



PEERLESS ENVIRONMENTAL SYSTEMS

PEERLESS SPECIALIZES IN NO_x AND CO/VOC EMISSIONS CONTROL SYSTEMS FOR NEW AND RETROFIT APPLICATIONS:

POWER GENERATION

- SIMPLE CYCLE COMBUSTION TURBINES
- HEAT RECOVERY STEAM GENERATORS (HRSG)
- UTILITY BOILERS
- IC ENGINES

REFINERY/PETROCHEMICAL

- REFINERY HEATERS
- REFORMERS
- PETROCHEMICAL AND PROCESS HEATERS

INDUSTRIAL

- INDUSTRIAL BOILERS
- PROCESS UNITS



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ENVIRONMENTAL SYSTEMS

PEERLESS IS THE WORLD'S LEADING SUPPLIER OF SELECTIVE CATALYTIC REDUCTION (SCR) AND CO/VOC OXIDATION SYSTEMS, PROVIDING MORE THAN 100,000 MW OF INSTALLED EMISSION-CONTROL SYSTEMS FOR THE POWER-GENERATION INDUSTRY. SINCE 1989, POWER PRODUCERS, REFINERIES, PETROCHEMICAL AND INDUSTRIAL FACILITY OWNERS HAVE DEPENDED ON PEERLESS FOR THEIR EMISSION-CONTROL NEEDS.

PEERLESS EXPERIENCE TO YOUR ADVANTAGE...

- 800 SELECTIVE CATALYTIC REDUCTION (SCR) AND CO SYSTEMS IN OPERATION INTERNATIONALLY
- 75 YEARS OF RESEARCH, ENGINEERING AND MANUFACTURING
- FULLY INTEGRATED EMISSION-CONTROL SYSTEMS
- OPTIMIZED LIFE-CYCLE COST SOLUTIONS
- IN-HOUSE CFD AND 3D DESIGNS
- ISO9001:2008



PEERLESS SELECTIVE CATALYTIC REDUCTION (SCR) AND CO/VOC OXIDATION SYSTEMS FOR:

- SIMPLE CYCLE COMBUSTION TURBINES
- HEAT RECOVERY STEAM GENERATORS (HRSG)
- REFINERY, PETROCHEMICAL AND PROCESS HEATERS
- UTILITY AND INDUSTRIAL BOILERS



PEERLESS EMISSION CONTROL RETROFIT

MAXIMIZE EFFICIENCY AND MINIMIZE DOWNTIME

As environmental regulations become more stringent, the most economical solution to achieving full NO_x compliance likely is retrofitting existing plants with SCR technology. Peerless' experienced and innovative engineers help you achieve strict emission reductions in your facility's existing space with minimal disruption.

Peerless engineers have decades of experience providing emission-reduction technologies to combustion sources in power plants, refineries and chemical plants. Peerless' expertise in engineering, designing, procuring and building SCR systems allows for flexibility to suit a facility's particular needs and schedules.

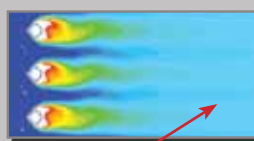
In addition to emission-reduction projects, Peerless engineers have the experience and expertise needed to upgrade existing emission-control systems by enhancing current SCR systems with catalyst improvements and additions, ammonia system upgrades and burner modifications.



Peerless Equipment,
Performance and Technology

Cost-Effective SCR
Guaranteed Performance

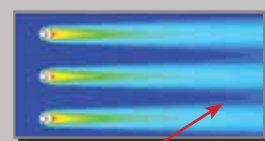
PEERLESS PATENTED EDGE™ AIG AMMONIA DISTRIBUTION



Complete mixing

- Improved NO_x reduction
- Lower ammonia slip
- Longer catalyst life
- Optimized life-cycle cost

COMPETITORS AMMONIA DISTRIBUTION

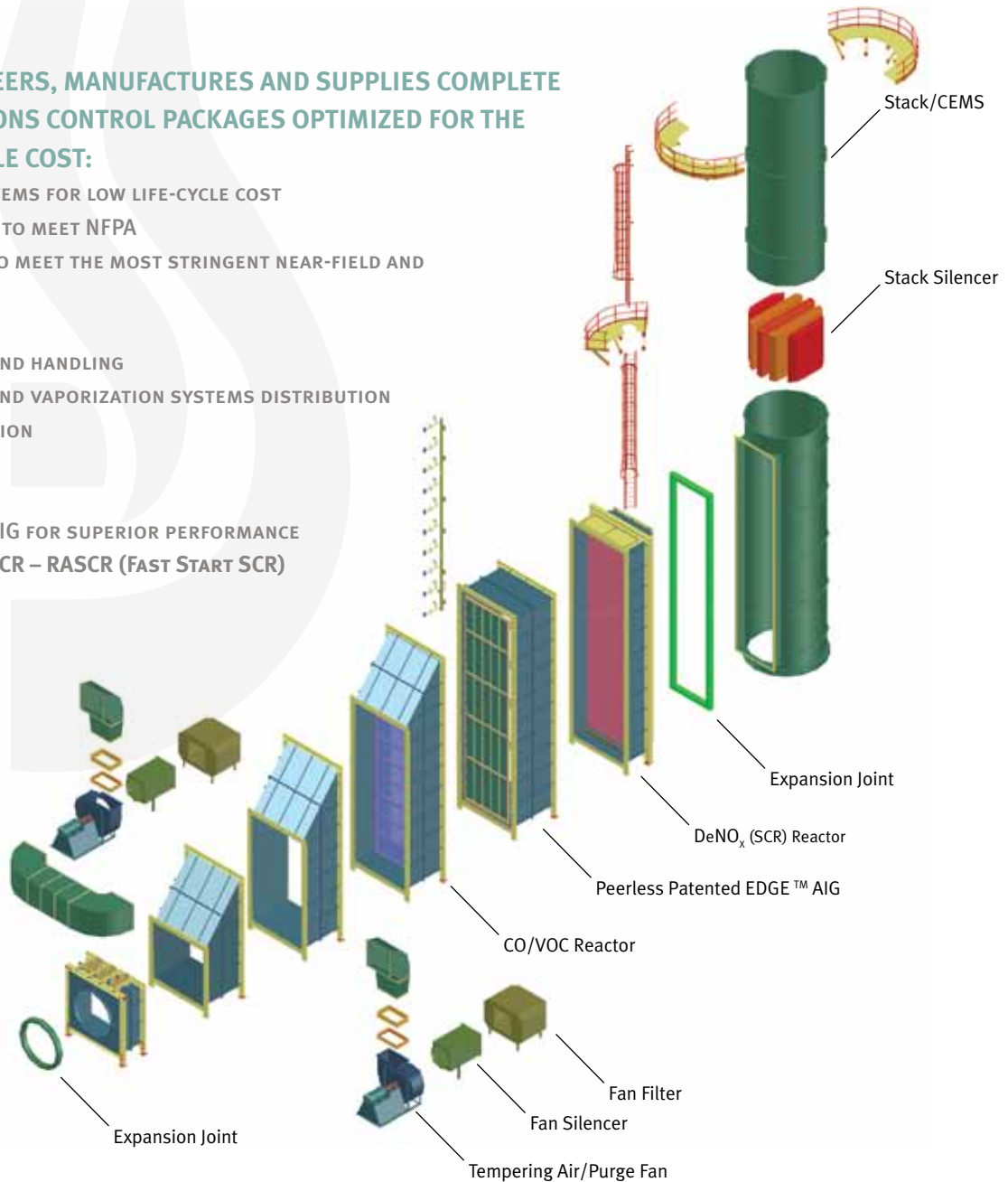


Incomplete mixing

PEERLESS SIMPLE CYCLE EXHAUST SYSTEMS

PEERLESS ENGINEERS, MANUFACTURES AND SUPPLIES COMPLETE EXHAUST EMISSIONS CONTROL PACKAGES OPTIMIZED FOR THE LOWEST LIFE CYCLE COST:

- TEMPERING AIR SYSTEMS FOR LOW LIFE-CYCLE COST
- PURGE AIR SYSTEMS TO MEET NFPA
- NOISE ABATEMENT TO MEET THE MOST STRINGENT NEAR-FIELD AND FAR-FIELD CRITERIA
- STACK AND CEMS
- REAGENT STORAGE AND HANDLING
- REAGENT CONTROL AND VAPORIZATION SYSTEMS DISTRIBUTION
- CONTROLS INTEGRATION
- SCR CATALYST
- CO/VOC CATALYST
- PEERLESS EDGE™ AIG FOR SUPERIOR PERFORMANCE
- RAPID ADVANTAGE SCR – RASCR (FAST START SCR)



PEERLESS OFFERS PRE-ASSEMBLED MODULARIZED SCR AND CO EXHAUST SYSTEM PACKAGES FOR COMBUSTION TURBINES UP TO 100MW.

- Modular construction for reduced erection time and smaller system footprint
- Designs optimized for lowest life-cycle cost
- Turnkey construction, construction management and field service support
- Peerless performance for the lowest achievable emissions

