

Plant Information and Registration

It is very important that you register your CajunAire Basic system. Please fully complete and resubmit the form below within 60 days of your system’s installation. Thank you again for your purchase.

Your Serial Number: \_\_\_\_\_

Cut below this line. Complete and retain the upper portion for your records.

CajunAire Basic Models CB500 CB600 CB750 CB800 CB1000 CB1500 Registration

Your Serial Number: \_\_\_\_\_

Please Print Legibly

Name		
Street		
City	State	Zip Code
Country	Phone Number	
Installer		
Installer Phone Number		Installation Date
Service Provider		
Service Provider Number		

Please detach and mail completed form to:  
Acquired Wastewater Technologies  
Attn: CajunAire Warranties  
P.O. Box 96  
Denham Springs, LA 70727-0096

Or you may fax the completed form to:  
Attn: CajunAire Warranties  
225.665.2949  
warranty@modad.com



CajunAire Basic  
Models: CajunAireBasic 500 | CajunAireBasic 600  
CajunAireBasic 750 | CajunAireBasic 1000 | CajunAireBasic 1500  
Owner’s Manual

Acquired Wastewater Technologies, LLC

Physical Address:  
9000 Cook Road  
Denham Springs, LA  
70726

Mailing Address:  
P.O. Box 96  
Denham Springs, LA  
70727-0096

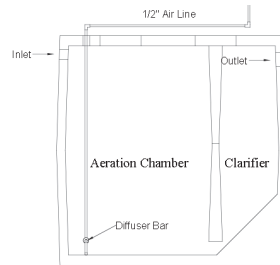
Local: 225.665.2949  
Info@AcquiredWT.com  
www.AcquiredWT.com

Please follow any local regulations that may conflict with any information found in this manual.

# Introduction

Thank you for your purchase. You own one of the best systems the industry has to offer for individual on-site wastewater treatment applications. The CajunAire Basic Wastewater Treatment System is a Class I, mechanical, aerobic, wastewater treatment plant that will process your household sewage into a clear odorless liquid within 24 hours. The CajunAire Basic System was tested in compliance with the NSF Standard No. 40 and approved by the National Sanitation Foundation (NSF International).

**CajunAire Basic Flow Diagram**



[blank area]

## CajunAire Basic Operation

The process the CajunAire Basic uses to treat common household wastewater is an extended-aeration activated-sludge process. In your aerobic aeration system, air is introduced into the sewage through diffusion. When this air is diffused into the untreated wastewater, it promotes the growth of aerobic bacteria and other microorganisms that break down the organic material found in regular household sewage. Sewage is first introduced into the system through the aeration chamber. The liquid inside of the aeration chamber should be a light brown color (this color is caused by the return of activated sludge from the clarifier). As the wastewater leaves the aeration chamber, it enters this clarifier, which is also known as the “quiet zone”. No mixing occurs inside the quiet zone. In the clarifier, the solids separate from the liquid and settle to the sloped-bottom of the clarifier; this quasi-solid and settling material is called activated sludge. Activated sludge contains dissolved oxygen and bacteria that are supported by oxygen. The activated sludge is returned to the aeration chamber through a gap in the base of the clarifier wall. In the aeration chamber rolling action (bubbling) feeds this activated sludge into the aeration process once again until the solids are adequately removed creating a solid-free stream. The solid-free stream that flows into the clarifier exits the system as a high quality, treated stream that is ready to be re-introduced into the environment.

As the owner of a CajunAire Basic System, you must have power (120 volt) supplied to the unit at all times with the power switch on the aerator’s control panel turned to the on position. You must keep pets, livestock, and children away from any components of the system. You are not required to perform maintenance to the unit at any time. However, you will need to monitor what you are putting into your CajunAire Basic System. Items that should be kept out of the CajunAire Basic will be detailed later in this Owner’s Manual.

# CajunAire Basic Warranty

Acquired Wastewater Technologies, LLC [Manufacturer] warrants every new CajunAire Basic Wastewater Treatment System to be free of defects in materials and craftsmanship for a period of 24-months after initial installation.

During the warranty period, if any components are found to be faulty, defective, or fail to perform as specified when operating at design conditions, and the equipment has been installed, operated, and maintained as specified in the written instructions supplied by Manufacturer, Manufacturer will repair or replace at its sole discretion such defective parts at no cost. Transportation and shipment of defective components must be handled through a CajunAire Basic Authorized Representative postage paid if requested by system owner. The cost of labor, shipment, and all other cost associated with replacement of defective components shall be borne by the owner. This warranty covers the CajunAire Basic Wastewater Treatment System only and in no way covers wiring to the system, circuit breakers, third party devices, plumbing to and from the system, or concrete products manufactured by third parties. This warranty does not cover components that have received damage from but not limited to; flooding, neglect, misuse, abandonment, pest or pets, heavy equipment, disassembly or service by unauthorized individuals, improper wiring, electrical and operational over load, and traffic by motor vehicles or livestock. Manufacturer reserves the right to make modifications and changes without notice to components of the system or the system design without obligation to system owners.

The CajunAire Basic Warranty supersedes all other warranties whether expressed or implied by any other third part individuals by law. Only Manufacturer can amend to or make changes to this warranty. Please register your new CajunAire Wastewater Treatment System within 30 days of initial installation.

# Service Policy

An initial 24-month service policy is included in the price of your new CajunAire Basic Wastewater Treatment System. Your Service Policy includes all required service calls as specified by your local regulatory agency for the first 24 months. Also, included in the Service Policy is a two-year warranty on the CajunAire Basic blower. Your CajunAire Basic installer will either be your Service Policy Provider or will provide you with the contact information whoever will be responsible for the Service Policy. It will be the responsibility of the Service Policy Provider to complete, record, and submit all locally required paperwork pertaining to the Service Policy calls. Service Policy calls should occur at manufacturer-recommended six-month intervals unless otherwise determined by prevailing local regulations.

The authorized Service Policy Provider should check the aerator filter record a visual assessment of the effluent quality for the following items:

1. Color
2. Turbidity
3. Scum Overflow
4. Olfactory assessment of odor

CajunAire Basic owners will be informed in writing concerning any improper system operations that cannot be remedied at the time of service or inspection and should be given a time and date of when the malfunction will be corrected. If this is not provided, please contact the home office of Acquired Wastewater Technologies, LLC. At the end of this initial 2-year Service Policy, you have the option of purchasing an additional service policy. Please contact either your installer or Acquired Wastewater Technologies for information on options and policy types. We encourage you to purchase and maintain a continual service policy, as this will help your system to maintain a high quality effluent and continue to perform optimally. *Note: In some states, it is required that you have a continual service policy made with a licensed service provider authorized to service CajunAire Basic Wastewater Treatment System. Please check with your local regulation authority to ensure your compliance.*

# System Startup

Upon completion of the installation of your new system, you will need to fill the unit with water if it has not already been done. The unit should be filled to a minimum of ¾ capacity. Once the unit has been filled with water and all electrical and plumbing connections have been made, your system is ready for use. Your local regulation authorities have sized your new CajunAire Wastewater Treatment System for your house. This means you should try to maintain a certain amount of water flow into the unit per day. Naturally, you should respect and follow any local regulations that may conflict with any information in this Owner’s Manual, but as a general rule the amount of flow the unit should obtain per day is a follows:

System Brand	Model	Rated Unit Size gallons per day (GPD)	Usage should not on a regular basis exceed:
CajunAire Basic	CB500	500 GPD	550 gallons per day
CajunAire Basic	CB600	600 GPD	660 gallons per day
CajunAire Basic	CB750	750 GPD	825 gallons per day
CajunAire Basic	CB800	800 GPD	880 gallons per day
CajunAire Basic	CB1000	1000 GPD	1100 gallons per day
CajunAire Basic	CB1500	1500 GPD	1500 gallons per day

If you have previously live in a location that had service on a community collection sewer system or city sewer, please keep in mind that the CajunAire Basic is designed to handle only regular household sewage. Waste from sources other than organic or human should be deposited into a waste container. You should never flush any rubber or plastic products, feminine products, large paper products (paper towels, diapers, bags, etc), harsh detergents and bacteria killing agents (bleach, liquid fabric softeners, grease, oils heavy metals, etc). Please refer to section entitled “Items that are not safe to use” found in this manual.

*Note: you can use common household cleaners with the CajunAire Basic Wastewater Treatment System as long as you follow the manufacturer’s instructions on the labels of the products.*

Although some odor is typical especially during the start up of you CajunAire Basic, if you experience persistent odor problems, you may also want to monitor your frequency of washing clothes and dishes as this could complicate the treatment process. If too much of your household wastewater is from washing dishes or clothes (gray water) it could make it difficult for the bacteria in you CajunAire Basic to survive since gray water does not contain enough organic sustenance.

The CajunAire Wastewater Treatment System utilizes living organisms that require certain conditions to work and perform properly. Your new unit can treat most any type of household wastewater you put into it including showers and baths, clothes and dishes, and toilet water. However, there are also some things that you should try to keep from going down the drain. These items include but not limited to grease in any amount, hair in large amounts, and the use of garbage disposal in heavy volumes.

# Items that are safe to use

It is acceptable to use household cleaners as long as they are not used in excess. As long as you follow the directions on the labels, your CajunAire Basic system function fine with most household cleaners. Other than regular household sewage and standard use of cleaners, it is important to make sure that no other products are introduced to the CajunAire Basic System unless otherwise recommended by the CajunAire Basic Technical Staff located at the home office.

# CajunAire Basic Warranty

Acquired Wastewater Technologies, LLC [Manufacturer] warrants every new CajunAire Basic Wastewater Treatment System to be free of defects in materials and craftsmanship for a period of 24-months after initial installation.

During the warranty period, if any components are found to be faulty, defective, or fail to perform as specified when operating at design conditions, and the equipment has been installed, operated, and maintained as specified in the written instructions supplied by Manufacturer, Manufacturer will repair or replace at its sole discretion such defective parts at no cost. Transportation and shipment of defective components must be handled through a CajunAire Basic Authorized Representative postage paid if requested by system owner. The cost of labor, shipment, and all other cost associated with replacement of defective components shall be borne by the owner. This warranty covers the CajunAire Basic Wastewater Treatment System only and in no way covers wiring to the system, circuit breakers, third party devices, plumbing to and from the system, or concrete products manufactured by third parties. This warranty does not cover components that have received damage from but not limited to; flooding, neglect, misuse, abandonment, pest or pets, heavy equipment, disassembly or service by unauthorized individuals, improper wiring, electrical and operational over load, and traffic by motor vehicles or livestock. Manufacturer reserves the right to make modifications and changes without notice to components of the system or the system design without obligation to system owners.

The CajunAire Basic Warranty supersedes all other warranties whether expressed or implied by any other third part individuals by law. Only Manufacturer can amend to or make changes to this warranty. Please register your new CajunAire Wastewater Treatment System within 30 days of initial installation.

# Service Policy

An initial 24-month service policy is included in the price of your new CajunAire Basic Wastewater Treatment System. Your Service Policy includes all required service calls as specified by your local regulatory agency for the first 24 months. Also, included in the Service Policy is a two-year warranty on the CajunAire Basic blower. Your CajunAire Basic installer will either be your Service Policy Provider or will provide you with the contact information whoever will be responsible for the Service Policy. It will be the responsibility of the Service Policy Provider to complete, record, and submit all locally required paperwork pertaining to the Service Policy calls. Service Policy calls should occur at manufacturer-recommended six-month intervals unless otherwise determined by prevailing local regulations.

The authorized Service Policy Provider should check the aerator filter record a visual assessment of the effluent quality for the following items:

1. Color
2. Turbidity
3. Scum Overflow
4. Olfactory assessment of odor

CajunAire Basic owners will be informed in writing concerning any improper system operations that cannot be remedied at the time of service or inspection and should be given a time and date of when the malfunction will be corrected. If this is not provided, please contact the home office of Acquired Wastewater Technologies, LLC. At the end of this initial 2-year Service Policy, you have the option of purchasing an additional service policy. Please contact either your installer or Acquired Wastewater Technologies for information on options and policy types. We encourage you to purchase and maintain a continual service policy, as this will help your system to maintain a high quality effluent and continue to perform optimally. *Note: In some states, it is required that you have a continual service policy made with a licensed service provider authorized to service CajunAire Basic Wastewater Treatment System. Please check with your local regulation authority to ensure your compliance.*

# System Startup

Upon completion of the installation of your new system, you will need to fill the unit with water if it has not already been done. The unit should be filled to a minimum of ¾ capacity. Once the unit has been filled with water and all electrical and plumbing connections have been made, your system is ready for use. Your local regulation authorities have sized your new CajunAire Wastewater Treatment System for your house. This means you should try to maintain a certain amount of water flow into the unit per day. Naturally, you should respect and follow any local regulations that may conflict with any information in this Owner’s Manual, but as a general rule the amount of flow the unit should obtain per day is a follows:

System Brand	Model	Rated Unit Size gallons per day (GPD)	Usage should not on a regular basis exceed:
CajunAire Basic	CB500	500 GPD	550 gallons per day
CajunAire Basic	CB600	600 GPD	660 gallons per day
CajunAire Basic	CB750	750 GPD	825 gallons per day
CajunAire Basic	CB800	800 GPD	880 gallons per day
CajunAire Basic	CB1000	1000 GPD	1100 gallons per day
CajunAire Basic	CB1500	1500 GPD	1500 gallons per day

If you have previously live in a location that had service on a community collection sewer system or city sewer, please keep in mind that the CajunAire Basic is designed to handle only regular household sewage. Waste from sources other than organic or human should be deposited into a waste container. You should never flush any rubber or plastic products, feminine products, large paper products (paper towels, diapers, bags, etc), harsh detergents and bacteria killing agents (bleach, liquid fabric softeners, grease, oils heavy metals, etc). Please refer to section entitled “Items that are not safe to use” found in this manual.

*Note: you can use common household cleaners with the CajunAire Basic Wastewater Treatment System as long as you follow the manufacturer’s instructions on the labels of the products.*

Although some odor is typical especially during the start up of you CajunAire Basic, if you experience persistent odor problems, you may also want to monitor your frequency of washing clothes and dishes as this could complicate the treatment process. If too much of your household wastewater is from washing dishes or clothes (gray water) it could make it difficult for the bacteria in you CajunAire Basic to survive since gray water does not contain enough organic sustenance.

The CajunAire Wastewater Treatment System utilizes living organisms that require certain conditions to work and perform properly. Your new unit can treat most any type of household wastewater you put into it including showers and baths, clothes and dishes, and toilet water. However, there are also some things that you should try to keep from going down the drain. These items include but not limited to grease in any amount, hair in large amounts, and the use of garbage disposal in heavy volumes.

# Items that are safe to use

It is acceptable to use household cleaners as long as they are not used in excess. As long as you follow the directions on the labels, your CajunAire Basic system function fine with most household cleaners. Other than regular household sewage and standard use of cleaners, it is important to make sure that no other products are introduced to the CajunAire Basic System unless otherwise recommended by the CajunAire Basic Technical Staff located at the home office.