



# ECONOMETER/ ECONOMIZER

FOR DF SERIES HOUSINGS

Process Filtration

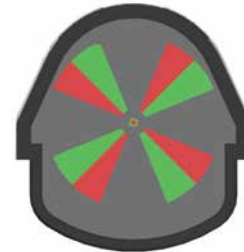
**Econometer:** Basic differential pressure monitor indicating the need to change the filter element.

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

Donaldson® 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
- Ease of use
- High efficiency
- Flexibility
- Compact size
- Safety

You will find that greater energy savings are achieved through timely filter element replacement. Element change out is determined by the Economizer that continuously measures the differential pressure. An integrated microprocessor evaluates the measured data and compares the higher energy costs caused by pressure loss with the costs of a new filter element.



ECONOMETER



ECONOMIZER



ECONOMIZER INSTALLATION

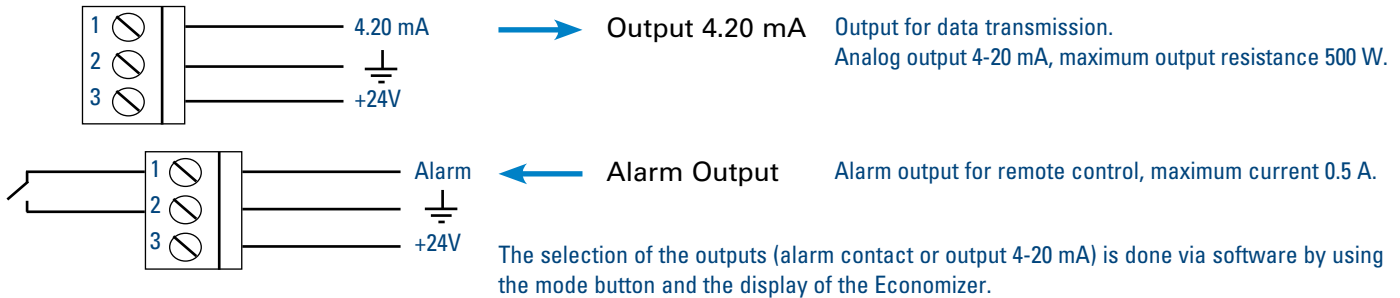
FEATURES	BENEFITS
Easy installation: Econometer and Economizer gauges slide easily into filter head without tools	Easy to install; easy to service
Can be installed facing either side of filter, or easily rotated, without need for re-calibration	Flexible installation in accordance with flow direction 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	Element changeout signals remotely—no need to inspect each filter at its point of installation

## SPECIFICATIONS

ECONOMETER/ECONOMIZER	
Econometer	Mechanical differential pressure indicator
Economizer	Microprocessor - controlled differential pressure indicator for calculation of most economical time to change filter
Indication range of differential pressure	0 - 0.504 bar (0 - 7.3 psi)
Operating temperature	-10° C / +65° C (+14° F / +149° F)

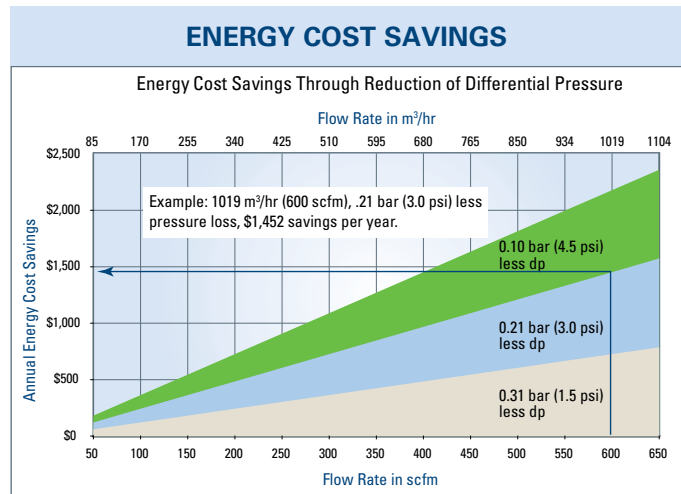
ECONOMIZER	
Display	LED display
Power supply	2x AAA batteries, 24 VDC option with adapter
Outlet 4-20mA	Possibility for long-distance data transmission
Alarm contact	Possibility of remotely-monitored time for necessary filter exchange

### ECONOMIZER INTERFACES



### ECONOMIZER SAVINGS

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



**Important Notice:** Many factors beyond the control of Donaldson can affect the use and performance of Donaldson products in a particular application, including the conditions under which the product is used. Since these factors are uniquely within the user's knowledge and control, it is essential the user evaluate the products to determine whether the product is fit for the particular purpose and suitable for the user's application. All products, specifications, availability and data are subject to change without notice, and may vary by region or country.



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