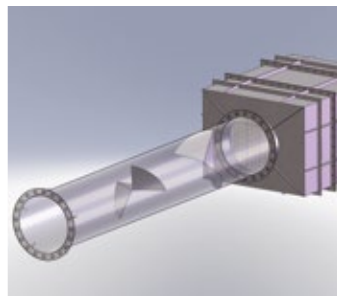




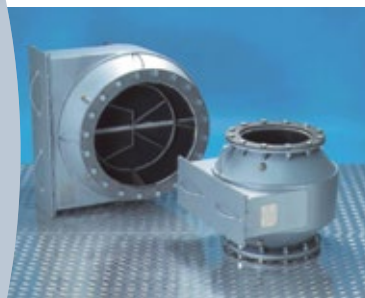
Miretti Emission Control Systems



DeNOx SCR

**- 80% HC
hydrocarbons**

**- 99% particulate
and PM10**



Oxy & 3 Way Catalysts

**- 98% NOx
nitrogen
oxides**

**- 98% CO
carbon
monoxide**



**Oxy Special Substrates for Biogas
Soot Filter (DPMF)**

**over 40 years
dedicated to the environment and safety of the workers**



Miretti is also leader in Explosion Proof Protections

Miretti DeNOx SCR System

SCR DeNOx is designed for reducing Nitrogen oxides (NOx) in exhaust gas through conversion in Nitrogen (N₂) and water (H₂O).

This process is named Selective Catalytic Reaction (SCR).

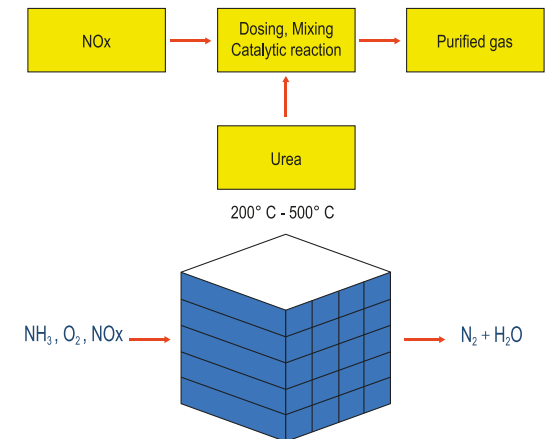
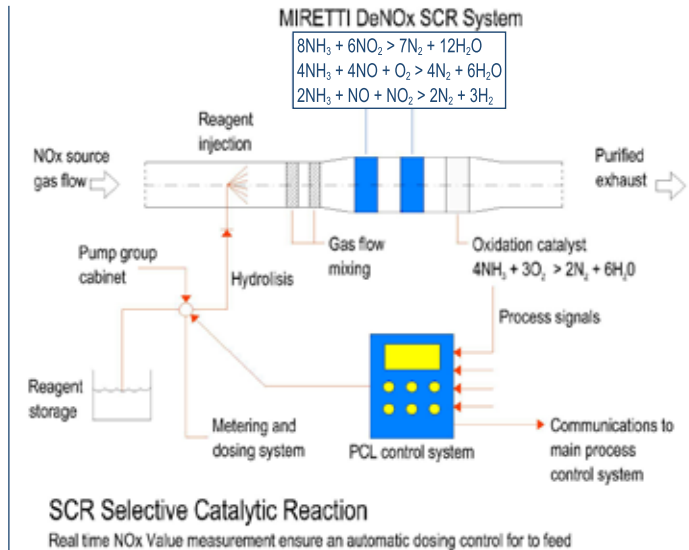
The reaction needs ammonia (NH₃) as a reducing agent, a temperature high enough and a catalytic brick wall.



Catalytic Ceramic Element

ADVANTAGES:

- 98% performance
- highly efficient
- low operating costs

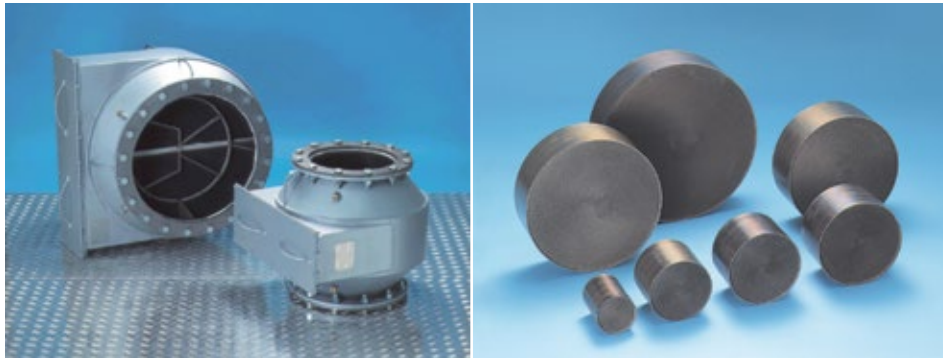


Miretti also has the expertise for SNCR Selective NON Catalytic Reduction System

OXY Metallic Catalytic Converters for heavy and medium power (400 kw-4300 kw)

Miretti oxidative catalytic converters are fitted to purify exhaust fumes from natural gas engines (lean burn and rich burn) as well as diesel engines. A vast range of dimensions for all types of application and use is available. They can be custom built in accordance with Customer specifications, provided with or without flanges. The "Quick Lid" type is equipped with an extractable box for rapid inspection and maintenance.

The catalytic converter is sized in relation to the engine data, type of exhaust gas and the maximum allowable back pressure, all specifically calculated. Qualified Technical Assistance is available to aid Customers both in the initial phase of design as well as during the subsequent assembly phase and operational functioning. Emissions Measurement Service is available.



ADVANTAGES:

- reliability and durability
- a wide variety of sizes
- very rapid delivery times

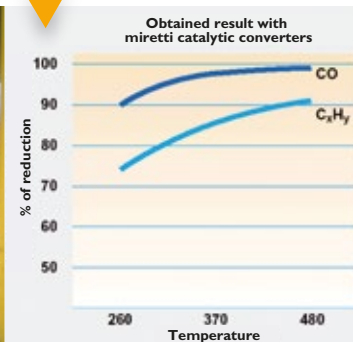
OXY Metallic Catalytic Converters for light power (2 kw – 400 kw)

They are the standard products for power ranges from 2 kw to 400 kw.

Moreover they can be also customized for natural gas, gasoline or diesel engines, forklifts, engines for mining, machinery for industrial and civil construction, stationary engines for power generation (co-tri-generation)



Miretti Oxy Catalyst Performance related to exhaust gas temperature



ADVANTAGES:

- the correct working temperature is rapidly reached due to the high thermal conductivity of the substrate;
- low backpressure
- excellent conversion efficiency

Oxy Special Substrates for Biogas

Oxidation Catalyst Substrates with Special Coating for Biogas Application. They assure lower back pressure, increased durability, quickest maintenance process. The Catalytic Converter Unit is a quick lid type of enclosure.



Substrates with different precious metals coatings



Soot Filter (Diesel Particulate Matter Filter - DPMF)

The Miretti Solution reduces particles by 99% from diesel engines. Power from 35 kw to 300 Kw. More filters can be installed in case of higher power.

Soot Filter is available in two versions:

- Non Catalyzed: reduction of particulate (99% Buwal/Vert test I) and of PM10.
- Catalyzed: reduction of particulate (99% Buwal/Vert test I), PM 10, CO and HC when the exhaust temperature reaches 200° C.

It self regenerates during the normal functional cycle.

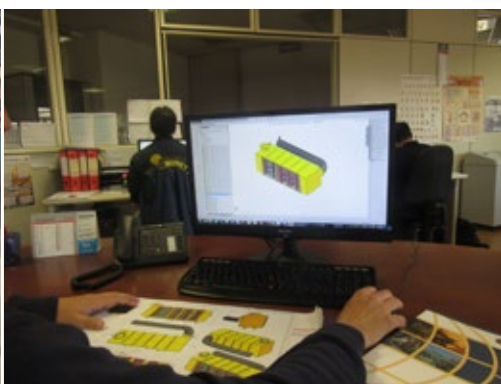


Since 1973 Miretti
is leader in
Emission Control Systems
to reduce:

- 98% CO carbon monoxide
- 80% HC hydrocarbons
- 98% NOx nitrogen oxides
- 99% particulate and PM10



**Miretti in house
assembled substrates**



The high quality know-how of our specialized engineers

Miretti Systems

reduce toxic emissions from combustion engines:
DeNOx SCR, Catalytic Converters Purification,
Regenerative after burner Miretti Anti-Particulate Filter.

Miretti Systems are applicable
to engines burning:
Diesel, Natural Gas, Biogas,
Syngas, Vegetal Oil,
Animal Fat.

Miretti Applications:
Power Plants, Industrial, Mines,
On and Off Road Vehicles,
Generators Sets.

Miretti has been leader since 1973 in Emission Control Systems and Explosion Proof Protection of vehicles and boasts impressive experience in the field.

The company operates all over the world with branches in USA, China, Germany, UK, France, Hungary, Benelux, Australia, Singapore.

Miretti is ISO 9001:2000 certified and is an approved supplier for the most important World Manufacturers.

Constant research focuses on new technologies and innovative solutions.

All Emission Control Systems and Explosion Proof Conversions are developed and implemented in agreement with local standards and regulations.

Miretti ensures a reliable after-sales service, qualified technicians, quality and fast maintenance.



Expertise of over 40 years
Quality & Innovation
Competitive Pricing
Certifications & Testing
After Sales Service
Training & Product Education
Research & Development
Reliable Customized Solutions
Global footprint





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