FLOWTECH EMISSION CONTROL

"Providing the unfair advantage"

AIM OF EMISSION CONTROL

WARRANTY 2 YEAR WARRANTY

To provide a solution for eliminating toxic exhaust emissions. This includes toxic gasses such as Carbon Monoxide (CO) and Hydrocarbons (HC), and Diesel Particulate Matter (DPM).

Why we are concerned with these toxic elements....

CARBON MONOXIDE

is a poisonous, colorless, odorless and tasteless gas. In large amounts this can overcome you in minutes, without warning - causing you to lose consciousness and suffocate.

HYDROCARBONS

can penetrate deep into the respiratory system, producing inflammation, narrowing of the airways leading to deprivation of oxygen for every day bodily functions.

DIESEL PARTICULATE MATTER

can be so fine (less than 1 micron diameter) that it penetrates deep into the respiratory system which can lead to heart and lung damage.

APPLICATIONS

- Operating machinery in confined spaces.
- Operating machinery in areas with high pedestrian activity.
- Governmental and site specific regulations/ requirements.
- OEM bespoke solutions.

KEY QUESTIONS

- What is the engine displacement (litres)
- Does it have a turbo?
- Does it have an aftercooler or charge-air cooler?
- What is the current exhaust pipe size?
- What is the application of vehicle/machine?
- What is the emission reduction you are trying to achieve?

PLEASE NOTE;

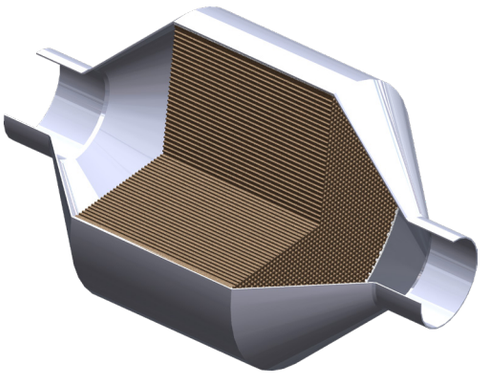
* Designed primarily for 4 stoke diesel engines

Contact CSC to find your exact solution

1300 78 FLOW

DIESEL OXIDATION CATALYST

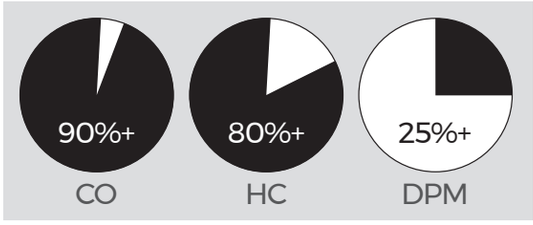
ALSO KNOWN AS A DOC



The Flowtech Diesel Oxidation Catalysts (DOC) are designed to remove high levels of Carbon Monoxide (CO) and Hydrocarbons (HC), and some diesel particulate matter (DPM).

TYPICAL ANALYSIS

Toxic elements are reduced by the below percentages



* Best catalyst performance occurs between 250 & 300 degrees celsius.

ADVANTAGES

- ✓ Highly durable metallic core
- ✓ Cost effective
- ✓ Low maintenance (Back pressure is your guide)
- ✓ Available as an add-in unit to an existing system on a project based requirement.
- ✓ Can be adapted to suit bespoke OEM applications.
- ✓ Can be incorporated into a Flowtech silencer.

DOC PURIFIERS

STOCK CODE	INLET / OUTLET (ID)	BODY DIAMETER	BODY LENGTH
CSW3-15	1½" (38mm)	72mm	200mm
CSW4-1.5	1½" (38mm)	98mm	218mm
CSW4-2	2" (51mm)	98mm	218mm
CSW5-25	2½" (63mm)	98mm	235mm
CSW6-3	3" (76mm)	135mm	235mm
CSW7-3	3" (76mm)	159mm	245mm
CSW7-35	3½" (89mm)	159mm	245mm
CSW8-35	3½" (89mm)	185mm	300m
CSW9-4	4" (102mm)	210mm	340mm
CSW9-5	5" (127mm)	210mm	340mm
CSW10-4	4" (102mm)	224mm	452mm
CSW10-5	5" (127mm)	224mm	452mm
CSW12-5	5" (127mm)	301mm	452mm
CSW12-6	6" (152mm)	301mm	452mm

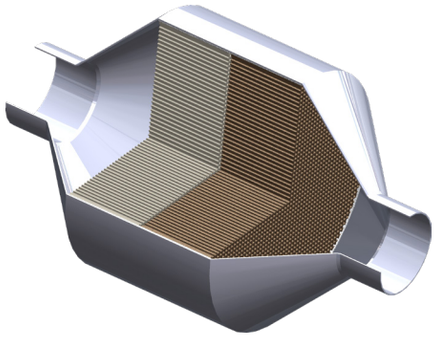
NAT. ASPIRATED	TURBO	TURBO AFTERCOOLED
0 - 1.3L	0 - 1.0L	0 - 0.76L
1.3 - 2.5L	1.0 - 1.92L	0.76 - 1.47L
2.5 - 4.1L	1.92 - 3.15L	1.47 - 2.41L
4.1 - 6.5L	3.15 - 5.0L	2.41 - 3.82L
6.5 - 9.8L	5.0 - 7.54L	3.82 - 5.76L
9.8 - 13.3L	7.54 - 10.2L	5.76 - 7.82L
13.3 - 16.4L	10.2 - 12.6L	7.82 - 9.65L
16.4 - 19.7L	12.6 - 15.2L	9.65 - 11.59L
19.7L - 23.2L	15.2L - 17.8L	11.59L - 13.75L

Note: Body Diameter and length may vary due to changes in catalyst sizes. Sizes approx. guide only. Confirm details at time of order.

Any requirements larger than listed phone or email for a solution.

DIESEL PARTICULATE FILTERS (DPF)

PARTIAL (FLOW-THROUGH) DPF



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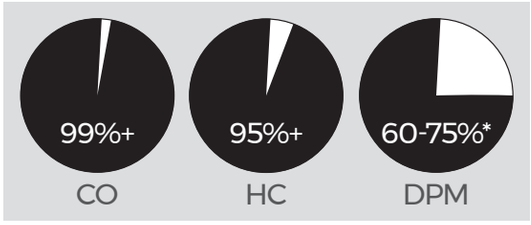


* Note; Depending on ratio of volatile and non-volatile (soot) fraction of DPM.

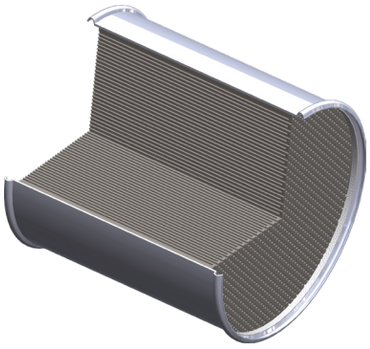
The Flowtech Partial (Flow-Through) DPF is a combination of a DOC+POC catalyst.

The combination of a Diesel Oxidation Catalyst and Particle Oxidation Catalyst is effective in removing high levels of Carbon Monoxide (CO) and Hydrocarbons (HC) as well as over 60% of Diesel Particulate Matter (DPM).

ADVANTAGES

- ✓ Low Maintenance (back pressure is your guide).
- ✓ Low accumulation of soot particles.
- ✓ May be suitable as an increased flow alternative to a wall flow DPF.
- ✓ Almost no increase in back pressure, compared to Wall Flow DPFs. This typically decreases fuel consumption, DPM, HC & CO emissions as well as exhaust temperature.
- ✓ Available as an add-in unit to an existing system on a project based requirement.
- ✓ Can be adapted to suit bespoke OEM applications.
- ✓ Can be incorporated into a Flowtech silencer.

WALL FLOW DPF



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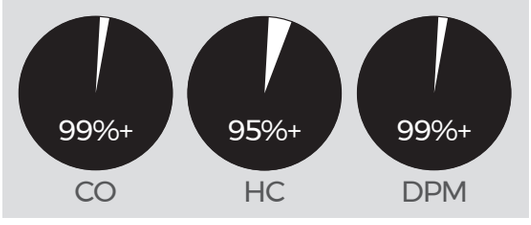

The Flowtech Wall Flow DPF is the most effective in removing high levels of Carbon Monoxide (CO), Hydrocarbons (HC) and Diesel Particulate Matter (DPM).

Removing more than 95% of all toxic gasses and trapping more than 99% of DPM. This is achieved through passive regeneration which means it uses the heat from the exhaust gasses to burn off these particles in a continuous manner.

ADVANTAGES

- ✓ These DPFs are passive, requiring no active regeneration or fuel additives.
- ✓ Removes ultra fine and nano particulates.
- ✓ These are customized to suit bespoke OEM applications and other specific requirements.
- ✓ Can be incorporated into a Flowtech silencer.

***Note: Wall Flow DPFs are built to spec. per application**