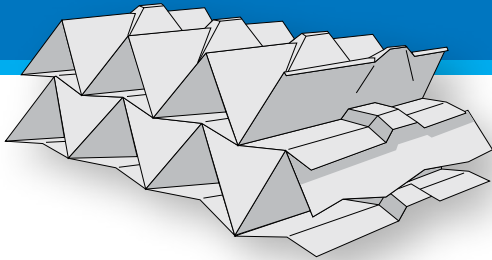




The MIRATECH NEXT uses a revolutionary substrate, with cascading turbulent zones, to create an element that is more efficient and durable than comparable industrial engine catalysts with a traditional open-foil design.

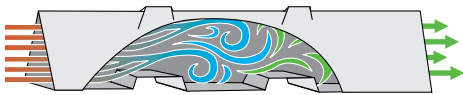


In addition to creating turbulent exhaust flow, the grooves in the MIRATECH NEXT enable every layer of the catalyst substrate to be interlocked. This feature not only strengthens the NEXT, it reduces incidences of telescoping while still accommodating back-pressure limits comparable to open-foil catalysts.

#### THE BENEFITS OF MIRATECH NEXT

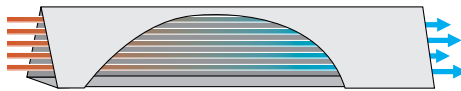
- + Creates turbulent airflow through the length of the substrate
- + Improves catalytic reaction within the substrate channel
- + Reduces pollutants more effectively than open-foil catalysts
- + Stronger than conventional open-foil catalysts
- + Compatible with non-MIRATECH housings (including DCL, Johnson Matthey, Sud-Chemie, and other competitor catalyst substrates)
- + Off-the-shelf availability for many sizes
- + Round structure allows MIRATECH to engineer catalysts with unique diameters (large or small)

#### NEXT CATALYST



Each groove in the NEXT substrate creates a separate turbulent zone in the channel. Multiple turbulent zones boost catalyst performance because more emissions are allowed to react with the precious metal compound that lines the walls of the substrate.

#### OPEN-FOIL CATALYST



Open-foil catalysts lack the turbulence-generating grooves that are found in the NEXT. Consequently, open-foils generate airflow that is primarily laminar. The laminar flow of exhaust diminishes the catalytic capability of open-foils because fewer emissions are exposed to the precious metal compound that lines the substrate wall.

#### MIRATECH INDUSTRY SOLUTIONS

- + Gas Compression
- + Power Generation
- + Locomotive
- + Marine
- + Water Pumping
- + Air Compression
- + Drilling Rigs