

**NEW** **ara**™  
*super magnetic  
water treatment systems*



*super catalyzer*™



EXCECON bvba-sprl  
Zwaarveld 9A  
B-9220 HAMME  
T. +32 (0)52 22 28 66  
[www.excecon.com](http://www.excecon.com)

## OUR SYSTEMS

**vosges**™  
*Future Technology*

VOSGES di Moreno Beggio  
Via Roma, 133  
36040 TORRI DI QUARTESOLO - Vicenza - Italy  
Tel. ++39 0444 387119 r.a. - Fax ++39 0444 264228  
[www.vosges-italia.it](http://www.vosges-italia.it)  
E-mail: [estero@vosges-italia.it](mailto:estero@vosges-italia.it)

Produced by

**vosges**™  
*Future Technology*

## THE NEW ARA SYSTEM

The system studied by Vosges for the **NEW ARA ionic accelerators radically solves numerous drawbacks and dams caused by deposits and incrustations of calcium carbonate in appliances and pipes.**

The principle of operating is simple and sophisticated at the same time: it is based on the forced flowing of water through a high intensity magnetic field (10.000 Gauss).

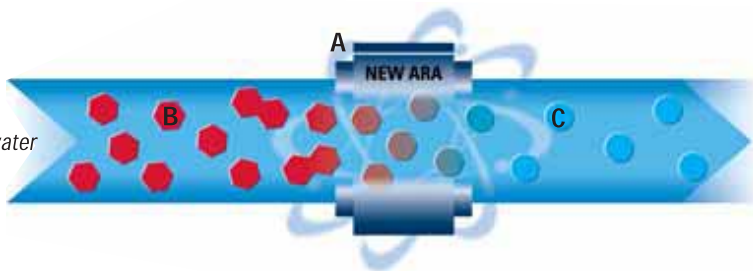
This magnetic field isn't generated by electric connections, but by **NATURAL PERMANENT MAGNETS** and so the power doesn't decay with the passing of time.

In this way, the calcium instead of making deposits and solidify in pipes, is transformed in a softening precipitated (called ARAGONITE): it's similar to talc that remains in suspension, preventing the formation of scale.

Besides, **NEW ARA determines the progressive dissolvement of preexisting formations of calcareous scale.**

Thanks to its particular solidity and resistance NEW ARA, once installed, doesn't need maintenance or operational expenses.

- A - NEW ARA
- B - bicarbonates present in the water
- C - aragonite inert crystals



## THE SUPER CATALYZER SYSTEM

The system studied by Vosges for the SUPER CATALYZER is based on the scientific effects of an intense magnetic field (10.000 Gauss).

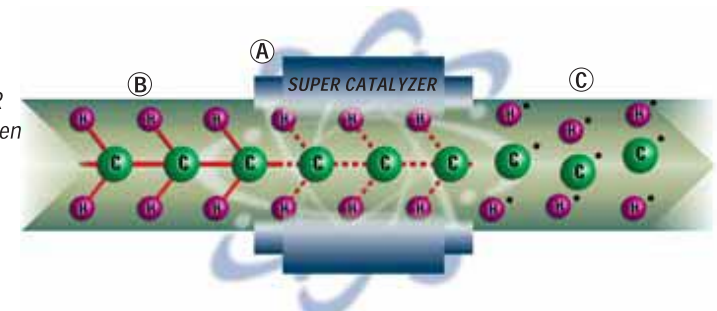
This magnetic field isn't generated by electric connections, but by **NATURAL PERMANENT MAGNETS** and so the power doesn't decay with the passing of time.

The action of the magnetic field leads the fuels in a highly reactive and dynamic form called "radical", physically reducing the binding energy among the carbon and hydrogen atoms.

By consequence, you will obtain a **reduction of the specific consumption, a decrease of air pollution**, total recovery of the available chemical energy in the unburnt elements, **reduction of the polluting emissions that cause the opacity of the smokes**, total oxidation of the unburnt elements (HC, CO, C) in carbon dioxide and water.

Thanks to its particular solidity and resistance SUPER CATALYZER, once installed, doesn't need maintenance or operational expenses.

- A - SUPER CATALYZER
- B - carbon and hydrogen atoms
- C - "radical" combination



## BABY DIESEL

It's suitable for diesel burners up to 50.000 K/cal, motorbikes and go-kart from 150 cc on and cars with petrol, diesel, methane and gpl engines up to 1.000 cc that utilise steel pipes for the system of the adduction of the fuel.

**Installation in the burners:** between the pump and the head of combustion of the burner.

**Installation in petrol engines:** between the fuel pump and the carburettor or the injection system.

**Installation in diesel engines:** between the fuel pump and the diesel filter in the models with pump, after the diesel filter in the models with the injectors pump.

**Installation in gpl engines:** between the tank and the expansion tank, near the last one.

Dimensions mm Ø 42 x 100 connection ¼ gas.

**N.B. The Super Catalyzer has no sense of installation.**

## BABY GAS

It's suitable for gas burners up to 30.000 K/cal (generally the domestic boiler), or the gas lance with singular power inferior of 30.000 K/cal (generally little furnace).

**Installation:** in the gas entrance of the boiler or in the connection of the lance.

Dimensions mm Ø 32 x 81 connection 1/2" M/F.

**N.B. The Super Catalyzer has no sense of installation.**



## MOTOR-CYCLE

It's suitable for motorbikes and go-kart from 150 cc on and cars with petrol, diesel engines up to 1.000 cc that utilise rubber pipes for the system of the adduction of the fuel.

**Installation in petrol engines:** between the fuel pump and the carburettor or the injection system.

**Installation in diesel engines:** between the fuel pump and the diesel filter in the models with pump, after the diesel filter in the models with the injectors pump.

Dimensions mm Ø 42 x 114 rubber connection 8 mm.

**N.B. The Super Catalyzer has no sense of installation.**

## CAR

It's suitable for cars and delivery vans with petrol, diesel from 1.000 cc on that utilise rubber pipes for the system of the adduction of the fuel.

**Installation in petrol engines:** between the fuel pump and the carburettor or the injection system.

**Installation in diesel engines:** between the fuel pump and the diesel filter in the models with pump, after the diesel filter in the models with the injectors pump.

Dimensions mm Ø 42 x 168 rubber connection 8 mm.

**N.B. The Super Catalyzer has no sense of installation.**



## TRUCK

It's suitable for truck, bus and heavy means of transports with petrol, diesel engines with any swept volume that utilise rubber pipes for the system of the adduction of the fuel.

**Installation in petrol engines:** between the fuel pump and the carburettor or the injection system.

**Installation in diesel engines:** between the fuel pump and the diesel filter in the models with pump, after the diesel filter in the models with the injectors pump.

Dimensions mm Ø 42 x 168 rubber connection 10 mm.

**N.B. The Super Catalyzer has no sense of installation.**

## TOP CALOR

It's suitable for diesel burners up to 700.000 K/cal, cars, truck, bus and heavy means of transports with petrol, diesel, methane and gpl engines over 1.000 cc that utilise steel pipes for the system of the adduction of the fuel.

**Installation in the burners:** between the pump and the head of combustion of the burner.

**Installation in petrol engines:** between the fuel pump and the carburettor or the injection system.

**Installation in diesel engines:** between the fuel pump and the diesel filter in the models with pump, after the diesel filter in the models with the injectors pump.

**Installation in gpl engines:** between the tank and the expansion tank, near the last one.

Dimensions mm Ø 42 x 128 connection ¼ gas.

**N.B. The Super Catalyzer has no sense of installation.**



## SUPER CATALYZER THREADED

(Measures from ½" to 2")

It's suitable for burners, furnaces, dryers, gas lances: the dimension of the Super Catalyzer depends on the gas pressure after the stabilizing valves, on the diameter of the gas adduction and on the boiler/furnace/dryer and burner power.

Moreover it's suitable for burners, furnaces, dryers and marine engines fed by thick oil, btz, biodiesel with a consumption between 14 and 70 lt/min. and for quarry and yard motor-vehicles.

**Installation in gas burners:** after the stabilizing valves, before the burner.

**Installation in burners and diesel, thick oil, low way of sulphur and biodiesel engines:** between the pump and the head of combustion.

**N.B. The Super Catalyzer has no sense of installation.**

## SUPER CATALYZER FLANGED

(Measures from 2" to 28")

It's suitable for burners, furnaces, dryers, gas lances: the dimension of the Super Catalyzer depends on the gas pressure after the stabilizing valves, on the diameter of the gas adduction and on the boiler/furnace/dryer and burner power.

Moreover it's suitable for burners, furnaces, dryers and marine engines fed by thick oil, btz, biodiesel with a consumption over 450 lt/min.

**Installation in gas burners:** after the stabilizing valves, before the burner.

**Installation in burners and diesel, thick oil, low way of sulphur and biodiesel engines:** between the pump and the head of combustion.

**N.B. The Super Catalyzer has no sense of installation.**



## NEW ARA THREADED

(Measures from ½" to 2")

It's suitable for cold water or for water with a temperature not over 35°, in every situation where the dimension of the pipe of the water entrance, after the meter, is right or where there is a pump or an autoclave with a power from 35 to 220 lt/min.

**N.B. The New Ara has no sense of installation.**

**N.B. It must be installed after a mechanical filter of 60 or 50 micron and before a no return valve.**



## NEW ARA FLANGED

(Measures from 2" to 28")

It's suitable for cold water or for water with a temperature not over 35°, in every situation where the dimension of the pipe of the water entrance, after the meter, is right or where there is a pump or an autoclave with a power from 450 to 45.000 lt/min.

**N.B. The New Ara has no sense of installation.**

**N.B. It must be installed after a mechanical filter of 60 or 50 micron and before a no return valve.**



## NEW ARA HOT WATER

(Measures from ½" to 2")

It's suitable for all the re-circle situations of the hot water or for water with a temperature over 35°, after a pump with a power from 40 to 250 lt/min.

**Installation:** after the filter and the re-circle pump.

**N.B. The New Ara has no sense of installation.**

**N.B. It must be installed after a mechanical filter of 60 or 50 micron for hot water and before a no return valve.**



## NEW ARA SPECIAL SERIES

(Measures from ½" to 2")

It's suitable for all the re-circle situations of waste water or for water deriving from processing for industrial use, after a pump with a power from 50 to 600 lt/min.

**Installation:** after the filter and the re-circle pump.

**N.B. The New Ara has no sense of installation.**

**N.B. It must be installed after a mechanical filter of 100 or 90 micron and before a no return valve.**





## VALIDITY OF THE WARRANTY

### **SUPER CATALYZER**

According to the rules, the Laws and the International Right.  
The warranty of the product fails when there are breaches or malfunctions caused by a not corrected manipulation of the catalyzer, hits, openings with consequent interruptions of the magnetic field.

In the case of utilization on thick oil and low way of sulphur the SUPER CATALYZER must be installed after a fuel pre-heating system, that rises up the temperature of it to at least 60°.

The product is in conformity with the regulations of the law 443 of 21.12.1990.

### **NEW ARA**

According to the rules, the Laws and the International Right.  
The warranty of the product fails when there are breaches or malfunctions caused by a not corrected manipulation of the ionic accelerator, hits, openings with consequent interruptions of the magnetic field, and, if the NEW ARA accelerator isn't installed between a mechanical filter of 60 or 50 micron and a no return valve.

The product is in conformity with the regulations of the law 443 of 21.12.1990.

## IMPORTANT NOTE

Our technical office is able to study and define articles by request for measures, flows and particular requirements.

In the civil ambit, it's possible to realize specific NEW ARA ionic accelerators for aquariums, coffee machines, water dispenser, etc.

In the industrial ambit, it's possible to realize NEW ARA ionic accelerators and plants for the treatment of waste and industrial water, for streams, lakes and catch basins.

Through our catalyzers for fuels SUPER CATALYZER we are also able to regenerate exhaust hydrocarbons for their re-utilization.

The installations of our products can be included in the matter in hand provided by some fiscal facilities.

Contact us without any obligation on your behalf.

