



PROAIR™

→ DIESEL PARTICULATE FILTER – UNIQUE DESIGN AND ONE-OF-A-KIND PURIFICATION PERFORMANCE

PROAIR™ diesel particulate filters, with their unique modular design offer exceptional variety to customers. The purification performance is guaranteed with the multiple choices of catalyst technologies. The unlimited installation options ensure that the filter fits each machine without any modifications.

PROAIR™ filters regenerate at normal diesel operating temperatures, which mean long maintenance intervals and minimum downtimes for the machine.

PROAIR™ filters are suitable for heavy-duty application, both on-road and off-road, as either retrofit or optionfit installations. Ready-made I and L type installation options ensure cost-

effective and easy installation on all vehicles and machines that would otherwise require customized design.

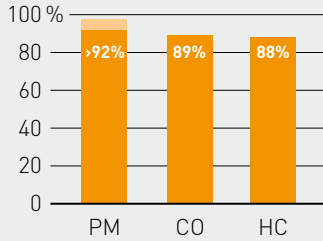
World-leading coating technology guarantees one-of-a-kind purification performance with over 90% PM reduction and long-term chemical durability. The PM oxidation temperature is lowered by the cordierite ceramic filter, allowing the filter to

regenerate without any additional devices or additives.

To ensure the smooth operation of the PROAIR™ filter, Proventia provides a Proventia PROCARE Data Logger that continuously monitors filter operation. It measures temperature and back pressure, and informs the driver whenever the filter needs maintenance.



Purification performance



Purification Performance Guaranteed

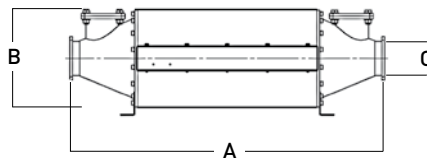
OPERATION PRINCIPLE

PROAIR™'s precious metal coated wall-flow filter collects particulate matter. Once the exhaust gas reaches an adequate level for regeneration, the collected PM is oxidized. PROAIR™ is available as 1- or 2-module systems. A 2-module system also includes a DOC (diesel oxidation catalyst) pre-catalyst that ensures filter cleaning in low exhaust gas temperatures.

BENEFITS

- High purification performance >90%
- No additives or additional devices needed
- Easy to install without any modifications needed to machine or filter
- Ready-made I and L type installation options
- Modular design ensures operation under demanding circumstances
- Several filter element options available for different requirements
- PROCARE Data Logger continuously checks the back pressure for proper regeneration performance and informs the driver when maintenance is needed.

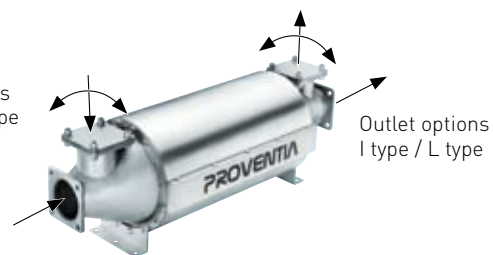
SPECIFICATIONS



Sizing	Engine litres	Engine output kW	Length 1-module system A	Length 2-module system A	Diameter B	Inlet & outlet pipe sizes C
S (Small)	3-6l	75-130kW	680mm	858mm	245.50mm	88.9mm
M (Medium)	5-8l	120-190kW	760mm	938mm	293.50mm	101.6mm
L (Large)	7-10l	170-250kW	810mm	985mm	331.50mm	114.3mm
XL (Extra Large)	9-15l	200-400kW	842mm	1020mm	369.50mm	139.7mm
XXL (Extra Extra Large)	>14l	> 350kW	1034mm	1252mm	445.50mm	168.3mm

Isolated double wall structure keeps the exhaust temperatures at the optimal level for efficient purification. Adjustable ends with I and L type inlet and outlet options ensure easy installation.

Inlet options I type / L type



Outlet options I type / L type

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