Air Intake Solutions

We stand for productivity

Our high-performance air intake solutions for heavy-duty engines will keep you operating longer between filter replacements and, most importantly, will protect your equipment.

Our air intake systems are engineered to protect your engine, extend service intervals and lower maintenance costs.

Mammoth offers a range of air filtration solutions, from clamps, hoses, air filters, and pre-cleaners to full air intake assemblies.

Protect people & the environment

Longer running, lasting and better performing engines

Customised solutions to suit any machine

Remove and replace to suit existing brackets

Air Intake Features

- Single and dual-outlet assemblies
- Internal and external polyurethane paint coating for anti-corrosion
- Air filter service caps designed to suit cartridge filters with a radial seal
- Standard perforated panels or spinner adaptor to suit varied conditions
- 3D labelled schematics for easy part recognition

Air Intake Benefits

- Removes up to 96% of airborne contaminants
- Delivers engine protection (keeps engines running, lasting longer and performing better)
- Easy and convenient bolt-on replacement parts that fit existing brackets
- Refurbished and replacement parts available
- Custom design solutions
- Quality Australian-made parts

Why use Mammoth?

Mammoth is a world-leading equipment and power system solution provider. We offer a broad range of innovative, bespoke, and universal solutions to the mining, transport, rail, industrial, agriculture and marine industries globally.

Our success is based on delivering innovative, integrated solutions, our ability to build strong relationships, and most importantly, strengthen our customers' businesses.

To learn more about how our custom exhaust systems can benefit your operation, **Contact our team today!**

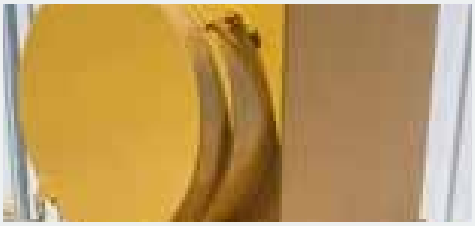
Air Intake *- Case Studies*

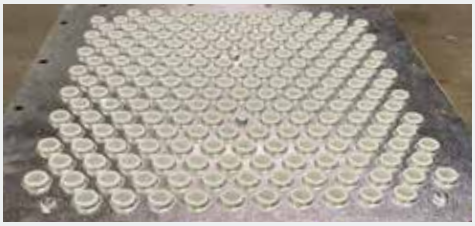
Case Study 1: Corrosion Resistant - Longer lasting air cleaners

Overview

- Mammoth air cleaners are made from galvanized steel (over against standard mild steel)
- Mammoth air cleaners are highly resistant to sun, wind and precipitation
- A high-gloss finish improves self-cleaning - dirt and dust wash off during rain or water blasting.
- Prevents corrosion from moisture and dust ingress
- Can be internally and externally PU coated for further corrosion resistance
- Widely supplied to mine sites globally and OEM dealers

Standard air cleaner





Mammoth air cleaner

Summary:

A high salinity mine site (20x above standard levels) chose Mammoth Air Cleaners with galvanised steel and PU coating to increase their service life from 4,000 to 14,000 hours.

Mammoth Air Cleaners are proven to last 10,000 hours longer than standard.

Case Study 2: 789C/D Air Box Upgrade

Overview

- Mammoth-produced air intake solutions are custom-built for mobile and fixed plant equipment and are purpose-built to improve operational efficiency.
- Our custom built solutions have been up-engineered from the OEM standard to better protect your engine and feature extended filter life.
- Proven performance in the harshest conditions, Mammoth Air Intake Solutions feature greater flow capacity preventing overheating and safeguarding performance.

789C Air Box Specifications		
Upper Housing Volume	0.12287	m^3
Pre-cleaner Section Volume	0.10044	m^3
Primary/Secondary (Safety) Filter Volume	0.00021	m^3

789D Air Box Specifications			Gain
Upper Housing Volume	0.17982	m^3	46.3%
Pre-cleaner Section Volume	0.13258	m^3	32%
Primary/Secondary (Safety) Filter Volume	0.000238	m^3	14%

Summary:

CAT 789C Series truck uses a smaller air box than the newer 789Ds Mammoth developed an air box upgrade solution to utilise the larger 789D size air boxes with the 789C trucks. Extending service and replacement intervals.

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