

Band-it™

Single or Multi-Element Catalytic Converter for the Control of NO_x, CO, NMHCs, VOCs & HAPs

Features:

- >> For IC Engines 250-5,000 HP
- >> 3-Way or 2-Way Conversion
- >> Easy Catalyst Access
- >> Lock-In Element Retaining Ring
- >> Add-on Capability
- >> Compact and Lightweight
- >> Stainless Steel Construction

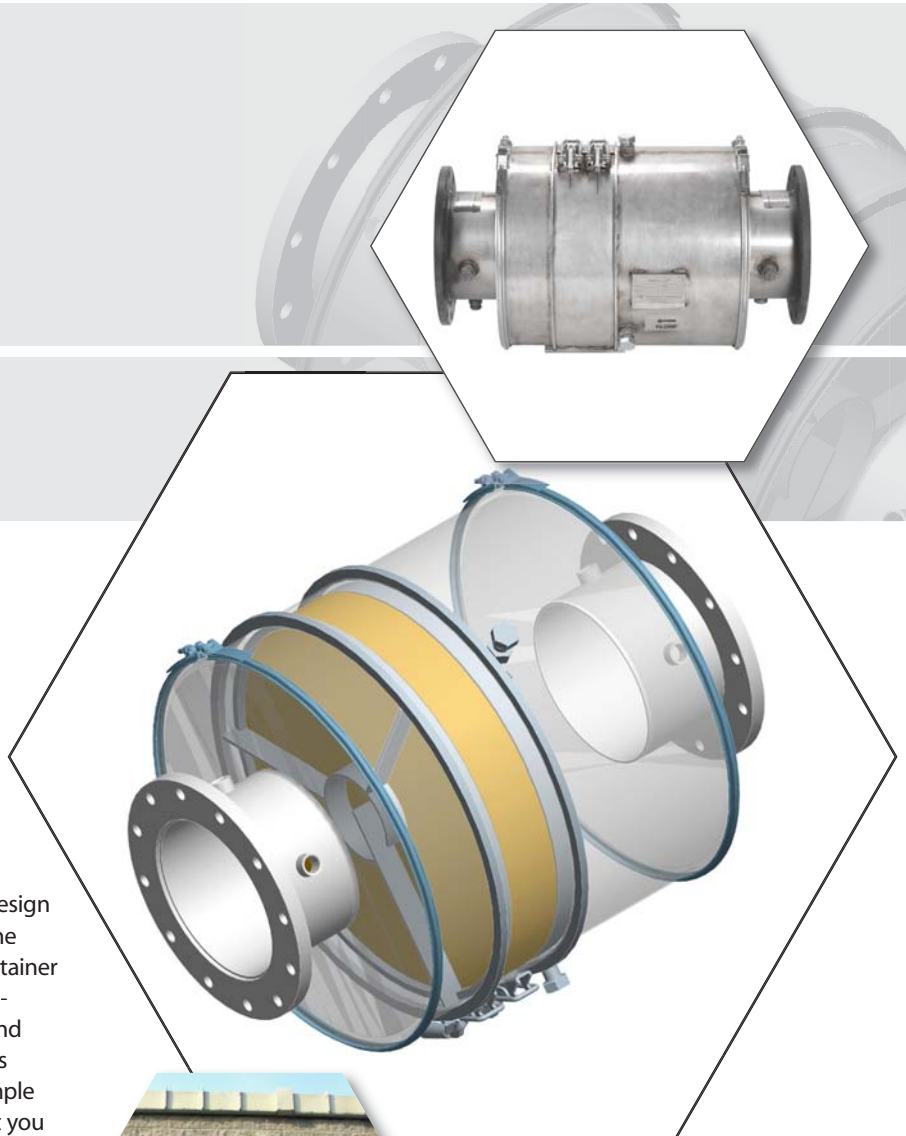
Fuels:

- >> Natural Gas
- >> LPG
- >> Propane
- >> Diesel
- >> Dual Fuel
- >> Biodiesel

Johnson Matthey's single or multi-element **Band-it™** is the innovative solution to meet your emissions requirements. Providing easy access, superior performance, flexibility and availability in a variety of sizes, the **Band-it** catalytic converter is a smart choice for emissions control.

Simple Installation, Flexible Access

Johnson Matthey built functionality into the **Band-it** design so that it requires no cranes or hoists for installation. The quick-release clamps, removable band and lock-ring retainer allow easy catalyst access for maintenance and replacement. With its multi-element design, you'll save time and effort whenever you need to access the catalyst. And as your needs or regulations change, compliance is as simple as locking in additional elements so you buy only what you need now. Fast, easy, economical ways to keep you up and running...and in compliance.



Johnson Matthey

Stationary Source Emissions Control

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Band-it™

Single or Multi-Element Converter That Delivers Multiple Benefits: Flexibility, Easy Access, Proven Quality, Durability and Exceptional Performance

Cutting-Edge Brazing Technology Delivers Superior Strength and Longevity

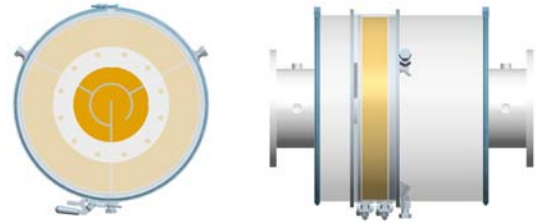
At the heart of the **Band-it** catalyst element is state-of-the-art brazing technology that delivers the ultimate in strength and durability. Instead of using mechanical means, each layer of our catalyst element is securely bonded to each other by brazing. This creates unparalleled resistance to element sagging, distortion and unraveling due to engine operating conditions.

Johnson Matthey's advanced technology and proprietary composition and design ensure maximum catalyst performance. Our metal monoliths, which are brazed 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 the catalyst element reduces back pressure which results in fuel savings and longer catalyst life. Manufactured using durable and highly dispersed Platinum Group Metals (PGMs), the **Band-it** provides the highest catalytic activity and poison resistance available today.

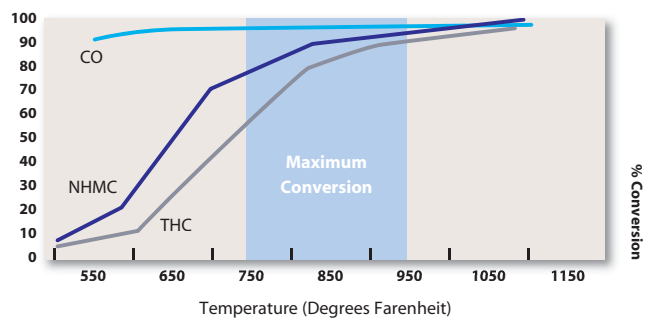
Superior Performance

Band-it converters employ an NSCR 3-way catalyst that simultaneously reduces NOx, CO and HC emissions or 2-way oxidation catalysts to reduce HCs and CO. The **Band-it** can destroy up to 99% of these pollutants, including Acetaldehyde, Formaldehyde, Acrolein and Methanol by converting them into environmentally safe nitrogen, carbon dioxide and water.

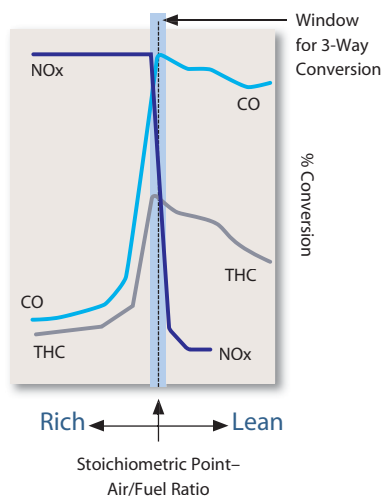
With **Band-it**, your engines will meet the most severe federal, state, county and city air emissions regulations while maintaining peak operating efficiency and maximum cost effectiveness. Johnson Matthey's total systems approach provides all the monitoring, testing and service resources you need—before, during and after the installation.



TYPICAL 2-WAY NATURAL GAS LEAN-BURN CATALYST PERFORMANCE



TYPICAL 3-WAY RICH-BURN CATALYST PERFORMANCE



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