ISO 9001
ISO 14001
BUREAU VERITAS
Certification

FILTER WASHING MACHINE

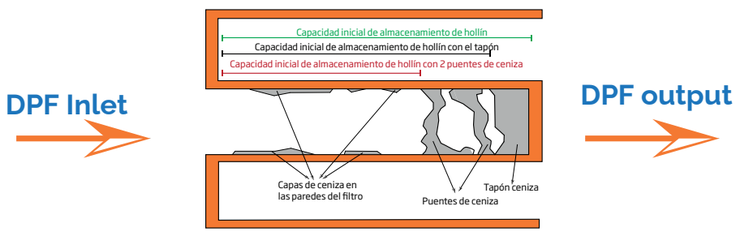
DPF REVIVAL CTW1200

www.dpf-revival.com

Main problem: accumulation of ash and soot.

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

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



Costs resulting from particulate filter and catalyst problems

Direct costs

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

Indirect costs

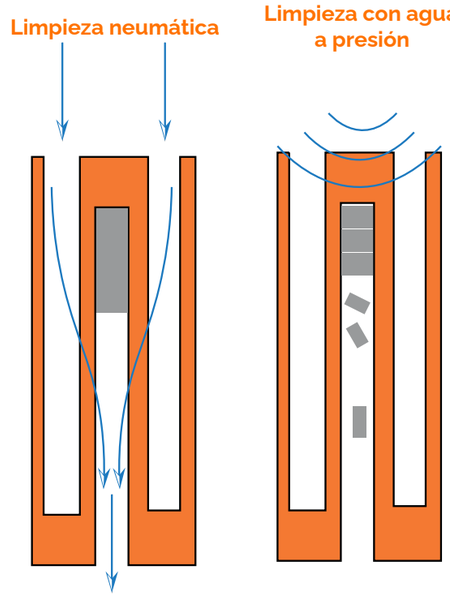
- Loss of engine performance
- Risk of damage to other systems
- Increased fuel consumption

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 the ash plugs that may have formed.

Pressurised 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 pressurised air pulses, an effective cleaning of any particulate filter is achieved.



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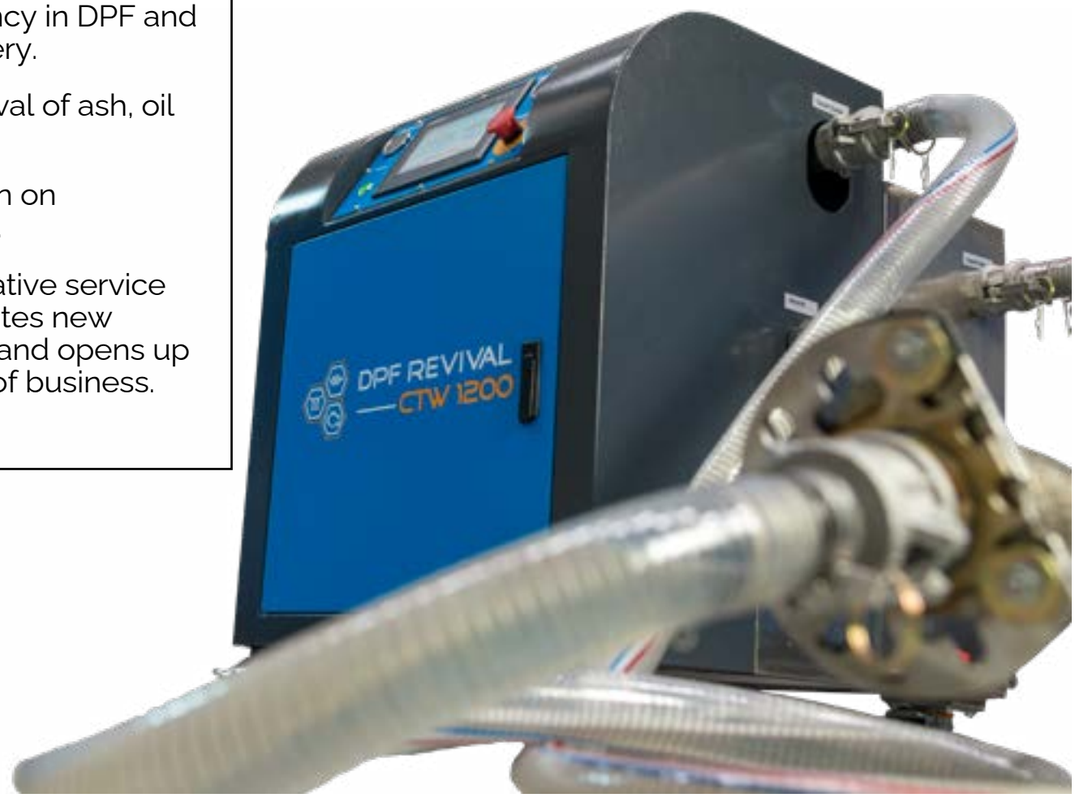
99% efficiency in DPF and CAT recovery.

Total removal of ash, oil and soot.

Rapid return on investment.

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



Universal washer for particulate filters of passenger cars, light commercial vehicles and industrial vehicles.

Customisable programmes for filter washing.

Particulate filter (DPF) or catalytic converter (CAT) selector.

Multiple languages.

Configurable ticket.

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Control panel

Intuitive touch control panel allows selection of wash mode, temperature and filter cleaning time.

Washing modes

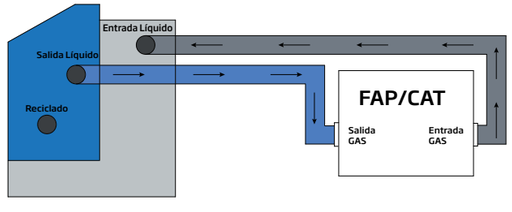
The DPF Revival CTW 1200 has 3 wash modes:

- Standard mode: the machine pressurises water according to the selected time and temperature setting.
- Normal mode: the machine constantly pressurises air and water according to the selected time and temperature setting.
- Exhaustive mode: the washer constantly pressurises water and at intervals introduces pressurised air pulses to assist filter cleaning; according to the selected time and temperature setting.

Connections in wash mode

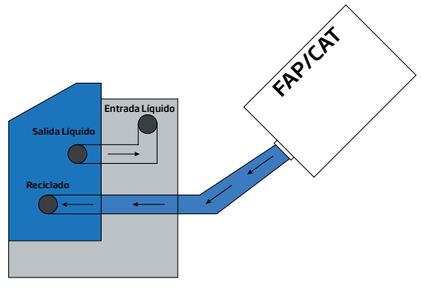
Working in flushing mode, we connect the water outlet of the machine to the gas outlet of the particulate filter (exhaust side); and the other end of the filter (engine side) we put it back to the tank through the liquid inlet.

The stopcock 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, connect one end of the filter to the recycling socket of the machine, change the stopcock inside the machine. Connect the other end of the hose to the inlet of the tank. We put the filter in a vertical position so that the water falls.



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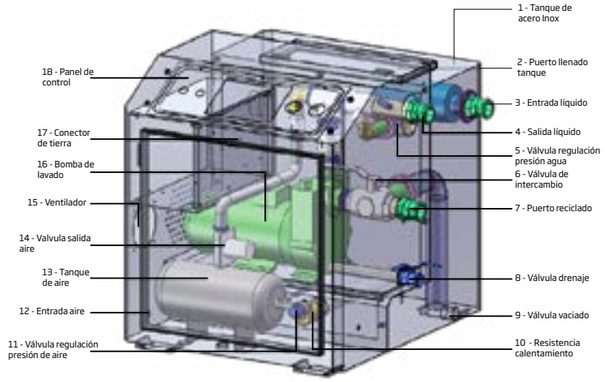

TECHNICAL DATA	
Power supply	400V - 3 PH - 50 Hz
Air intake	1/4" max 10 bar
Tank capacity	120 litres
Heating	7.5 Kw
Washing pump	160 l/min - 2.2 kw
Measures	750 x 730 x 855 mm
Weight	105 Kg
Material	Aisi 304 Stainless Steel For parts in contact with water

Standard equipment

1 Bottle DPF Cleaner

Large multi connector

Small multi connector

Guillotine connector

Silicone connector ø51

Silicone connector ø64

Silicone connector ø76

Straight connector

Tampon kit

OPTIONAL: EURO6 filter holder

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OPTIONAL: DPF Dryer

Thanks to the power and drying capacity of the **DPF Dryer**, it can be used to dry any particulate filter or catalytic converter from passenger cars, vans, trucks, agricultural vehicles etc.

The **DPF Dryer** is capable of drying a car filter in only 10 minutes.

Ideal as a drying complement for those machines that do not have their own drying system as well as to work in conjunction with any type of machine to shorten delivery times. Drying is normally the bottleneck in the cleaning process.

TECHNICAL DATA	
Power supply	400V - 3 PH - 50 Hz
Power	8 kW
Absorption	20A
Temperature	0-150 °C
High	340 mm
Width	260 mm
Long	1.030 mm
Weight	23 Kg
Material	Stainless steel AISI 304

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OPTIONAL: DPF Tester

The operation of the **DPF TESTER** is very simple and intuitive.

Simply flow an air stream using our **CTW 1200** filter washer or by any other method, including the filter mounted on the vehicle.

With the sensor connected to the **DPF Tester** and the air flow the **DPF Tester** will display a back pressure value.

TABLE OF VALUES			
	CLEAN FILTER	DIRTY FILTER	CLOGGED FILTER
RPM'S	PRESSURE mBar	PRESSURE mBar	PRESSURE mBar
Idle 800-900	2-10	10-16	20-40
1500	10-15	20-30	40-60
2500	20-25	30-50	70-90
3000	30-40	50-70	90-120

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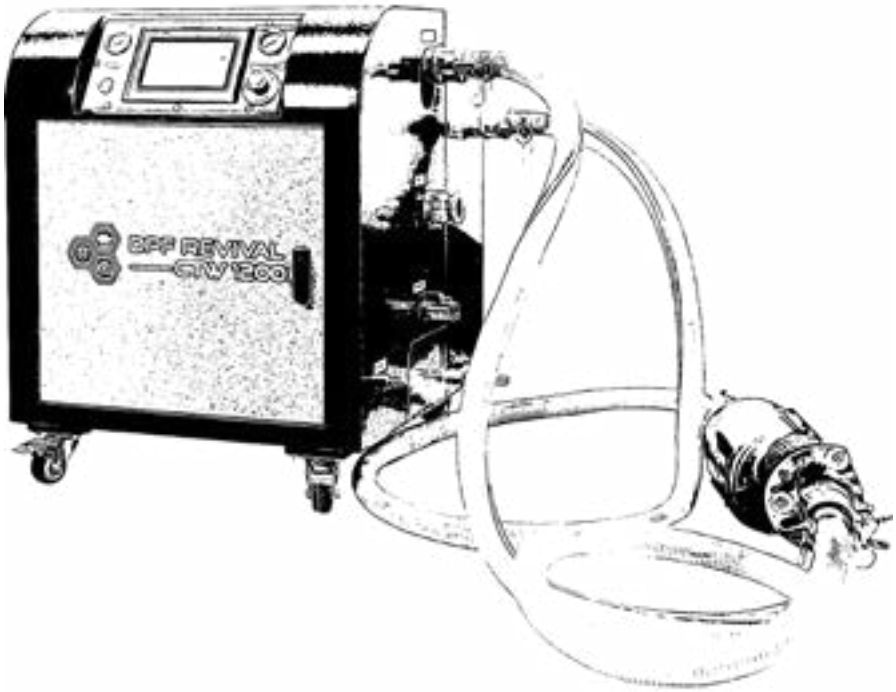

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