

D-AB-2 Desiccant Filter Breather

Introduction

Schroeder Industries D-AB-2 desiccant filter breather is created to provide the best value in the market. Its low cost, unobtrusive size, long operating life, and broad range of applications make it the market leader in value. It simply out performs the competition, and at a lower price. In addition, it is the first of its kind to include environmentally approved disposable silica gel.

How the D-AB-2 Works

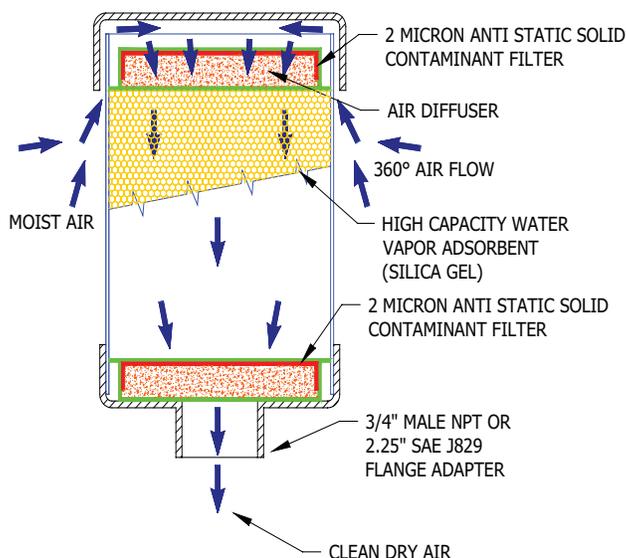
When the fluid level in the reservoir changes, air is drawn in through openings under the breather's top cap.

Air passes through two separate filtration systems in the breather:

- The silica gel chamber adsorbs and traps moisture. Silica gel is chemically inert, non-toxic, non-deliquescent and non corrosive.
- The anti-static 2-micron filter reduces the amount of abrasive and damaging solid particle contaminants, including salts and acids.

The D-AB-2 stops potential contaminants in their tracks. Air entering the system is clean and dry.

As moisture is adsorbed, the silica gel turns from yellow to a greenish-blue. This indicates that the breather should be replaced. Expelled air partially regenerates the silica gel and back-flushes the particulate filter, which helps add to the service life of the breather.



Application

Air in any setting contains a number of solid particles and water vapor, even more so in industrial environments. Particle contaminants work as abrasives, speeding up component wear. This results in equipment failures and higher maintenance costs.

Water vapor can be just as harmful. As the temperature of hydraulic fluid changes, humid air forms condensation inside the reservoir. This moisture decreases the fluid's stability and therefore reduces its service life. This moisture can also result in acid erosion, oxidation and rust; major causes of system wear and failure.

Sensitive hydraulic components are very susceptible to these contaminants. Expensive valves, seals, and other system parts require clean and dry fluid to function at peak efficiency and to prevent excessive maintenance costs.

Yellow Gel = Active

Greenish Blue Gel = Replace

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