



Enginaire

Clean Air System

**Construction & Mining Equipment, Marine Power Generators
Pumps, Compressors, Forestry & Agriculture**

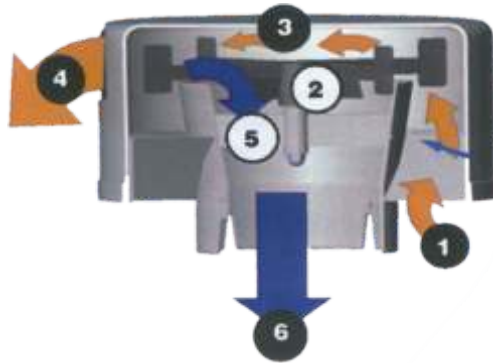


The objective of ENGINAIRE air intake filtration system is to eliminate solid particles from reaching the engine while still allowing sufficient air for efficient combustion of the fuel. A naturally aspirated engine can use over 15,000 gallons of clean air for every gallon of fuel burned, while a turbocharged engine needs 20-24% more !

Contaminated air will reduce combustion efficiency and, in turn, increase lube oil contamination resulting in increased wear to the valves, rings, piston, cylinders, cylinder walls and crank shaft bearings

Inefficient combustion of the fuel will also increase the level of emission released and increase the fuel consumed.

Engine operating costs will increase-and engine life will decrease - in direct proportion to the amount of dirt allowed to get past the air filtration system. A teaspoon of dirt is enough to cause engine wear...a handful can destroy the engine!



How they work

The vacuum created by the engine powers the Enginaire pre-cleaner. Incoming air is drawn through the angled louver plates (1) which direct the intake air to turn the rotor (2) which is mounted on dual precision ground heavy duty bearings. The centrifugal force caused by the spinning motion of the rotor separates the contaminants from the air, throwing them to the inner perimeter of the cover (3) and expelling them out through the discharge port (4). The clean air is drawn into the plenum chamber (5) and then into the engine (6)

- **Reduce operating cost • Increase filter life**
- **Improve fuel efficiency • Reduce emissions • Increase engine life**

Air flow range 3 cfm to 2000 cfm (can be manifolded for greater CFM requirements).

Self cleaning ejector system eliminates up to 97% of air element contaminant extending air element life up to 10 times - or more !

Applications: all vertical and horizontally mounted air cleaners used for on / off highway applications.

Enginaire pre-cleaners are designed to remove most of the contaminants from the air that feeds the engine. As well as extending filter life - turbochargers, blowers, cylinder liners, piston rings and lubricating oil are protected from the extreme wear caused by contaminant reaching the engine.

Remember

Poor air filtration means more dirt in the oil - dirty oil causes wear to engine components - wear to engine components equal repair costs.

Enginaire clean air system reduce operating costs !

PATENTED & PROVEN DESIGN. Used by many reputed OEM's. No match to ENGINAIRE air pre-cleaners. Contact us for more details.

South East Asian Representative
 **Ecotech™ Environmental & Petromarine Engineering Pvt. Ltd.,**
Subhash Chandrabose Road, Jawahar Nagar, Opposite Abad Silver Crest Building,
P.O. Box 2070, Kadavanthra, Cochin 682 020, Kerala, India
Ph: 2203609, 3090797, Mob: 94470 97709, 93491 37794, Fax: 2206509.
www.ecotecindia.com | e-mail:ecotec@satyam.net.in