



## Filtration/PAM Solutions for Primary Metals

Solutions Focus

### Maximize Your Uptime with Eaton

Hydraulic systems provide reliable and repeatable actuation systems for Primary Metals. When hydraulic system problems occur, 80% of the time they are related to inadequate contamination control practices. Eaton has more than a 75-year history of dedication to helping engineers develop, operate and maintain reliable, high quality power and motion control systems.



#### Filtration

Eaton's Vickers™ filters handle flows to 450 US gpm (1700 l/min) and pressures to 6090 psi (420 bar), bypass valves, pressure drop indicators and media grades facilitate filter installation and achievement at desired system cleanliness levels. Reservoir vent filters feature a visual indicator and corrosion-resistant housing. In addition to particle control, these filters also feature water/moisture control, needed in harsh moist conditions.

#### Protect Your System with Vickers ProActive Maintenance Products and Services

Eaton is committed to the practice of systemic contamination control and superior performance of our products.

Eaton will extend by three years, the standard warranty on all Vickers products used in a system that is protected by Vickers filters applied consistently with the principles of the PAM program. Contact your Eaton representative for more information, or visit us at [www.hydraulics.eaton.com](http://www.hydraulics.eaton.com).

#### Products

- Filters
- Portable Particle Counters
- Breathers
- Off-line Filter Units
- Clean Carts
- Water Removal Products

#### Custom Services

- Laboratory Oil Analysis
- Set Cleanliness Standards
- Recommend System Upgrades
- Fluid Sampling
- Inventory Consolidation
- Data Management



### Dirt-gate™ Reservoir Breather (P/N BR210)

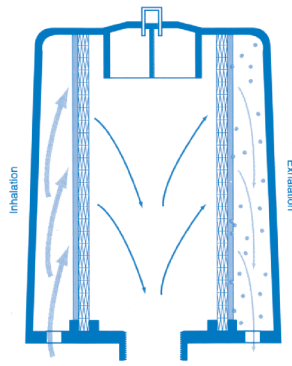
Filter out airborne particles before they contaminate the oil.

Hydraulic reservoirs “breathe” air in and out as the oil level rises and falls. This air contains particles. Particles “sand blast” your machinery. Protect your hydraulic system with a dirt-gate filter.

### H2O-gate Reservoir Breather (P/N BR110)

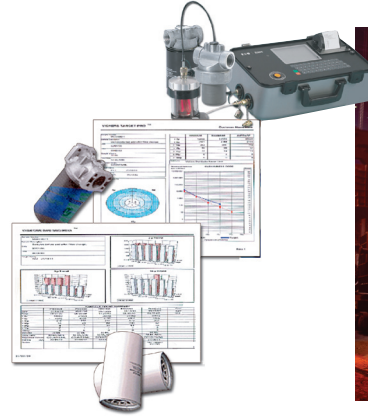
Filter out particles and moisture before they contaminate the oil.

Hydraulic reservoirs “breathe” air in and out as the oil level rises and falls. This air contains particles and water. Particles “sand blast” your machinery and water attacks your oil and components. The H2O-gate reservoir breather filters out particles and moisture. Protect your hydraulic system with this H2O-gate reservoir breather!



### Performs as a Gate

During the “inhalation” cycle, the H2O-gate proprietary media blocks the water vapor from entering the reservoir. During the “exhalation” cycle, the media allows the moisture in the reservoir air to exit. The moisture is carried off the media by the exiting air, restoring the media’s water barrier capacity, and the moisture barrier mechanism is not affected by the amount of exposure to moisture. The reservoir air is maintained at a low relative humidity, and more importantly, at a lower dew point temperature than the ambient temperature.



### Fluid Analysis

Fluid is the lifeblood of every hydraulic power system. To keep yours running efficiently and effectively, you need to know what’s in it. What you don’t know can hurt you. The Eaton Fluid Analysis Service analyzes hydraulic fluid in much the same way a medical lab tests a blood sample. Just as a blood test helps a doctor diagnose health problems, a sample of hydraulic fluid can help us pinpoint sources of contamination and determine whether or not your system uses adequate filtration.

We can help you reduce catastrophic equipment failures, maintain optimum component performance, and identify any substandard maintenance practices. Your bottom-line benefit is increased productivity.



### Clear Benefits

We offer testing designed to tell you the most about your hydraulic fluid. We use sophisticated computer programs and laboratory diagnostic equipment such as an Energy Dispersive X-ray Fluorescence and an inductively coupled Plasma Spectrophotometer.

After we use this advanced equipment to provide the most detailed possible analysis of your hydraulic fluid, we create reports that are easy to read and understand. By taking the mystery out of fluid analysis, we provide a service that clearly explains the benefits of clean fluid.

[http://hydraulics.eaton.com/services/fluid\\_analysis/](http://hydraulics.eaton.com/services/fluid_analysis/)

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