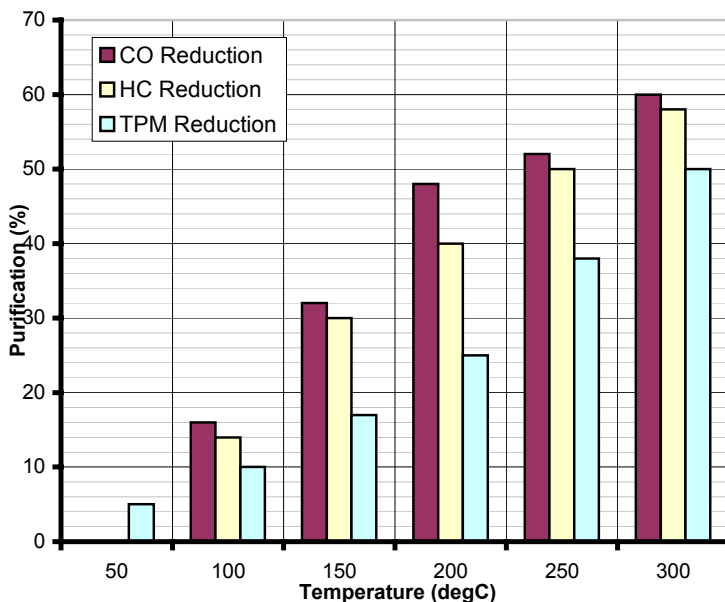


## CCX Catalytic Purifier for Diesel Engines

### Effective Emission Control for On Road Diesel Engines

#### Overview

Colpro-Kat CCX Catalytic Purifier and CMX Catalytic Purifier Muffler are designed for effective purification of diesel engine emissions. The CCX/CMX system is the first catalytic emissions control system to meet United States Environmental Protection Authority (EPA) certification requirements for the U.S. Urban Bus Retrofit Program.



#### Performance

The CCX catalytic purifier and CMX catalytic purifier muffler functions through the process of oxidation, converting CO and HC to Carbon Dioxide (CO<sub>2</sub>) and water vapour (H<sub>2</sub>O). The catalyst reduces Carbonaceous Particulate Matter (PM) by 25% to 50%, Carbon Monoxide (CO) and Hydrocarbons (HC) by 50%. Catalyst volume and hence purifier size is dependent upon the % conversions required, as well as the exhaust gas flow rate, temperature, and the maximum allowable pressure drop across the purifier.

Please refer to Colpro Engineering (Australia) for correct sizing of catalytic purifier for your application and any special performance and/or pressure drop requirements.

#### Features & Benefits

- Platinum Coating Formulated for Australian Fuels
- Available for Most On-Road Diesel Engines
- Maintenance-free Operation; Needs No Additional Parts or Sensors
- Corrosion Resistant Heavy Duty Stainless Steel Construction
- Special Ceramic Substrate for Maximum Purification
- Sulphur Tolerant Coating
- U.S. EPA Certified Purifier
- High Conversion Efficiency
- Reduces Odour in Diesel Exhaust
- Guaranteed Quality Product
- Approved by Environmental Agencies

## Installation

Typically the best method for retrofitting a CCX catalyst to your vehicle is by replacing your muffler with a Colpro Engineering purifier muffler. The purifier muffler will have the CCX fitted internally. It would be fabricated to the same external dimensions as your existing muffler. Contact Colpro Engineering (Australia) for further details.

## Maintenance

The CCX/CMX Catalytic Purifier requires little maintenance, however carbon and unburnt lube oil can accumulate on the catalyst. This will gradually mask the catalyst function. In order to remove this layer of contaminants, the CCX/CMX should be removed and cleaned with low-pressure air. The recommended cleaning interval is 500 to 1000 hours. In extreme cases of oil/soot buildup the catalyst can be slowly heated in an oven to help burn off the oil.



The picture on the left shows mufflers with the purifiers fitted internally ready for retrofit.

The picture on the right shows CCX units on the shelf. The discolouration of the stainless steel is a normal part of the canning process.

For more information please contact:

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