VERT- certified Particle Filter Systems

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Particle-trap system for prolonged deployment

Prerequisite for enrollment in this list is successful completion of all 3 standard suitability tests VFT1+VFT2+VFT3, moreover VSET test for catalyticly active systems, complying with the criteria of the VERT specifications and verified at a designated test center. (see appendix)

			Deployment duty with manufacturer references						Approval number suitability test					Trapping Efficiencies					
														VFT1 (new)			VFT3 (after 2000h)		
			Truck	Bus	Construction site	Fork lift	Ship / Rail	Stationary	certification year	VFT1	VFT2	VFT3	VSET	PMAG	PZAG	ECAG	PMAG	PZAG	ECAG
DEUTZ	DPFS / DPF	CORNING							1995 1998	B021/12.95	B049/5.98	B049/5.98	----------	78.00	90.40	93.30	69.00	68.90	84.60
R1: Full-flow Diesel burner			●	●	●	●	●	●									*(melting-damage)*		
R2: Replaceable filter						●		●											
UNIKAT	V	CORNING DuraTrap™CO							1995 1998	B021/12.95	B049/5.98	B049/5.98	----------	79.20	92.30	97.40	50.40	99.00	93.10
R1: Electric in situ / standstill			●		●	●	●	●											
R2: Replaceable filter			●		●	●													
HJS	SMF®	Sintered metal filter							1995 1998	B021/12.95	B049/5.98	B049/5.98	EMPA 167985	85.90	85.60	99.00	39.30	97.00	97.30
R1: Fuel additive satacen (Fe)					●	●													
R2: Fuel additive EOLYS (Ce)					●	●													
UNIKAT	K18	IBIDEN SiC							2002	B118/10.02	B118/10.02	B118/10.02	----------	-----	-----	-----	90.50	99.99	-----
R1: Electric in situ / standstill			●		●	●	●	●											
R2: Replaceable filter			●		●	●													
HJS	CRT®	CORNING DuraTrap™CO after oxidation cat. converter.							1998 2002	B053/4.98	B097/10.01	B097/10.01	B111/10.02	83.80	99.40	-----	13.70	98.70	98.50
R: NO_2 from oxidation cat. converter			●	●	●	●													
JOHNSON-MATTHEY	DPFi/DPFiS/ DPF-CRT™	IBIDEN SiC cell filter							1999 2001	B059/6.99	B090/4.01	B090/4.01	EMPA 167985	84.50	99.30	-----	85.30	99.50	-----
R1: NO_2 from oxidation cat. converter			●	●	●	●													
R2: Electric in situ / standstill					●	●		●											
R3: Fuel additive satacen (Fe)					●	●	●	●											
R4: Fuel additive EOLYS (Ce)			●	●	●	●	●	●											
JOHNSON-MATTHEY	DPFi/DPFis/ DPF-CRT™	CORNING DuraTrap™CO.							2002	----------	B112/10.02	B112/10.02	B113/10.02	-----	-----	-----	-----	99.00	-----
R1: NO_2 from oxidation cat. converter			●	●	●	●													
R2: Electric in situ / standstill					●	●		●											
R3: Fuel additive satacen (Fe)					●	●	●	●											
R4: Fuel additive EOLYS (Ce)			●	●	●	●	●	●											

HUSS-Umwelttechnik	FxxS-Serie	IBIDEN SiC cell filter							**2002**	B105/4.02	B105/4.02	B105/4.02	----------	------	------	------	88.80	99.70	98.90
R1: Electric in situ / standstill			●		●	●	●	●											
R2: Replaceable filter					●	●													
HUSS-Umwelttechnik	FS Filter-Series	IBIDEN SiC cell filter							**2002 2003**	B109/7.02	B131/4.03	B131/4.03	----------	91.70	99.99	99.80	73.60	99.99	98.10
R: Diesel burner at standstill			●		●	●	●	●											
DCL	Titan™ and BlueSky™	IBIDEN SiC							**2000 2003**	B078/07.00	B125/02.03	B125/02/03	----------	77.70	99.60	------	80.90	99.99	95.60
R1: Replaceable filter					●	●													
R2: Electric in situ / standstill					●	●													
R3: Fuel additive satacen (Fe)						●		●											
R4: Fuel additive EOLYS (Ce)						●		●											
INTECO	ECOPUR Kxx yy	Metal fiber fleece BEKIPOR® ST							**2000 2003**	B082/10.00	B124/02.03	B124/02.03	----------	88.90	98.10	90.20	88.50	99.24	98.80
R: Fuel additive satacen			●		●	●		●											
ARVINMERITOR	B-30	CORNING DuraTrap™RC.							**2002 2003**	B115/10.02	B126/03.03	B126/03.03	----------	79.30	98.96	96.30	90.20	99.84	98.95
R: Full-flow Diesel burner			●	●	●	●													
ENGELHARD	DPX1	CORNING DuraTrap™CO							**2003**	B106/05.02	B106/05.02	B123/02.03	B114.03.03	87.20	99.99	99.00	80.90	99.60	98.00
R1: Catalytic coating			●	●	●	●	●	●											
R2: Electric in situ / standstill				●	●	●													

Particle-trap systems for brief deployment and special applications

			Deployment duty with manufacturer references						Approval number suitability test		trapping efficiencies					
											Phase 1			Phase 3		
			Truck	Bus	Construction	Fork lift	Ship / Rail	Stationary	certification year	VFT		PZAG	ECAG		PZAG	ECAG
EHC	L20	Glass fiber wool							**2000**	B072/3.00	------	96.70	------	------	------	------
R: Disposed as commercial waste			●	●	●	●										
TSH	TSH-AK xx yy	Ceramic / wire knit							**2003**	B127/03.03	------	98.90	------	------	------	------
R1: Catalytic coating			●	●	●	●										
R2: Hot air blower, off line																
HUG	Mobiru	braided fiber filter System HUG							**2001**	B099/11.01	------	------	------	------	98.60 *(after 22'000h.)*	96.42
R: Diesel burner during idling							●	●								

Accepted by :
BUWAL, Suva, TBG, AUVA, TRGS, UBA, MSHA, DEEP, CARB

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The latest updated version is on the Internet pages of the SAEFL Swiss Agency for the Environment, Forests and Landscape:
http://www.umwelt-Schweiz.ch/buwal/de/fachgebiete/fg_luft/vorschriften/industrie_gewerbe/filter/

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