



CarboMax™ Series AC

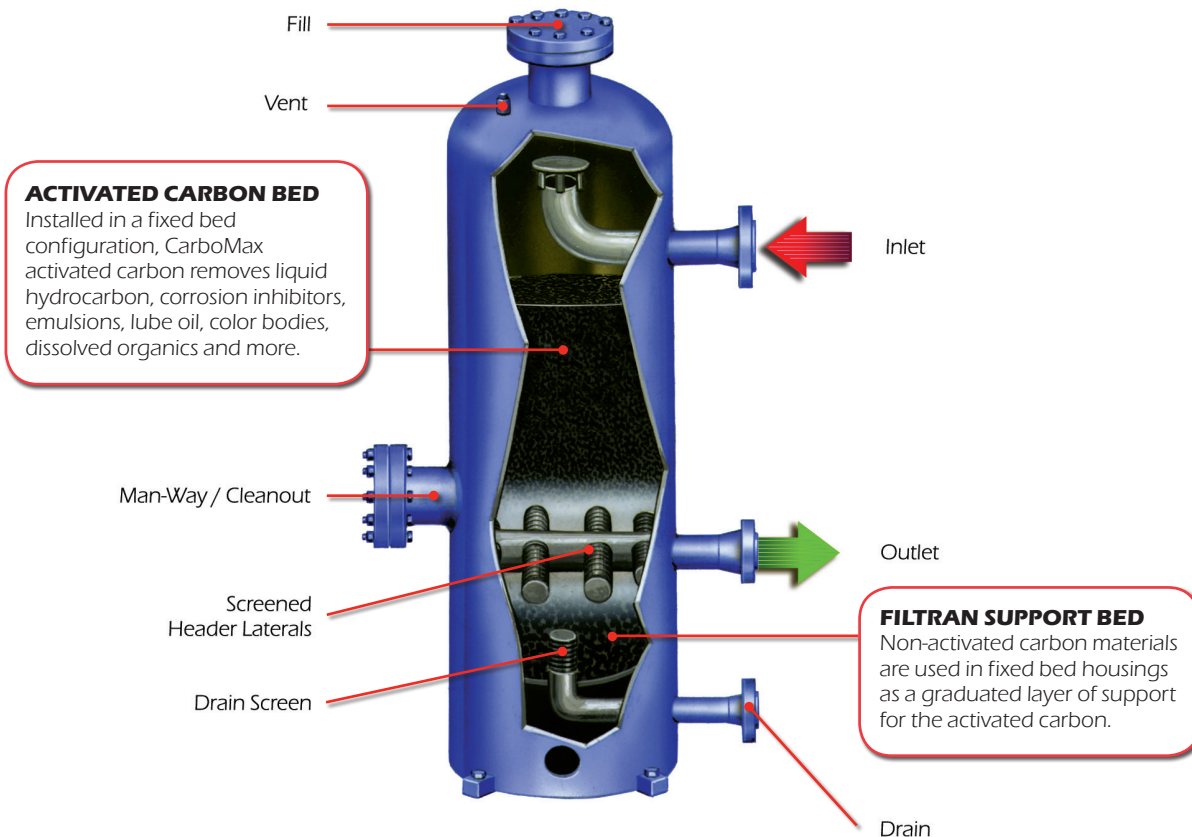
BULK ACTIVATED CARBON

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

Not all carbon is the same. CarboMax activated carbon is made from 100% virgin coal. This form of activated carbon maximizes absorptivity properties providing better performance than regenerated carbons. High quality activated carbon pays 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.

Impurities Adsorption From Fluids Such As:

- Amine
- Glycol
- Selexol
- Sulfinol
- Water
- Lubricating Oils



SPECIFICATIONS

4x12 MESH

Carbon Type	100% Virgin Coal
Iodine Number (mg/g)	900 min.
Surface Area (m ² /g)	1015 typical
Apparent Density (g/cm ³)	0.35 – 0.39
Max. Temperature (°F):	300

8x30 MESH

Carbon Type	100% Virgin Coal
Total Ash (%)	12
Iodine Number (mg/g)	900 min.
Hardness Number (Ball-Pan)	85 min.
Surface Area (m ² /g)	1030 typical
Apparent Density (g/cm ³)	0.36 – 0.39
Max. Temperature (°F):	300

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.

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.

PACKAGING

Bulk Activated Carbon

TYPE	MESH	WEIGHT
CARBON ACT	4 x 12	40 lb. bag
CARBON ACT	8 x 30	40 lb. bag
CARBON ACT	8 x 30	880 lb. bag

Non-Activated Support Carbon

TYPE	MESH	WEIGHT
#4 ANTHRACITE	9/16 x 5/16	53 lb. bag
#5 ANTHRACITE	13/16 x 9/16	53 lb. bag

PECOFacet also provides specialty activated carbon for other applications such as mercury removal, vapor phase applications and others. Please contact us for more information.

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PECOFacet has a policy of continuous product research and development and reserves the right to change design and specifications without notice.

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