% parts only excluding wearing parts (no labor).



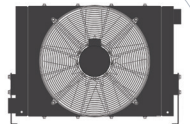
X' After Cooler Products:

Period

- 18 months from date of shipment from the factory or 2000 hours service, whichever occurs first.

Coverage

- 100% parts only (no labor).
- Warranty for components such as fans, motors and other components will be provided by the component manufacturer.



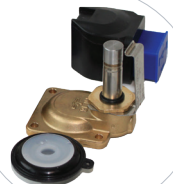
Spare Parts:

Period

- 90 days from date of purchase.

Coverage

- 100% parts only (no labor).



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R ¹ , R ² , R ³ , R ⁴ & R ⁵ NXC, TMC HTR, DTR, APET, AXHP, DXR, VF & AES Refrigerated Dryers:	
Work	Time Allowance
Compressor Replacement ⁽¹⁾	6:00
Condenser (Air-Cooled) Replacement ⁽¹⁾	5:00
Condenser (Water-Cooled) Replacement ⁽¹⁾	5:00
Fan	0:20
Water Press-Static Valve	0:20
Evaporator Heat Exchanger ⁽¹⁾	6:00
Refrigerant Filter	0:20
Hot Gas Valve ⁽³⁾	Na
Thermostatic Valve	Na
Relief Valve	0:10
Main/High Temp Switch	0:15
Electronic-Solenoid Drain Valve	0:15
High / Low Pressure / Fan Switch	0:15
Compressor Motor Switch	0:15
Auxiliary Auto Switch	0:15
Compressor / Fan Contactor	0:15
Auxiliary Transformer	0:15
Control Board	1:00
Control Panel/Controller	0:15
Temp Sensor	0:15
Pressure Transducer	0:15
Electrical Repair (Change Coils, Fuses, Etc)	0:10
Leak Testing	1:00
Repair Leak (Brazing)	0:30
Repair Leak (Re-Flare, Tightening)	0:15
Refrigerant Evacuation/Charge (Per Circuit)	3:00



Notes;

- (1) Includes evacuation, refrigerant filter replacement, eventual refrigerant circuit cleaning, pressure test and refrigerant charge.
- (2) A maximum diagnostic time of 30 minutes will be allowed per claim.
- (3) Hot gas bypass valve adjustment is not covered under warranty.
- (4) Dirty or clogged drains are not covered under warranty.





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C' NCS Process Chillers:	
Work	Time Allowance
Compressor Replacement ⁽¹⁾	6:00
Condenser (Air-Cooled) Replacement ⁽¹⁾	5:00
Condenser (Water-Cooled) Replacement ⁽¹⁾	5:00
Fan	0:20
Water Press-Static Valve	0:20
Circulating Pump	1:00
Evaporator Heat Exchanger ⁽¹⁾	6:00
Refrigerant Filter	0:20
Hot Gas Valve ⁽³⁾	na
Thermostatic Valve	na
Relief Valve	0:10
Main/High Temp Switch	0:15
Electronic-Solenoid Drain Valve	0:15
High / Low Pressure / Fan Switch	0:15
Compressor Motor Switch	0:15
Auxiliary Auto Switch	0:15
Compressor / Fan Contactor	0:15
Auxiliary Transformer	0:15
Control Board	1:00
Control Panel/Controller	0:15
Water Level Sensor	0:30
Temp Sensor	0:15
Pressure Transducer	0:15
Electrical Repair (Change Coils, Fuses, Etc)	0:10
Leak Testing	1:00
Repair Leak (Brazing)	0:30
Repair Leak (Re-Flare, Tightening)	0:15
Refrigerant Evacuation/Charge (Per Circuit)	3:00



Notes;

- (1) Includes evacuation, refrigerant filter replacement, eventual refrigerant circuit cleaning, pressure test and refrigerant charge.
- (2) A maximum diagnostic time of 30 minutes will be allowed per claim.
- (3) Hot gas bypass valve adjustment is not covered under warranty.
- (4) Dirty or clogged drains are not covered under warranty.

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D ¹ ₂ NDL Modular Desiccant Dryers:	
Work	Time Allowance
Inlet/Exhaust Valve Kit Replacement	1:00
PLC Replacement	1:00
Solenoid Replacement	0:20
Complete Control Panel Replacement	2:00
Hygrometer Probe Replacement	1:00
Desiccant Replacement (NDL 0060 To NDL 0130)	1:00



Notes;

(1) A maximum diagnostic time of 30 minutes will be allowed per claim.

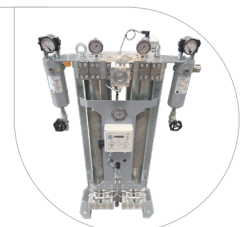
D ³ NDL Modular Desiccant Dryers:	
Work	Time Allowance
Inlet/exhaust valve kit replacement	2:00
PLC replacement	1:00
Solenoid replacement	0:45
Complete control panel replacement	2:00
Hygrometer probe replacement	1:00
Desiccant replacement (NDL 2110 to NDL 2130)	2:00
Desiccant replacement (NDL 3130)	2:30
Desiccant replacement (NDL 4130)	3:00
Desiccant replacement (NDL 6120 to NDL 6130)	4:00



Notes;

(1) A maximum diagnostic time of 30 minutes will be allowed per claim.

D ⁴ DHP & DHC High Pressure Dryers:	
Work	Time Allowance
Inlet valve replacement	2:00
Exhaust valve replacement	1:00
Outlet check valve replacement	1:00
Hygrometer probe replacement	0:30
Control solenoid block replacement	0:30
Controller replacement	1:30
Pressure (or differential pressure) gauge replacement	0:15
Relief valve replacement	0:15
Drain valve replacement	0:30
Desiccant replacement (dhp 5 to dhp 12)	1:00
Desiccant replacement (dhp 24 to dhp 58)	2:00





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D ⁵ HLA, AHLD, CDP, ACHR & Rental Heatless Desiccant Dryers:	
Work	Time Allowance
Inlet Valve Replacement	2:00
Exhaust Valve Replacement	1:00
Outlet Check Valve Replacement	1:00
Hygrometer Probe Replacement	0:30
Control Solenoid Block Replacement	0:30
Electronic Controller Replacement	1:30
Pressure (or Differential Pressure) Gauge Replacement	0:15
Relief Valve Replacement	0:15
Drain Valve Replacement	0:30
Desiccant Replacement (50 To 650 Scfm)	2:00
Desiccant Replacement (800 to 1500 Scfm)	4:00
Desiccant Replacement (2000 to 3000 Scfm)	8:00

Notes;

(1) A maximum diagnostic time of 30 minutes will be allowed per claim.



D ⁵ AEHD Externally Heated Desiccant Dryers:	
Work	Time Allowance
Inlet Valve Replacement	2:00
Exhaust Valve Replacement	1:30
Outlet Check Valve Replacement	1:00
Purge Check Valve Replacement	1:00
Repress / Dump Valve Replacement	1:00
Hygrometer Probe Replacement	0:30
Solenoid Replacement	0:45
Major Electrical Component Replacement	0:45
Plc Replacement	1:30
Pressure Switch Replacement	0:45
Pressure (or Differential Pressure) Gauge Replacement	0:15
Relief Valve Replacement	0:15
Moisture Indicator Replacement	0:15
Pilot Air Filter Replacement	0:15
Desiccant Replacement (100 to 700 scfm)	2:00
Desiccant Replacement (800 to 2000 scfm)	6:00
Desiccant Replacement (2100 to 5000 scfm)	8:00
Desiccant Replacement (>5000 scfm)	Cf

Notes;

(1) A maximum diagnostic time of 30 minutes will be allowed per claim.



2024 Warranty Policy



D ⁶ ABP Blower Purge Desiccant Dryers:	
Work	Time Allowance
Blower Intake Filter Replacement	0:30
Inlet Valve Replacement	2:00
Exhaust Valve Replacement	1:30
Outlet Check Valve Replacement	1:00
Purge Check Valve Replacement	1:00
Repress / Dump Valve Replacement	1:00
Hygrometer Probe Replacement	0:30
Solenoid Replacement	0:45
Major Electrical Component Replacement	0:45
PLC Replacement	1:30
Pressure Switch Replacement	0:45
Pressure (or Differential Pressure) Gauge Replacement	0:15
Relief Valve Replacement	0:15
Moisture Indicator Replacement	0:15
Pilot Air Filter Replacement	0:15
Desiccant Replacement (100 To 700 scfm)	2:00
Desiccant Replacement (800 to 2000 scfm)	6:00
Desiccant Replacement (2100 to 5000 scfm)	8:00
Desiccant Replacement (>5000 scfm)	CF



L ¹ NDC Lab Gas CO ₂ Removal Modules:	
Work	Time Allowance
Inlet/Exhaust Valve Kit Replacement	1:00
PLC Replacement	1:00
Solenoid Replacement	0:20
Complete Control Panel Replacement	2:00
Hygrometer Probe Replacement	1:00
Desiccant Replacement	1:00





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GEN ₂ MINI Nitrogen Generators:	
Work	Time Allowance
Inlet/Exhaust Valve Kit Replacement	1:00
PLC Replacement	1:00
Flow Control Solenoid Replacement	0:20
CMS Replacement (GEN ₂ MINI 060-080)	0:40
CMS Replacement (GEN ₂ MINI 100-110)	0:50
CMS Replacement (GEN ₂ MINI 120-130)	1:00
CMS Replacement (if column removed) (GEN ₂ MINI 060-080)	2:40
CMS Replacement (if column removed) (GEN ₂ MINI 100-110)	2:50
CMS Replacement (if column removed) (GEN ₂ MINI 120-130)	3:00



Notes;

(1) A maximum diagnostic time of 30 minutes will be allowed per claim

GEN ₂ i4.0 Nitrogen Generators:	
Work	Time Allowance
Inlet/exhaust valve kit replacement (GEN ₂ i4.0 1110 to 12130)	1:00 - 1:30
HMI Replacement	0:15
O ₂ Sensor Replacement	0:30
Flow control solenoid replacement	0:45
CMS/Internal dryer (if applicable) replacement (GEN ₂ i4.0 1110 to 2130)	4:00
CMS/Internal dryer (if applicable) replacement (GEN ₂ i4.0 3110 to 4130)	5:00
CMS/Internal dryer (if applicable) replacement (GEN ₂ i4.0 6130)	6:00
CMS/Internal dryer (if applicable) replacement (GEN ₂ gen2 i4.0 8130)	7:00
CMS/Internal dryer (if applicable) replacement (GEN ₂ i4.0 10130 to 12130)	8:00



2024 Warranty Policy



B' NBA Modular Breathing Air Purifiers:	
Work	Time Allowance
Inlet/Exhaust Valve Kit Replacement (NBA 050 to NBA 120)	1:00
Inlet/Exhaust Valve Kit Replacement (NBA 2120 to NBA 6120)	2:00
PLC Replacement	1:00
Solenoid Replacement (NBA 050 to NBA 120)	0:20
Solenoid Replacement (NBA 2120 to NBA 6120)	0:45
Complete Control Panel Replacement	2:00
Hygrometer Probe Replacement	1:00
Cartridge Replacement (1 Set of Columns)	1:00
Cartridge Replacement (2 Sets of Columns)	2:00
Cartridge Replacement (3 Sets of Columns)	2:30
Cartridge Replacement (4 Sets of Columns)	3:00
Cartridge Replacement (6 Sets of Columns)	4:00





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