



Providing Treatment Solutions for Air, Water, & Land

www.TheiaLLC.com

(888)330-2260

Carbon & Media for Odor Control



Theia Air offers a full range of solutions for air treatment and odor control using activated carbon as well as specialized dry media for removing Hydrogen Sulfide (H₂S), Ammonia, Mercury, etc. **Whether you need a system, a piece of equipment, media or replacement service, we are your one source.**

Dry media including activated carbon is an effective solution to a wide range of odor and air treatment applications. The Theia Air team has over 20 years of experience in applying this technology and will work with you to find the best solution for your application. We offer sales as well as service of the media and the equipment.

Better Media

It all starts with the media. Good equipment is also very important, but it is really just designed to create the more efficient environment for the media to treat the air or gas stream passing through it. Thus, having the right media is key to the best treatment.

When dealing with air and odor issues, no single media will treat every application. Actually, it often takes multiple medias to treat a single application. Theia Air offers a wide range of medias for treating air and odor. We offer a variety of virgin carbon medias for general adsorption duty as well as a wide range of specialized media for removing H₂S, Sulfur molecules, Ammonia, Mercury, etc for most applications. If your application can be accomplished using dry media, we have your solution.

While specialized medias are effective for removing inorganic compounds, virgin and reactivated carbon do the work removing most of your volatile organic compounds. Theia Air offers a full range of coal, wood, lignite, and coconut shell media and will work with you to find the most efficient and cost effective solution for your application. All carbon is NOT the same and neither are all suppliers. We have the tools and the knowledge to address your application.

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Here are a few of the medias we offer for odor control:

H₂S Media: TA-OC medias are a new type of high capacity odor control media that has a high capacity for H₂S and is easily the best value for odor control applications at a fraction of a cost of other high capacity medias. This virgin carbon product is derived from renewable products that have excellent mechanical properties. This media has been specifically developed for the removal of Hydrogen Sulfide and other reduced sulfur compounds and yields 60-70% weight by weight removal. The media is very low in dust, making it easier to work with and does not contain any harsh chemicals making it much safer for your personnel. The media has excellent mechanical properties with low pressure drop and no degradation over time.

This unique media directly converts H₂S back to its sulfur or sulfate form which is then held on the media. Most spent odor control media is landfilled. Theia has developed a program to avoid landfilling our spent media - the media is utilized as a soil amendment and the sulfur/sulfate goes back into the environment helping plant life to grow and thrive.

Oxidizing Media: Theia Air introduces a major breakthrough in the oxidation of acid gases, fumes and odors. TA-OM, a unique zeolite media impregnated with Potassium Permanganate, was created to oxidize gaseous pollutants such as H₂S, Sulfur Dioxide, Formaldehyde, Ethylene, Mercaptans, and various aldehydes and alcohols. TA-OM provides 50% to 100% longer service life than activated alumina product and does not crumble and break apart like Alumina making the media naturally low in dust

Oil Removal: TA-300 media is designed to remove airborne mist and aerosols which can wreak havoc on carbon and other dry media. This media has a macroporous structure allowing it to remove these problem contaminants without clogging up or blinding. The media has excellent mechanical properties and larger mesh size to keep pressure drop to a minimum and to allow any condensed fluids to easily drop off the media bed.

Ammonia Removal: Theia Air offers an impregnated media which reacts with Ammonia in the air stream converting it and allowing it to be captured.

Theia also offers media for the removal of Chlorine gas, HCL, SO₂, Mercury, and a whole lot more. We also offer a range of water treatment media and virgin carbon products.

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Better Equipment

Theia Air offers a complete line of treatment equipment solutions for treating odorous air. These solutions range from a 20 CFM vent adsorber to 500,000 CFM turnkey treatment system built on-site and everything in between. Theia offers a range of designs for this equipment as well as materials to match the application.

Theia Air offers standard equipment off-the-shelf or solutions designed specifically for your application or to your design. We also offer complete turnkey systems, including interconnecting ductwork, and any level of controls. Our systems are complete with pre-filters for particulates, oil & grease, etc and are offered with whatever degree of sophistication is appropriate for your requirements.



Customers no longer have to choose between a material that is strong and one that is corrosion resistant (and affordable). Theia's new Cronus line of vessels utilize structurally reinforced Polyethylene that offers the corrosion resistance and long life of plastics with the strength and ease of installation associated with steel. This incredible material can handle pressure and vacuum and can be directly buried when space is an issue. SRTP is stronger than other plastics while not being fragile like Fiberglass. Installation is simple and quick.

We do also offer FRP for those customers that prefer it.



Theia offers heavy duty steel units in stainless steel or epoxy lined carbon steel. These units are available in rectangular for space savings or cylindrical for higher pressure. These units are available for rental as well as purchase



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Our innovative vertical bed design units make it safer for service personnel, especially when dual bed units are required.



This design allows us to directly bury the equipment allowing you to re-use the space, keep it out of site and you have easier access for service

This design is also available with our gravity dump design which allows the customer to empty the unit by merely pulling a lever.



Odor Control Canisters:
These cost effective control units are ideal for lower flow applications especially when space is tight. Units are available in carbon steel, stainless steel and polyethylene.



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