

FILTER WASHER

DPF REVIVAL CTW1200



www.dpf-revival.com

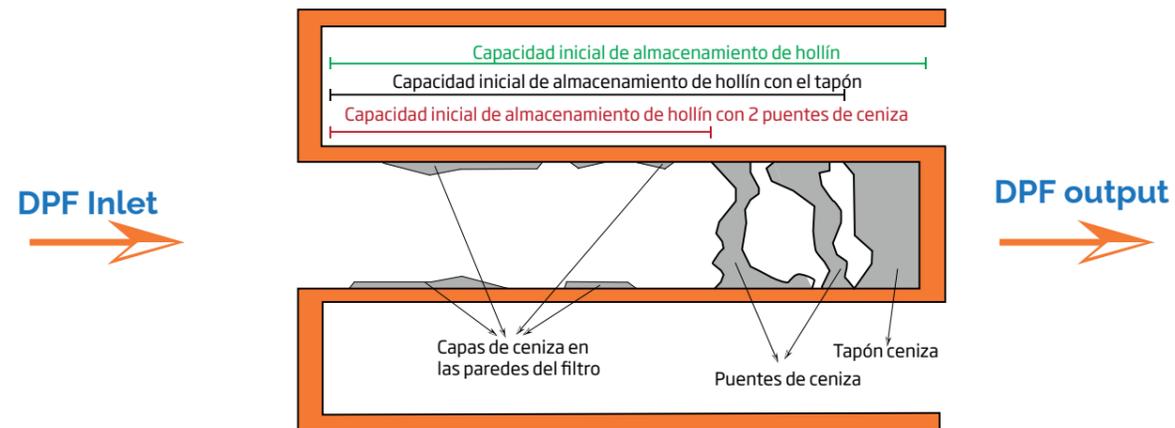




Main problem: accumulation of ash and soot

Although it is commonly referred to as carbon, the particulate filter is affected by two different materials that accumulate inside it. We are talking about ash and soot.

Normally soot is removed by regenerations which burn the soot, but are not able to remove the ash.



Costs resulting from particulate filter and catalytic converter problems

Direct costs

- Towing due to particulate filter failure
- Particulate filter replacement
- Loss of time for repairs
- Penalties for polluting emissions

Indirect costs

- Loss of engine performance
- Risk of damage to other systems
- Increased consumption

Filters with different damages

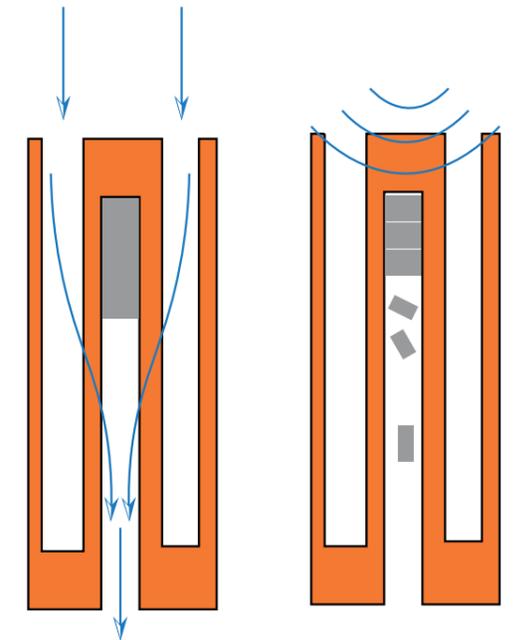


Cleaning operation

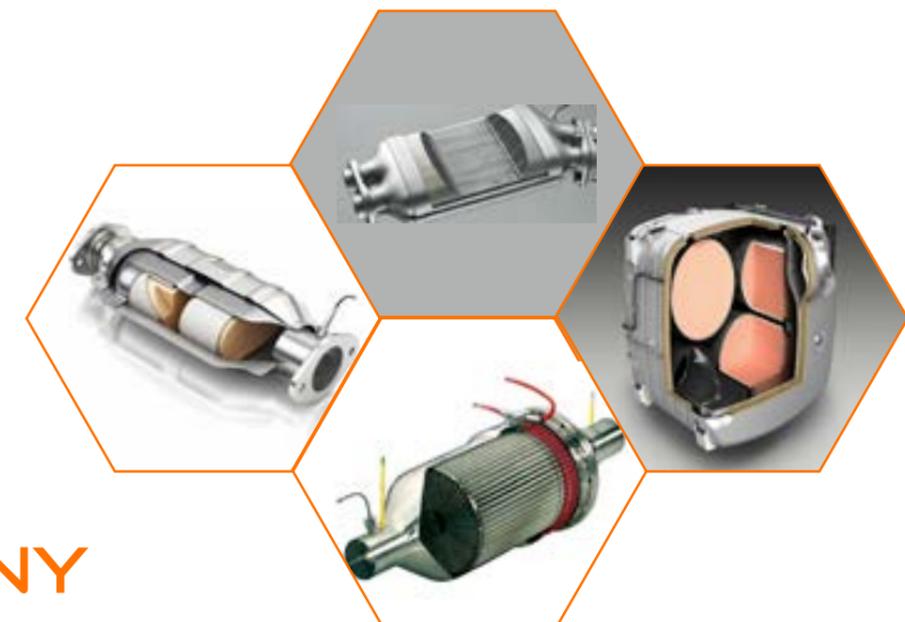
There are cleaning procedures using **pneumatic systems** that, due to fluid dynamics, the air tends to find the best path with the least resistance and is often unable to remove ash plugs that may have formed.

Pressurized Water Cleaning emits constant waves into the region where the ash plug has formed and manages to break it up and transport it out of the particulate filter.

With the help of a specific soap, the temperature of the cleaning solution, controlled water pressure, and the help of pressurized air pulses, an effective cleaning of any particulate filter is achieved.



DPF REVIVAL



FOR ANY PARTICULATE FILTER

DPF REVIVAL CTW 1200

 DPF REVIVAL
— CTW 1200

Universal washer for particulate filters of passenger cars, light commercial vehicles and trucks. 3 washing modes, 120 liters tank and heating of the cleaning liquid.

It has 3 washing modes, 120 liter tank and heating of the cleaning liquid.

It can be used without disassembling the particulate filter from the vehicle by simply disconnecting it and connecting the machine.

Equipped with a valve for pressure release in very saturated filters, avoiding displacement of ceramics.

99% efficiency in DPF and CAT recovery.

Total ash, oil and soot removal.

Fast return on investment.

Profitability in 3 months cleaning 2 filters per week.

New innovative service that generates new customers and opens a new line of business.

The DPF Revival CTW 1200 is ideal for mechanical workshops, commercial vehicle workshops, specialists in cleaning and rebuilding components. Truck fleets and industrial vehicles

Particulate filter maintenance is essential to prevent breakdowns and damages that cause vehicle downtime and high repair costs.

A good maintenance respecting the service times and making a cleaning planning is the only way to a long life of the filters and cost savings.



Control panel

Intuitive touch-screen control panel that allows you to select the washing mode, temperature and filter cleaning time.



Washing modes

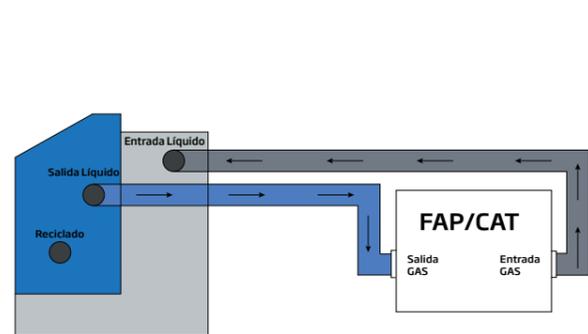
The DPF Revival CTW 1200 has 3 wash modes:

- Standard mode: the washer pressurizes water according to the selected time and temperature settings.
- Normal mode: the washer constantly pressurizes air and water according to the selected time and temperature settings.
- Exhaustive mode: the washer constantly pressurizes water and at intervals introduces pulses of pressurized air to assist filter cleaning; according to the selected time and temperature setting.

Connections in washing mode

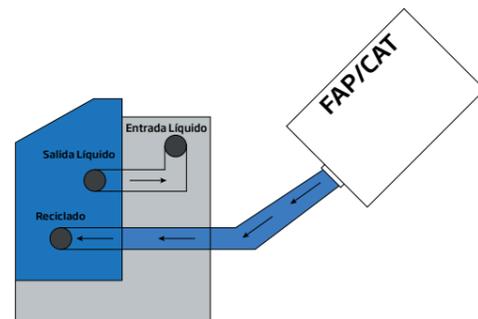
Working in washing mode, we connect the water outlet of the machine to the gas outlet of the particulate filter (exhaust side); and the other end of the filter (engine side) we put it back to the tank through the liquid inlet.

The valve inside the machine must be open for the pump outlet.



Connections in recycled mode

The recycling mode is used to help empty the liquid inside the filter. To do this, we connect one end of the filter to the recycling socket of the machine, we change the valve inside the machine. We connect with the other hose the outlet of the liquid with the inlet to the tank. We put the filter in vertical position so that the water falls.



Small inflatable connectors

For Ø40-70 mm holes



Large inflatable connectors

For Ø70-160 mm holes



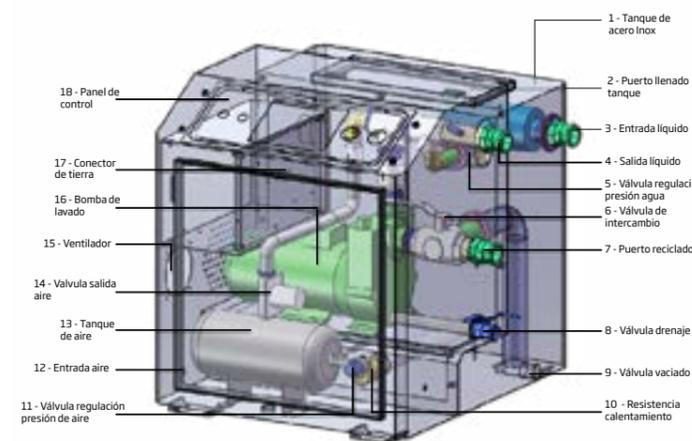
Connectors with holes

All models with screw fixing. Two sets with different sizes are included to fit all types of filters.



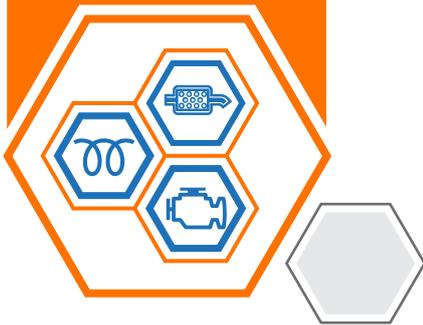
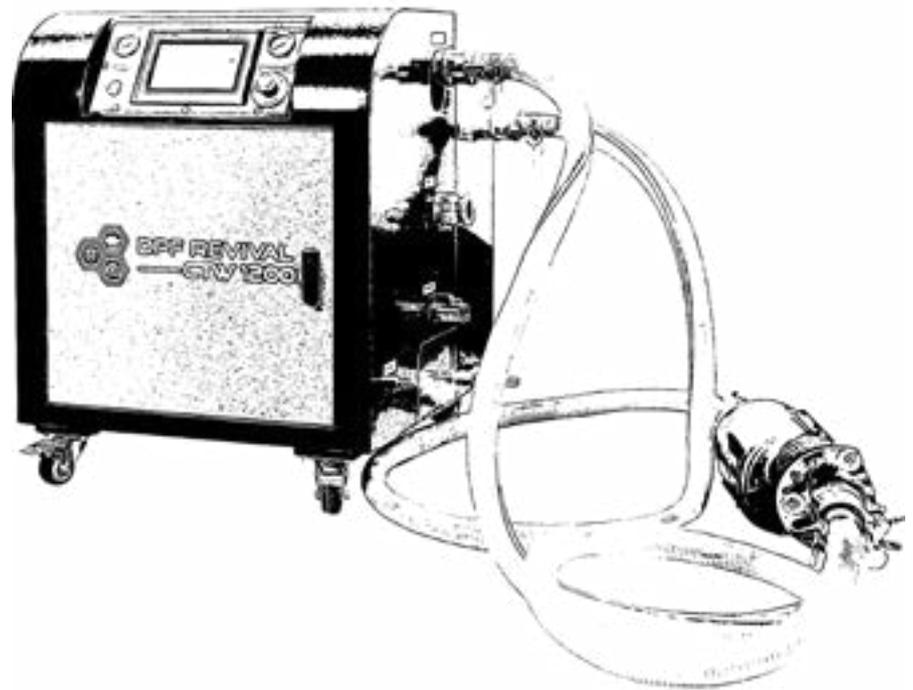
Washing hoses

Hoses for connection of particulate filter inlet and outlet to the machine



TECHNICAL DATA

Power Supply	400V - 3 PH - 50 Hz
Air inlet	1/4" max 10 bar
Tank capacity	120 liters
Calentamiento	7.5 Kw
Washing pump	160 l/min - 2.2 kw
Measures	750 x 730 x 855 mm
Weight	105 Kg
Material	Aisi 304 Stainless Steel For parts in contact with water



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