



## Fuel Pumps, Breathers

### The least understood filter

Breathers are a device installed on vent pipes to protect machinery, equipment and fuel storage tanks from ingress of contaminants. Filter Technology's range of breathers contain replaceable elements within a permanent housing. Good maintenance practices require breather elements to be replaced regularly. The use of efficient breathers is vital to your equipment's reliability. Often it is an oversight in maintenance practices. Breathers are often considered a mystery, "either the equipment has one or it doesn't" is often the comment. Further, understanding the breather's ability to capture contaminants is least understood.



Breathers have the ability to stop airborne contaminants from entering equipment. Airborne contaminants, typically silica (dirt), are considered extremely abrasive. A one-way valve connected to the breather will resist moisture and humidity entering the system.

Fuel storage facilities, whether they are underground or above ground installations have a breather/vent pipe. Often this is exposed to the elements without a breather filter fitted. Water and contaminants are able to enter the system leading to algae growth and dirty fuel. Fitting a Filter Technology Australia breather would assist in protecting the fuel storage facility.

Research has demonstrated that 80% of hydraulic failures are a result of contamination ingress. This is due to dirty oil and/or inefficient breathers. Filtering of fuel and oil is important to equipment longevity. By including breathers, the filter elements in fuel or oil filtration systems could last longer.

Filter Technology's range of breather systems filter contaminants down to 2 microns. They have replaceable elements and are suited to most applications. Filter Technology will custom design a system to suit your requirements.



SB1

FMBA

FM1B

*FMBA*

- typically used for truck and tractor diff and gearbox breathers

*FM1B*

- used in small hydraulic systems

*SB1*

- used in fuel storage and large injection moulding machines.

Note: on bulk fuel storage tanks a one-way check valve is fitted to release air when the tank is being filled.