

## Econometer/Economizer

for Ultra-Filter<sup>™</sup> DF 0035-1100

**Econometer:** Basic differential pressure monitor indicating the need to change the filter element.

**Economizer:** Microprocessor monitoring and control indicating the most economical time to change the filter element.

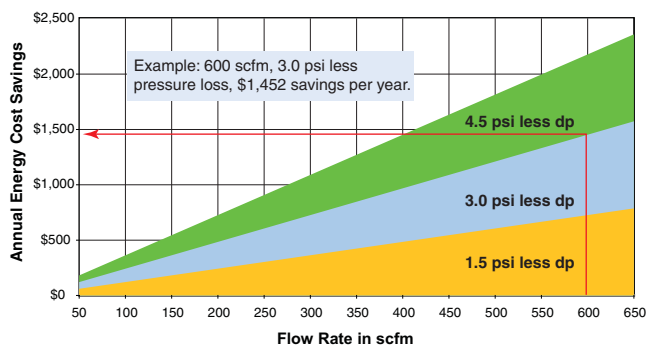
### Donaldson Ultra-Filter<sup>™</sup> DF filters

are ideal for filtration of compressed air and other gases in a wide range of applications. The "total filter" design concept behind these filters incorporates the following characteristics:

- High performance
- High efficiency
- Compact size
- Ease of use
- Flexibility
- Safety

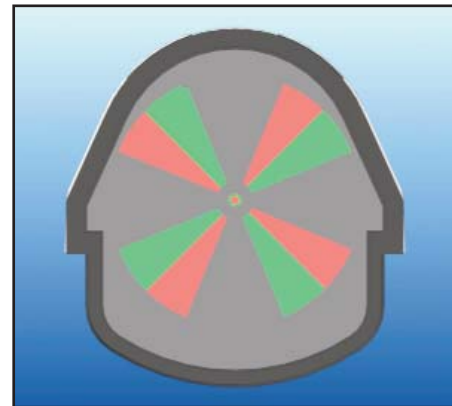
Additional energy cost savings can be achieved with the Ultra-Filter through the use of our Economizer microprocessor-controlled differential pressure gauge. While continuously monitoring differential pressure, the integrated microprocessor calculates the cost of element change-out relative increasing energy costs from rising pressure drop, and signals the most economic point at which to replace the filter element.

Energy Cost Savings Through Reduction of Differential Pressure

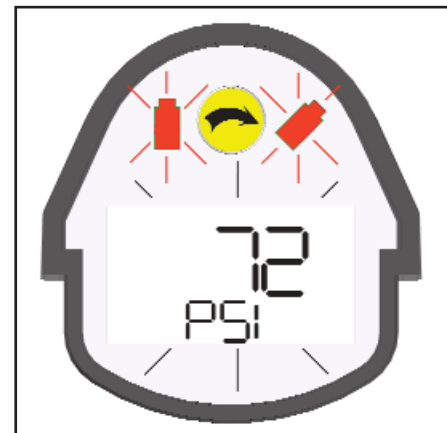


### Savings by using the Economizer

Operating signals can be remotely-monitored and, alternatively, the differential pressure signal can be transmitted via a standard analog interface (4-20 mA).



Econometer



Economizer



Econometer installation

# Econometer/Economizer for Ultra-Filter™ DF

## Features

## Benefits

Easy installation: Econometer and Economizer gauges slide easily into filter head without tools	Easy to install; Easy to service
Can be installed facing either side of filter, or easily rotated, without need for re-calibration	Flexible installation in accordance with flow direction through filter housing
Operation and adjustment of Economizer done with single button	User-friendly operation
Numerous programmable parameters through Economizer software menu	Customize input data to local conditions: energy cost, element cost, etc.
Economizer uses standard batteries	Replacement batteries readily available and inexpensive
Analog interface and alarm contact available on Economizer for remote monitoring	Monitor Economizer function and element changeout signals remotely—no need to inspect each filter at its point of installation

## Specifications

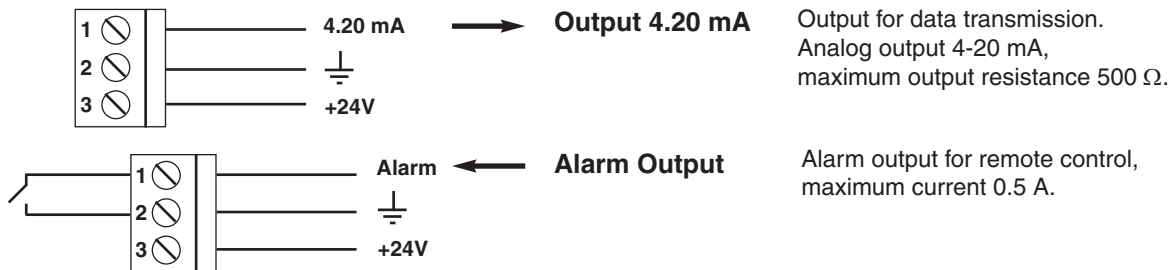
### Econometer/Economizer

<b>Econometer</b>	Mechanical differential pressure indicator
<b>Economizer</b>	Microprocessor - controlled differential pressure indicator for calculation of most economical time to change filter
<b>Indication Range of Differential Pressure</b>	0 - 7.3 psi
<b>Operating Temperature</b>	+14°F/ +149°F

### Economizer

<b>Display</b>	LED display
<b>Power Supply</b>	2x AAA batteries, 24 VDC option with adapter
<b>Outlet 4-20mA</b>	Possibility for long-distance data transmission
<b>Alarm Contact</b>	Possibility of remotely-monitored time for necessary filter exchange

## Interfaces-Economizer



The selection of the outputs (alarm contact or output 4-20 mA) is done via software by using the mode button and the display of the Economizer.



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