



HOT STUFF!

→ PROVENTIA CHILI™ – INTELLIGENT ELECTRICALLY REGENERATED FILTER

Want to keep your machines up and running without extra downtimes? Let us introduce the self-maintaining Proventia CHILI™ filter. Emission controlling has never been as easy and reliable!

Proventia's active electrically regenerated CHILI™ filter is a brand new intelligent emission control solution for light to medium duty machines. CHILI™'s operations are continuously controlled and diagnosed by a control unit and don't require any attention from the driver. Including an on-board

regeneration system, CHILI™ cleans itself during driving by heating the filter elements electrically. This means no time-wasting downtime for filter maintenance.

The regeneration of an active CHILI™ filter is independent of the vehicle duty cycle and the temperature, which make

CHILI™ an ideal system for low load operation applications such as forklifts, mini excavators, street sweepers and delivery vans and trucks. Thanks to compact measurements, CHILI™ is perfect for the limited spaces of small diesel machines and vehicles.



More Reliability

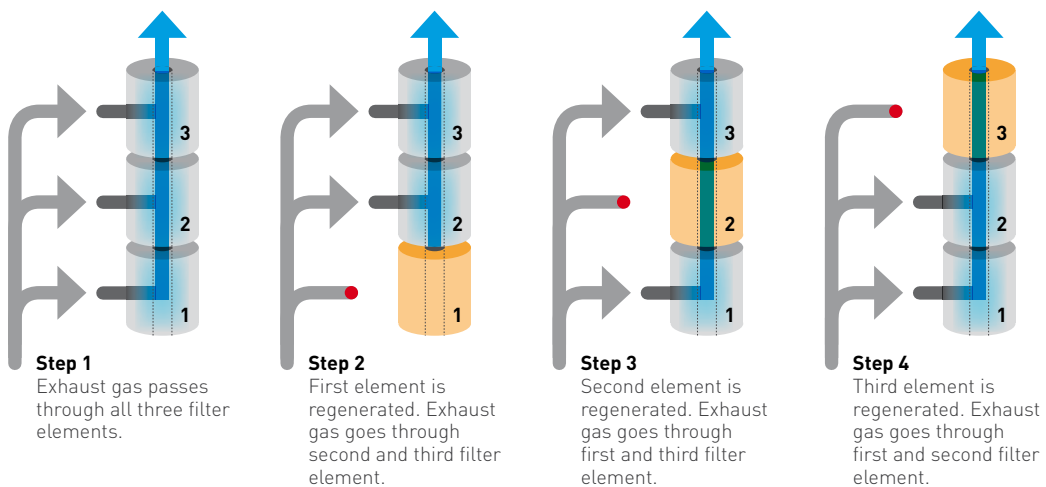
CHILI™'s operation is based on Proventia's CARB approved filter technology and patented sintered metal filters.

OPERATION PRINCIPLE:

CHILI™ is an intelligent system that offers unique reliability based on several sintered metal filter elements and

self-maintenance: when one of the filters needs regeneration, exhaust gases pass through other filters. The filter itself serves as a resistive heater that draws the power needed for regeneration from the machine's electrical system. The regeneration is fully automated and needs no

attention from the driver. CHILI™ adapts the regeneration to the operation routines, not only in a time-based manner but also by continuously measuring back pressure and initiating the regeneration only when necessary. At the same time CHILI™ gains excellent reduction rates cost-efficiently.





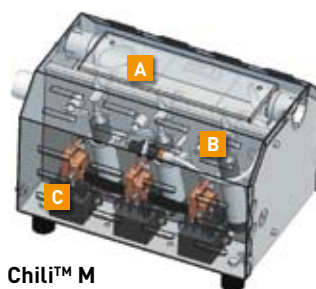
Better Reduction

BENEFITS:

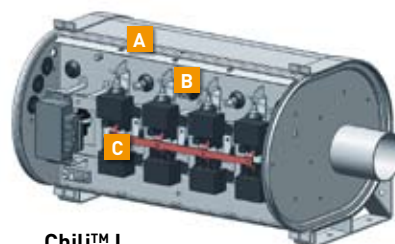
- PM Reduction over 90%
- With pre-catalyst CO and HC reductions over 80%
> no unpleasant smell or smoke
- No increase of NO₂
- Regenerates during driving
> no downtimes for the machines and vehicles
- Intelligent self-adaptive system
> no unnecessary regenerations
- No additives needed (FBC)
- Excellent noise reduction
- Compact measurements
> can be fitted to limited spaces
- Easy to install and use

FILTER COMPONENTS CHILI™ M & CHILI™ L

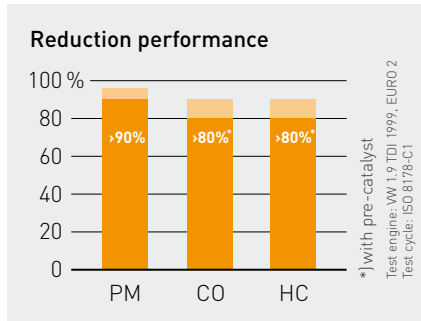
- A** Patented sintered metal filter elements working as a heating element for soot burning
- B** Electrically controlled exhaust valves
- C** Hi-current relays
- + Automotive standardized control unit
- + Electrical wire harness



Chili™ M

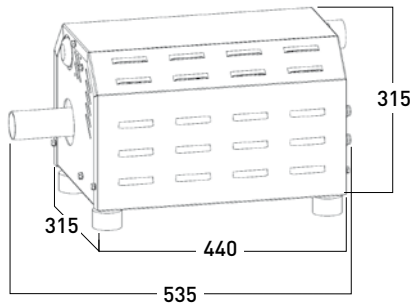


Chili™ L

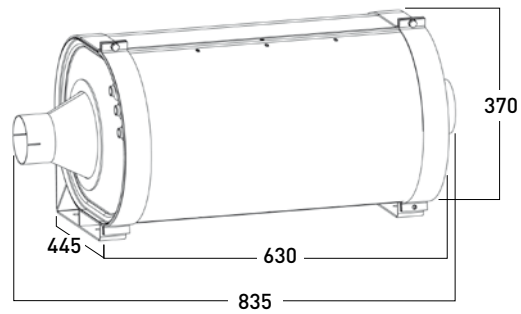


Technical Specifications

Chili™ M dimensions, mm



Chili™ L dimensions, mm



	CHILI™ M	CHILI™ L
Engine size	max. 56kW	56–130kW
Weight kg	31kg	55kg
Electrical power requirements	12 V system Alternator: over 60Ah Consumption: ca. 5–8 Ah/h	24 V system Alternator: 100Ah Consumption: ca. 8 Ah/h
Number of filters	3	4
Oxicat	Available as an option	Included
Installation options	Horizontal, inlet & outlet pipes modifiable	Horizontal / vertical