CarboMax™ Series AC
ACTIVATED CARBON CANISTERs

for use in Series 10 adsorber housings or competitor housings of similar design

The Carbon Makes a Difference
All CarboMax canisters contain 100% virgin granular activated carbon made from coal that undergoes a high temperature steam activation process under stringent quality control. This process maximizes the adsorption sites for both high and low molecular weight impurities. CarboMax outperforms carbon made from shells, ashes and mixtures of regenerated carbon, paying for itself with extended life, improved process performance and product quality. Low quality activated carbon amplifies process problems, maintenance and product issues. Know the difference. Then, make a difference with CarboMax.

Improve Single-Piece Crimped Handle Design

MATERIALS
CARBON ..................................Granular Activated Carbon
CORE ...................................Perforated Plated Steel
CORE COVER ......................Cotton
OUTER COVER .....................Cotton
OUTER SUPPORT ...............Perforated Plated Steel
END CAPS ........................Plated Steel
GASKETS ..........................Polymer Based
HANDLE ................................Stainless Steel Cable

Impurities Adsorption From Fluids Such As:
• Amine
• Glycol
• Selexol
• Sulfinol
• Water
• Lubricating Oils

OPERATING DATA
MAX. TEMPERATURE .................................................................300°F
MAX. PRESSURE ........................................................................90 psid
RECOMMENDED CHANGE-OUT PRESSURE .................................10 psid
FLOW DIRECTION ..............................................................radial, outside-to-inside
RECOMMENDED FLOW RATE .................................................1.3 gpm per canister

Unlike most filters that capture solids and build up a differential pressure, carbon canisters are designed to adsorb liquid impurities. Adsorption into the carbon molecules does not cause a significant change in differential pressure causing many operators to be unsure when the carbon is spent. Common methods to determine when the carbon needs to be replaced are: Visual Examination, Shake Test, or Regular Maintenance Schedule. The value listed for Recommended Change-Out Pressure is listed in the event that solid contaminant is present.
HOW DO I KNOW WHEN TO CHANGE-OUT MY CARBON?

Unlike most filters that capture solids and build up a differential pressure, carbon canisters are designed to adsorb liquid impurities. Adsorption into the carbon molecules does not cause a significant change in differential pressure causing many operators to be unsure when the carbon is spent. Below are common methods to determine when the carbon is needs to be replaced.

• Visual Examination
  Take influent and effluent samples and compare them. The effluent should have a reduction in color. If not, then the carbon is spent.

• Shake Test
  Take an effluent sample. Shake it vigorously to create a foam. If the foam in the effluent does not break quickly then the carbon is spent.

• Regular Maintenance Schedule
  This works in highly consistent processes where the contaminant load doesn’t vary much.

Lab testing of a competitor’s carbon versus PECOFacet carbon in TEG at 10% contamination after 5 minutes reveals the superior adsorption capability of the CarboMax™ carbon (right) versus the competitor’s carbon (left), which did not adsorb all of the contaminant.

IS IT IMPORTANT TO HAVE PARTICULATE PRE-FILTRATION IN FRONT OF MY CARBON HOUSING?

Yes! The purpose of carbon is to remove liquid impurities, not solid particles. Having a pre-filter upstream of the carbon housing protects the carbon from becoming plugged with solids. If carbon becomes plugged with solids then the adsorption life is decreased dramatically.

Particulate filtration downstream of the carbon housing is a good idea, as well. This filter will capture carbon fines that may escape the carbon housing.

### NOMINAL DIMENSIONS

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For inquiries email: sales@pecofacet.com

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