

**PRODUCT INFORMATION****ASHCROFT PRESSURE INSTRUMENT  
ISOLATION RINGS FOR PROCESS CONTROL**

Ashcroft pressure instrument isolation rings can be used to protect the differential pressure devices on leaf filters and centrifugal pumps.

In a typical application, instruments with isolation rings were used to protect the differential pressure device on a 7 foot pressure leaf filter coated with diatomaceous earth (DE). The leaf filter is used to remove contaminants from a copper sulfate solution. The instrument with isolation rings serve as an indicator to trigger maintenance on the filter. Without the instruments with isolation ring, there would be no way of knowing when its time to tear down the filter for cleaning, which could result in DE break-off or channeling, causing contamination downstream.

Isolation rings are also used on centrifugal pumps to reliably measure pressure for suction and discharge.

They can be used to indicate the inlet pressure to the pump. Secondly, on the discharge, they are used to control a throttle valve; by sensing the pressure they control the flow.

Ashcroft isolation rings have potential in any process line that has liquid pumped through it.