

KAY.KAT[®] CATALYTIC FILTER BAGS CAPTURING PARTICULATE AND NO_x EMISSIONS IN A SINGLE-STEP

The new KAY.KAT[®] filter system provided by KAYSER[®] FILTERTECH is composed of a filter bag focused on the catalytic reduction of NO_x, (dioxin, furan and NH₃ reduction also possible) in combination with highly efficient filter media for particulate emission reduction. This unique media allows for a significant reduction of these harmful flue gas components and the highest particulate removal efficiency available (>99,99%).

FEATURES

- Reduction of NO_x, control of NH₃ and destruction of PCDD/F
- BAT DeNO_x and PCDD/F reduction technologies
- Reduction of particulate emissions to less than 5 mg/NH₃
- All in one solution
- Bag in bag system for individual access to all components
- TOPSOE inner bag technology
- Custom design to meet individual demands

BENEFITS

- ✓ Complies with the new BREF regulation.
- ✓ Environmental friendly and energy efficient solution for future emission limits: E.g. NO_x reduction and particulate emission.
- ✓ Clear savings of operational costs compared to SCR.
- ✓ Lower pressure drop vs SCR.
- ✓ Efficient use of existing equipment, no or marginal upgrades required.
- ✓ Smart solution implemented in filter unit.

KAY.KAT® CATALYTIC FILTER BAGS

HOW IT WORKS

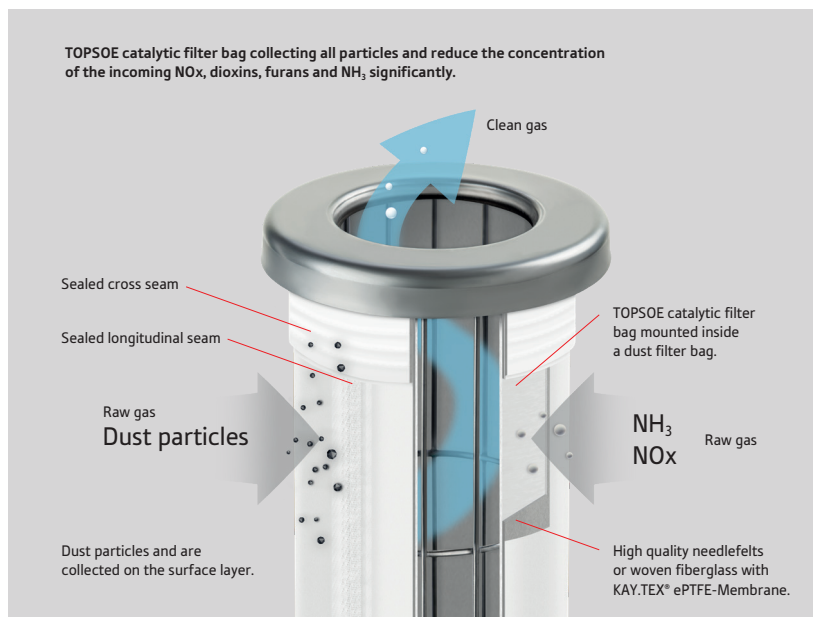
The KAY.KAT® system is a double bag system. The inner, catalytic filter bag has the main function to reduce the concentration of the incoming NO_x, dioxins, furans and NH₃ significantly. The design and the selection of catalyst is adopted according to the individual demands of the installation. The outer filter bag has the main function to reduce the particulate emission in order to fulfill any emission requirement and to protect the inner catalytic filter bag. KAYSER® has the ability to select from a wide range of high temperature resistant and high efficiency filter materials by using fine fibres and laminates of ePTFE-Membranes (KAY.TEX®). Whenever possible the existing cage is used.

ADVANTAGES COMPARED TO ALTERNATIVE TECHNOLOGIES

The combination of a catalytic bag with an outer filtering bag optimizes both essential processes of flue gas cleaning in one, simple step. The existing filter equipment can be used and is upgraded to perform as a chemical reactor efficiently reducing the NO_x emissions below the legal standards. The traditional use as an efficient particle collector is maintained at the same time and is designed specifically for your needs.

IT'S ALL.KAY

The ever-growing challenge of achieving lower emissions and being more energy efficient is exactly the field of application for our team of specialists. Discover the strengths of KAYSER® FILTERTECH that you can rely on at www.kaycube.kayser-filtertech.com.



INDUSTRIES

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YOUR COMPLETE SUPPLIER AND PARTNER FOR THE ENTIRE FILTRATION PROCESS

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