

## Most important differences between VERT & LRV

	VERT	LRV
<b>Status</b>	industry / international	legal / Swiss LRV per 01.01.2009
<b>Field test</b>	2000h	1000h
<b>Filtration</b>	PCFE 99% per 01.01.2010	PCFE 97% retrofitting or limit $10^{12}$ [1/kWh] OEM
<b>Other emissions</b>	NO <sub>2</sub> and noise regulated	unregulated
<b>Max. backpressure</b>	defined	undefined
<b>Books of charges</b>	- Additives - System control - Security	none
<b>Responsibility DPF-manufacturer retrofitter</b>	defined	undefined
<b>Coordination and aftermarket services</b>	yes	no
<b>Special regulations for small series; pull on filters</b>	yes	no
<b>Validity</b>	to be defined *)	5 years **)

All tests performed according to the Swiss Regulation SN 277206

VERT is recognised worldwide by:

SUVA (Switzerland)  
 AUVA, Tyrol construction (Austria)  
 BG Bau, UBA, TRGS 554 (Germany)  
 CARB partly, MSHA, New York City (USA)  
 VROM (Netherlands)  
 Alto Adige (Italy)  
 Mining (Canada)  
 London TFL and LEZ (UK)  
 For all applications (Denmark)  
 Santiago Bus, Gensets (Chile)  
 Hong Kong busses, Beijing (China)  
 UN-ECE

VERT... Verification of Emission Reduction Technologies  
 Verbesserung der Emissionen von Realmaschinen im Tunnelbau  
 LRV... Luftreinhalteverordnung  
 PCFE... particle counts filtration efficiency  
 FBC... fuel born catalyst

\*) possible: administrative review or shortened testing

\*\*) conformity procedure or shorter testing according to BAFU