

Catalysts

Cutting-Edge Technology & Industry Leadership: Johnson Matthey Catalysts

Features:

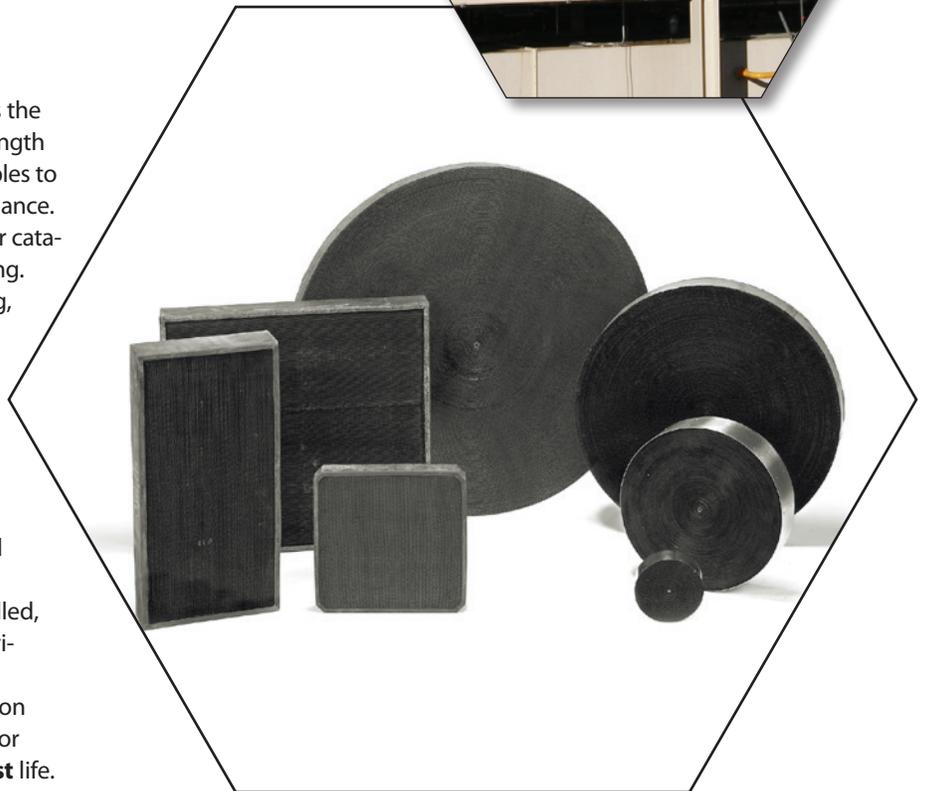
- >> Superior Technology and Performance
- >> Exceptional Durability
- >> Meet All Emissions Regulations
- >> Any Catalyst Shape, Easy Installation
- >> Unmatched Customer Service
- >> The Value of Johnson Matthey Longevity

Superior Strength and Longevity Through Cutting-Edge Technology

At the heart of Johnson Matthey's **Catalyst** elements is the cutting-edge technology that delivers exceptional strength and durability. We apply advanced engineering principles to each element design to ensure the ultimate in performance. For Johnson Matthey round elements, each layer of our catalyst element is securely bonded to each other by brazing. This creates unparalleled resistance to element sagging, distortion and unraveling due to engine operating conditions. Our square elements are exceptionally sturdy and strong due to the frame that surrounds the **catalyst**.

Exceptional Performance

Johnson Matthey's advanced **catalyst** technology and proprietary composition ensure maximum **catalyst** performance. Our metal monoliths, which are thin-walled, stainless steel honeycomb supports, are nearly impervious to damage from mechanical or thermal shock and metallurgic erosion. The unique design and construction of Johnson Matthey **catalysts** reduces back pressure for fuel savings, reduces engine wear and extends **catalyst** life. Manufactured using durable and highly dispersed Platinum Group Metals (PGMs), our **catalysts** provide the highest catalytic activity and poison resistance available today.



Johnson Matthey
Stationary Emissions Control

Catalysts

99% Reduction of NO_x, CO, NMHCs, VOCs & HAPs

Toxic Emissions Compliance

Johnson Matthey technology leads the way in meeting the most stringent emissions standards. Our technology is the best way for you to get into compliance and stay there, easily controlling NO_x, CO, NMHCs, VOCs and HAPs such as Acetaldehyde, Formaldehyde, Acrolein and Methanol. Johnson Matthey **catalysts** destroy up to 99% of these pollutants by converting them into environmentally safe nitrogen, carbon dioxide and water.

Any Shape, Easy Installation

Johnson Matthey's three-way and two-way **catalysts** offer the ultimate in flexibility. Whether new, retrofit or replacement of any existing type or size element, we have a **catalyst** to meet your needs. With a wide range of sizes and shapes in stock, you always get the best possible catalytic solution for your application. If you need a custom shape... that's easy for us to provide also. Replacing a **catalyst** is easy because our **catalyst** fits into your existing housing. Just open the housing, remove the old element and install the new Johnson Matthey element.

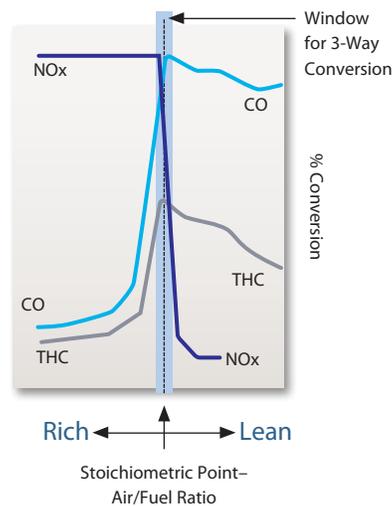
Johnson Matthey Quality Service

Johnson Matthey is the worldwide leader in **catalyst** technology for mobile and stationary applications. We work closely with every customer to tailor our **catalysts** to the application and installation and to deliver complete **catalyst** systems guidance. Our extraordinary quality service includes:

- >> Simulated exhaust **catalyst** performance tests at our in-house lab
- >> On-site testing with portable equipment for both short and long-term evaluations
- >> Site start-up support
- >> **Catalyst** cleaning and maintenance
- >> Analytical testing and evaluation

Let us help you shape the future—today and tomorrow—with the most advanced technology in **catalysts**. Rely on the strength, leadership and experience that is Johnson Matthey.

TYPICAL 3-WAY RICH-BURN CATALYST PERFORMANCE



Johnson Matthey's advanced catalyst technology delivers maximum strength, durability and performance.



Johnson Matthey
Stationary Emissions Control

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