

## **PRODUCT BULLETIN**

### **Activated Carbon Injection Systems**

Amerair Industries presents its line of standardized Activated Carbon (ACI) injection systems for Mercury, Dioxin/Furan emissions compliance.

All of Amerair's systems are offered with full emissions performance and reagent utilization guarantees. Amerair's staff of experts have experience in applications from Industrial and Utility Boiler MACT compliance as well as Electric Arc Furnace, Cement Kiln and other industrial applications.

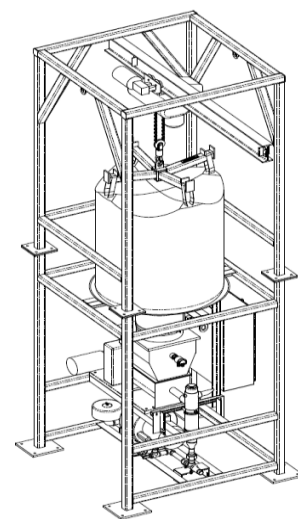
Due to varying process size and injection rate demand, Amerair offers storage and receiving in either 30+ ton pre-packaged silo systems or economical 2,000 lb. bulk bag systems.

Either System is designed and delivered with a maximum degree of modularization with single or redundant feed and delivery systems. Levels of pre-fabrication include:

- single silo or skid with loose shipped components
- components skid mounted and pre-piped
- pre-wiring of components with MCC and PLC options.

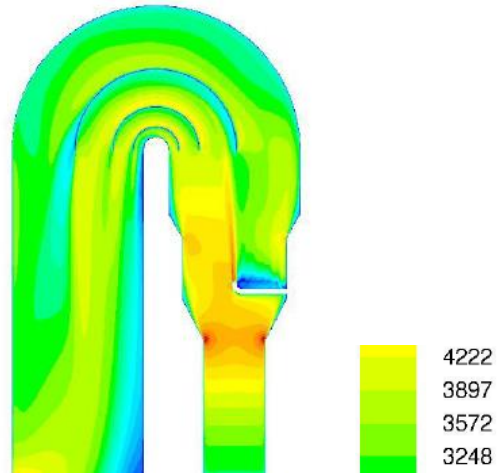


Silo System



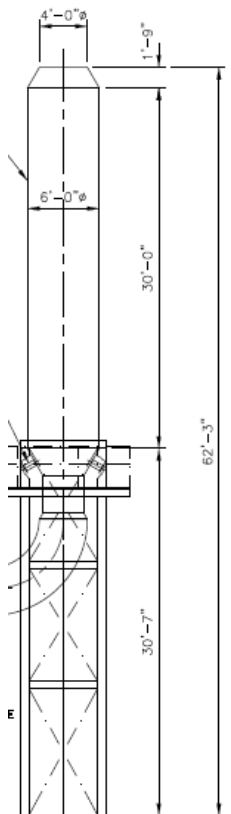
Bulk Bag Skid

While efficient packaging and delivery is part of the process, in-duct injection completes the process. Amerair offers a range of configurations from a single injection point in a venturi section to full injection grids using our proprietary injection lance/nozzle design and distribution system or reactor vessel for co-injection of dry sorbent and activated carbon. All Amerair injection systems are CFD modeled for even and effective reagent and/or carbon distribution.

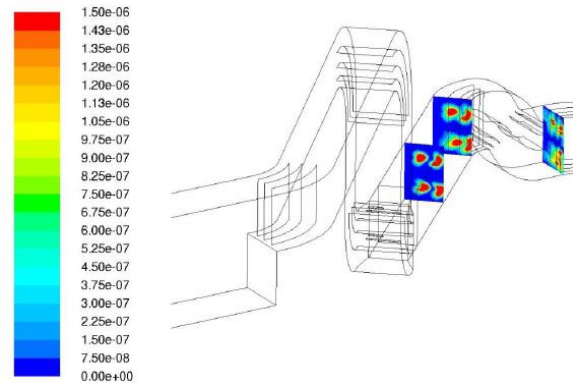


Ft/min

Venturi CFD Model



Typical Reactor Vessel  
(Counter Flow Shown)



In-Duct Multi-Lance Grid CFD Model