

Emission Control Solutions for Diesel Engines

POLLUTANT	SOLUTION	% REDUCTION
Odour (PM) – contributes to the atmospheric formation of respirable and odour-causing particulate matter.	The DOC (diesel oxidation catalyst) removes the soluble organic fraction (SOF) of the particulate	20 to 30% PM
HC	The DOC oxidizes the HC to CO ₂ and H ₂ O	>90% HC
CO	The DOC oxidizes the CO to CO ₂	> 90% CO
PM (Soot) – fine particulate matter is responsible for regional haze	A DPF (diesel particulate filter) traps the soot in the filter and the filter is regenerated by NO ₂ from the catalytic coating.	> 95% PM
PM, HC and CO	Safety Power's FOx® module combines DPF technology with an oxidation catalyst (DOC) to target the reduction of all three pollutants	> 95% PM, > 80% HC and > 90% CO
NOx contributes to the formation of smog and ozone increasing the respirable material that can pass deep into the lungs.	Safety Power's ecoCUBE® Emission Control System includes SCR (Selective Catalytic Reduction) catalyst in a compact reactor housing material that can control NOx emissions	> 95% NOx

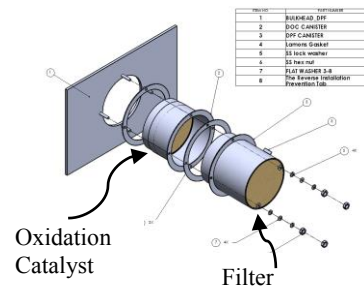
Diesel Oxidation Catalyst (DOC)



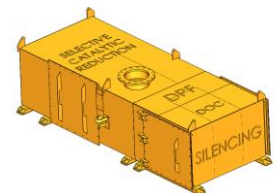
Diesel Particulate Filter (DPF)



SPI FOx®



SPI ecoCUBE®



Safety Power can assist you with proven engineered emissions control solutions for your stationary generators that can meet global emission standards including US EPA Tier 4 and Euro 6