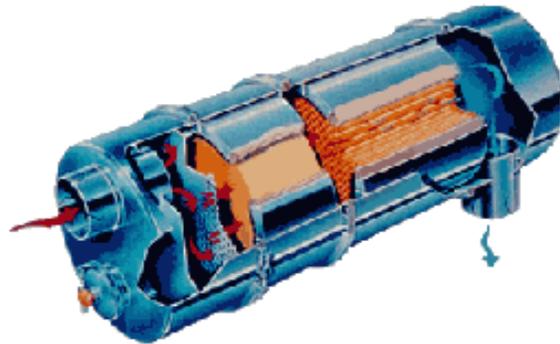


## Frequently Asked Questions In-Use Off-Road Diesel Vehicle Regulation

### General VDECS, Installation Dates for Double Credit FAQ Revised October 2012

**Q - What is the most common type of VDECS?**

A - Diesel particulate filters (DPFs) are the most common type of VDECS that will provide credit toward the requirements of the off-road regulation. These filters direct the exhaust flow through a filter, which captures a large portion of the particulate matter from the exhaust while allowing the exhaust gases to flow through. The resulting exhaust carries far less harmful particulate matter. The most effective filters for removing PM emissions are DPFs. There are two types of DPFs: active and passive.



**Q - What are the differences between active and passive DPFs?**

A - Active devices require the DPF to be heated via a fuel burner or electric heater to burn off the emissions accumulated during operation. Sometimes this requires a source of electricity and/or a period where the vehicle must run through a regeneration cycle, when the vehicle cannot be operated. The time between regenerations will vary depending on how much your engine is emitting (dirtier engines must regenerate more often than cleaner engines), and the particular DPF.

Passive devices burn off the emissions accumulating in the VDECS during the vehicle operation. The vehicle exhaust gases must be sufficiently hot for a certain percent of the operation time to make the passive regeneration work correctly. The VDECS manufacturer, or installer, can help you determine if your vehicles meet the temperature requirements to install a passive device.

**Q - How do I deal with the ash produced by a DPF that can not be burned off?**

A - As VDECS operate, they collect emissions from the engine. Eventually a DPF will collect ash that can not be burned off. ARB has released a guidance document on [how to manage this solid waste](#).

*While this document is intended to assist fleets with their compliance efforts, it does not alter or modify the terms of any ARB regulation. It is the sole responsibility of fleets to ensure compliance with the In-Use Off-Road Diesel Vehicle Regulation.*

**Q - Can I receive double credit for a VDECS if it won't be installed before the deadline date?**

A - If a fleet install a highest level PM VDECS or a VDECS verified to reduce NO<sub>x</sub>, prior to January 1, 2013 for large fleets, January 1, 2016 for medium fleets, and January 1, 2018 for small fleets, the fleet will accumulate double the credit that they would have receive if installed after these dates. This is stated in the off-road regulation, 2449.1, section 15 "Double Credit for Early VDECS Installations". Even though the off-road regulation uses the term "install", this is being interpreted to include having the VDECS ordered, but not installed, by these dates (I.E. for large fleets, by January 1, 2013). However, there must be contractual agreement by these dates, for the purchase of the VDECS, and the VDECS must be installed within 90 days.

*While this document is intended to assist fleets with their compliance efforts, it does not alter or modify the terms of any ARB regulation. It is the sole responsibility of fleets to ensure compliance with the In-Use Off-Road Diesel Vehicle Regulation.*