SCR & CO Catalyst Systems

Power Market

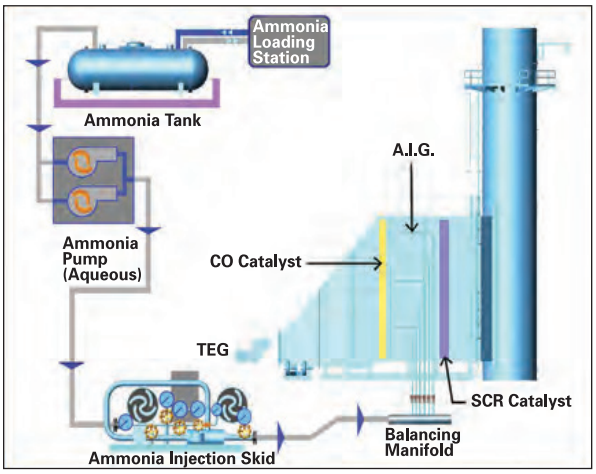
PUT OUR EXTENSIVE EXPERIENCE TO WORK IN YOUR NEXT NOX/CO REDUCTION PROJECT

For over a quarter of a century, INNOVA Braden has been a global leader in the supply of ancillary equipment for gas turbine applications. The combination of INNOVA Braden SCR technology, coupled with its international fabrication capabilities and exhaust structural design expertise, is a formula for customer success. Our expertise includes the design and supply of dozens of catalyst systems. We have the experience of over one thousand exhaust systems, including both stacks and silencers.

INNOVA Braden prides itself on its in-house engineering capabilities supporting SCR technologies. Besides its well known exhaust structural engineering prowess, INNOVA Braden designs SCR control systems, analyses flow by using state of the art CFD modeling, makes structural decisions by using elaborate finite element analysis, meets customer's noise criteria by using sophisticated acoustic design programs and creates its own electrical and mechanical designs.

Flow Management

INNOVA Braden's extensive experience in modeling, managing and distributing flows of hot gases is directly applicable to catalyst systems. In the current environment of high conversion efficiencies and low ammonia slip levels, proper flow distribution is absolutely essential to catalyst system performance. We model all NOx and CO catalyst systems to verify proper flow distribution through the catalyst, ensuring that specified reduction levels are met. Total system pressure drop is also a key design consideration which is controlled by proper design of the ductwork and silencing systems.



Ammonia Systems

INNOVA Braden has extensive experience with both aqueous and anhydrous ammonia systems and can supply either type to meet your plant needs. We can also supply urea-based systems if required. Our usual scope of supply includes ammonia/air dilution skid, ammonia piping and balancing header and Ammonia Injection Grid (AIG). The skids come completely shop-fabricated, insulated and wired for fast and simple installation at the jobsite.

Design of the AIG is of vital importance to obtaining proper ammonia to NOx distribution. Proper ammonia to NOx distribution entering the SCR catalyst is the only way to assure that permitted outlet NOx and ammonia slip levels are achieved. This is even more important in today's regulatory environment as requirements are made more stringent.

Add-On Products

- Filter houses
- Inlet Air Cooling Systems
- Inlet Air Anti-Icing Systems
- Inlet Silencers
- Exhaust Diffusers
- Expansion Joints
- Diverter Dampers
- Exhaust Silencers
- Exhaust Stacks

CONTACT US TODAY

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