Safety – Operation – Maintenance
Keep this document in a safe place
Read and understand this manual before operating your equipment

CLAYTON
Dustless Made Simple™

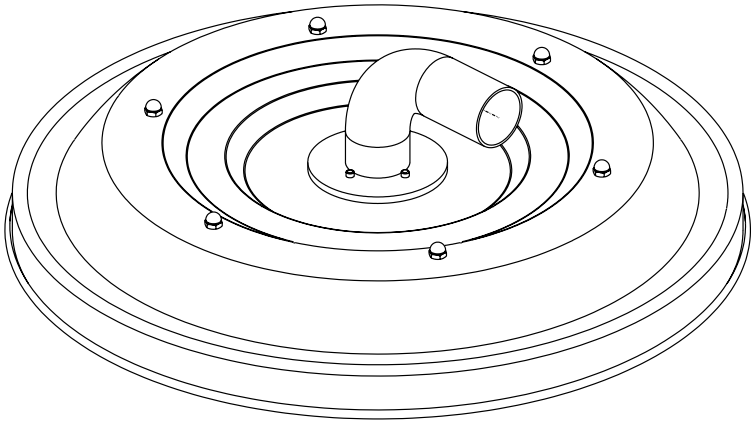
Barracuda
Immersion Pre-Separator

CE

Models with Prefix: CMX-315C-X

Designed for the Collection of Combustible Dust
For use in Class I: Group D & Class II: Groups E, F, & G
Designed for use in ATEX Zones 1 & 2, 21 & 22

Scan this QR code for online instructions and documentation, or visit www.ClaytonHowTo.com



⚠ WARNING

SAFETY LEGEND

⚠ WARNING
Read and understand operator's manual before using this equipment.

⚠ WARNING
Eye protection is required when operating this equipment.

⚠ WARNING
Hearing protection is required when applicable PEL (permissible exposure limit) is exceeded.

⚠ WARNING
Respiratory protection is required when applicable PEL (permissible exposure limit) is exceeded.

⚠ WARNING

Some dust created by sanding, grinding, drilling, and other construction activities contain chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints
- Crystalline silica from bricks and cement and other masonry products
- Chromium and other heavy metals from paint and primers

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as dust masks that are specially designed to filter out microscopic particles.

August 2020

TABLE OF CONTENTS

APPLICATIONS & ENVIRONMENTS

Meets the European ATEX requirement for use in:
The ATEX marking certifies only that the vacuum can be used in the presence of flammable liquids and combustible or conductive dusts, but does not certify the capacity of the vacuum to recover them.

Group 2 / Zone 1 & 2

Group 3 / Zone 21 & 22

Meets the North American NEC / NFPA requirements for use in:

Class I / Div 1 & 2 / Group D Environments
Atmospheres containing: gasoline, petroleum, naphtha, benzine, butalie, propane, alcohol, acetone, benzol, lacquer solvent vapors or natural gas.

Class II / Div 1 & 2 / Group E
Atmospheres containing: metal dust

Class II / Div 1 & 2 / Group F
Atmospheres containing: carbon, black coal or coke dust.

Class II / Div 1 & 2 / Group G
Atmospheres containing: flour, starch or grain dust.

⚠WARNING

Do not use this equipment for cleaning or extracting fuel residues from any vehicle or equipment.
Do not use this equipment for cleaning or extracting live sparks or burning embers.

Grounding Instructions

This vacuum must be connected to an earth ground source with the Grounding Cable included. If the vacuum should come in contact with an external electrical source, grounding provides a path of least resistance for electrical current to reduce the risk of electrical shock.

Bonding Instructions

The work piece must be bonded to the same earth ground as the vacuum. This ensures that the vacuum and the work piece are at the same electrical potential to eliminate static discharge between them.

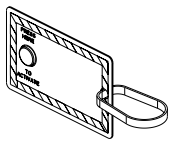
Tools And Attachments

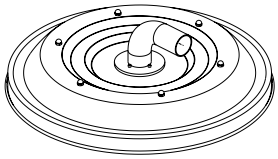
WARNING: This equipment is only intended for dust-ignition proof operation if it is used with the proper conductive hose and tools provided by Clayton. Any alteration to this equipment by a third party will nullify its warranty.

WHAT'S INCLUDED

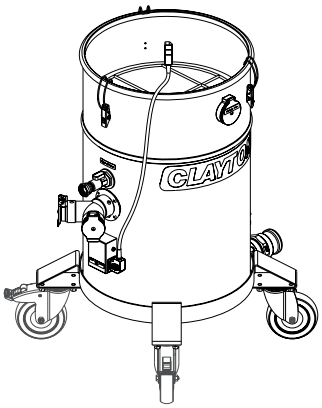
Clayton Barracuda Heads ship with the following items:

- Barracuda Head
- HEPA 12 Month Timer Card





Clayton Vacuum Tanks include Bags, Filters, and other components. These instructions asume you have both a Head and one of the following Clayton Vacuum Tanks



603-315C

SPECIFICATIONS & REQUIREMENTS

Weight	5 lbs (2.27 kg)
Dimensions	17.5 x 17.5 x 6 in (44.5 x 44.5 x 30.5 cm)
HEPA Filter Efficiency	99.995% @ 0.3 µm (H14)
Filter Bag Efficiency	95% @ 0.5 micron

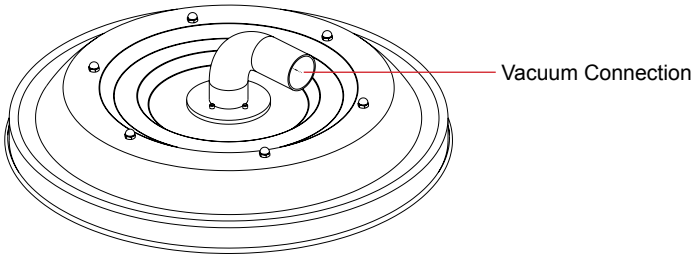
GETTING STARTED

1. The vacuum Head and the Vacuum Tank ship in separate boxes

2. Unbox the Vacuum Head

3. Visually inspect Head to ensure that no parts are missing or damaged

4. Familiarize yourself with the Head



GETTING STARTED

⚠WARNING

1. Remove and identify the Vacuum, Consumables, and Accessories Included in the Box.

2. Remove the Head
- Unlatch the Head from the tank
- Lift the Head and attached HEPA filter off the tank by the top handle
- Carefully sit the Head on the floor - avoid damaging the HEPA filter

3. Unbox a new HEPA Filter
- Remove the Clayton HEPA Timer Card from the box and set aside
- Remove the HEPA Cable Lock from the box and set aside
- Remove the HEPA Filter from the box and remove from plastic bag

4. Remove the HEPA Filter
- Holding the Head on its side cut the HEPA Cable Lock and remove
- Unscrew the HEPA Filter
- Dispose of the HEPA Filter according to your company policy

5. Install a new HEPA Filter
- Holding the Head on its side, screw the new HEPA Filter onto the threaded nipple
- Ensure the white inner ring of the HEPA Filter is in contact with the underside of the Head
- If it is not, turn it clockwise until it comes in contact with the underside of the Head
- See the instructions included with the HEPA Cable Lock

6. Replace the Head
- Sit the Head on the tank
- Rotate the Head so that the switch on the Head is in line with the inlet port on the vacuum tank
- Latch the Head to the tank

7. Activate the HEPA Filter Timer
- Remove the old HEPA timer card from the Head
- Attach the new HEPA timer card with a zip tie (included) to the top handle of the vacuum
- Follow the directions on Timer Card to activate

8. Fill the Tank with Water
- Ensure that the gate valve in the lower compartment is closed by pushing the valve plunger handle in
- Connect a garden hose to the water inlet directly above the vacuum inlet
- Turn the water on
- Open the ball valve on the water inlet to begin filling
- Close the ball valve and disconnect the hose when the water level reaches the Fill Line on the Barracuda sight window

MAINTENANCE

1. Water Level
- Check water level in tank periodically during operation. With vacuum off, the water level should be at the Fill Line
- If water level drops below the Fill Line, turn the system off and refill the tank

2. When to Change the Water
- When the water in the tank appears dirty and discolored, empty and refill the vacuum
- If the vacuum is used for the collection of combustible metals or dust, the water should be emptied at the end of each shift
- At a minimum, the water should be emptied once per day
- When not in use, the vacuum should be stored with the tank empty and the gate valve open to allow air circulation

3. Changing the Water Using a Filter Sock
- Turn the vacuum power switch to the OFF position
- Slide a filter sock over the drain spout in the lower compartment of the tank
- Use the spring clamp to lock the filter onto the spout
- Position the tank over a floor drain
- Grasp the handle of the gate valve and pull it away from the unit to open. Water and debris will flow into the filter sock
- When the tank is empty, connect a garden hose to the water inlet and open the ball valve to start water flowing
- Let water run through the system for approximately 60 seconds. The spray heads will thoroughly rinse the tank interior
  - If the system is going to be stored, turn the water off and leave the gate valve open to ensure the tank is fully drained
  - If the system is going back into use, close the gate valve and let the water continue to flow until the water level reaches the Fill Line
- Remove the filter sock and discard

4. Changing the Water Using a Drain Hose
- Turn the vacuum power switch to the OFF position
- Connect the drain hose to the drain spout
- Position the tank near a floor drain. Place the end of the hose over the floor drain.
- Grasp the handle of the gate valve and pull it away from the unit to open.
- When the tank is empty, connect a garden hose to the water inlet and open the ball valve to start water flowing
- Let water run through the system for approximately 60 seconds. The spray heads will thoroughly rinse the tank interior
  - If the system is going to be stored, turn the water off and leave the gate valve open to ensure the tank is fully drained
  - If the system is going back into use, close the gate valve and let the water continue to flow until the water level reaches the Fill Line
- Remove the drain hose or coil it and store in the lower portion of the tank

5.Coalescing Filter Cleaning and Maintenance
- It is recommended to clean the coalescing filter after every 30 uses of the vacuum
- It is recommended to replace the coalescing filter every two years
- Turn the vacuum power switch to the OFF position
- Unlatch the Head and remove from the tank
- Remove the tank gasket by peeling it up and away from the tank rim
- Grasp the coalescing filter by the steel frame, and pull it up and out of the tank
- Rinse the filter thoroughly with water to remove any debris

HYDROPHOBIC HEPA FILTER CHANGE

If this vacuum is used to collect hazardous material, appropriate personal protective equipment may be required.

The Hydrophobic HEPA Filter cannot be cleaned. The filter should be replaced when it is damaged, clogged, or when the HEPA timer card has reached 12 months.

1. Remove the Head
- Unlatch the Head from the tank
- Lift the Head and attached HEPA filter off the tank by the top handle
- Carefully sit the Head on the floor - avoid damaging the HEPA filter

2. Unbox a new HEPA Filter
- Remove the Clayton HEPA Timer Card from the box and set aside
- Remove the HEPA Cable Lock from the box and set aside
- Remove the HEPA Filter from the box and remove from plastic bag

3. Remove the HEPA Filter
- Holding the Head on its side cut the HEPA Cable Lock and remove
- Unscrew the HEPA Filter
- Dispose of the HEPA Filter according to your company policy

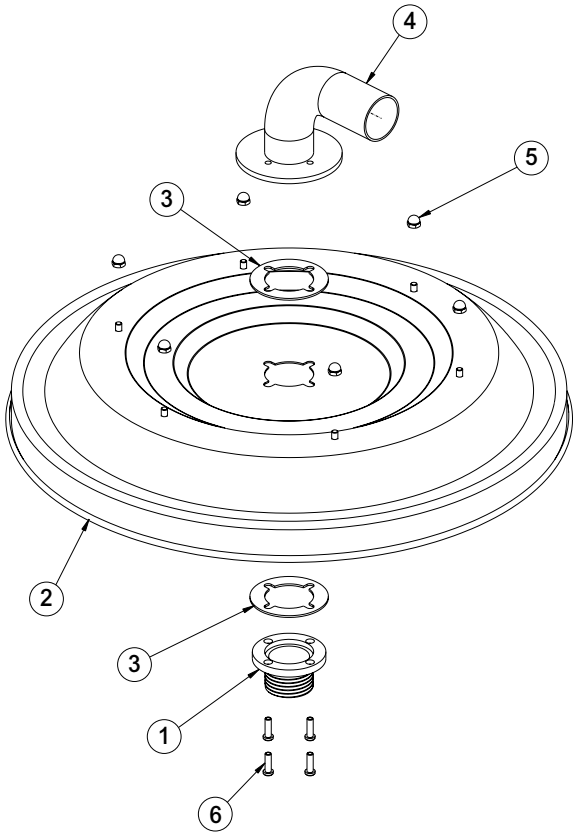
4. Install a new HEPA Filter
- Holding the Head on its side, screw the new HEPA Filter onto the threaded nipple
- Ensure the white inner ring of the HEPA Filter is in contact with the underside of the Head
- If it is not, turn it clockwise until it comes in contact with the underside of the Head
- See the instructions included with the HEPA Cable Lock

5. Replace the Head
- Sit the Head on the tank
- Rotate the Head so that the switch on the Head is in line with the inlet port on the vacuum tank
- Latch the Head to the tank

6. Activate the HEPA Filter Timer
- Remove the old HEPA timer card from the Head
- Attach the new HEPA timer card with a zip tie (included) to the top handle of the vacuum
- Follow the directions on Timer Card to activate

603-CMX-X

SEQ	ITEM NO	DESCRIPTION
1	601-021C	FILTER ADAPTER
2	601-314B16	VAC HEAD BASE 16IN SS
3	911-011	GASKET FOR FILTER ADAPTER
4	942-236	BARRACUDA PASSIVE OUTLET TUBE
5	NE10320620-ANSZ	10-32 ACORN NUT
6	SE103210-ACSM-L	SCREW 10-32 X 5/8 LOW SOCKET CAP SS



LIMITED LIFETIME WARRANTY TERMS AND CONDITIONS

Warranty Terms
Clayton Associates, Inc. guarantees its manufactured products against defects in materials or workmanship and will either repair or replace all parts that prove defective under normal use during the lifetime of the products. The warranty period shall commence from the date of paid invoice.

This warranty does not cover (a) repairs due to normal wear, accident, neglect, misuse, or use other than as indicated in the instruction booklet (b) products manufactured by third parties and distributed by Clayton (c) wear items such as bearings, rotor blades, regulators, valve stems, levers, shrouds, guards, O-rings, seals, gaskets, motor brushes, and other wearable parts.

Repair within the Continental US
During the first 90 days of the warranty period, Clayton will provide parts and labor to the customer's site at no charge or pay freight costs associated with returning the products for repair to a Clayton selected service location and repair the product at no charge. Clayton personnel will determine the best way to repair the product.

Past 90 days, Clayton will provide parts to the customer's site at no charge or the customer may ship the product to a Clayton selected service location at customer's expense and Clayton will repair the product at no charge and provide return shipping.

Repair Outside the Continental US
Clayton will provide parts to the customer's site at no charge or the customer may ship the product to a Clayton selected service location at customer's expense and Clayton will repair the product at no charge and provide return shipping.

Limitation of Liability
Clayton shall not in any event be liable for any damages, loss of production time or profits, whether based on contract, warranty, negligence, strict liability or otherwise, including without limitation any consequential, incidental or special damages, arising with respect to the equipment or its failure to operate.

Clayton Associates, Inc. makes no other warranty or representation of any kind, except that of title, and all other warranties, express or implied, including warranties of merchantability or fitness for any particular purpose, are hereby expressly disclaimed.

CLAYTON

Dustless Made Simple™

Clayton products are proudly made in the USA