



Donaldson.  
FILTRATION SOLUTIONS

# PRODUCT PROFILE

## STi TIMER RANGE

For dust, fume and mist collectors

### Efficiency Enhancing Features:

- Differential pressure sensing for on demand cleaning
- Auto/manual modes
- Tube cleaning system
- Maintenance/testing single valve pulsing
- Electric fault detection on each solenoid
- Adjustable pressure levels for optimal operation with fast cleaning mode available
- Sequential or arbitrary pulsing mode
- High pressure level alarm with output relay
- Hour and pulse counters for maintenance alters
- Analog and/or digital output available

Donaldson is pleased to introduce a range of sequential timers that provide user-friendly and reliable reverse jet pulse cleaning control on all types of cartridge and baghouse collectors.

Where most dust collectors rely on continuous pulse cleaning to maintain plant efficiency, Donaldson's STi timer range provides inbuilt capabilities to accurately measure the performance of a dust collection system. Based on those measurements, STi timers manage the number of pulse cleaning cycles required to optimise baghouse or cartridge collector productivity.



By pulse cleaning only when needed, less dust passes through a dust collector's filters resulting in reduced emissions. The range of user definable alarms built into the STi range ensures contaminants escaping into the environment are significantly reduced or eliminated. STi timers save on compressed air which means a reduction in energy costs. Extended filter life will also be achieved to reduced maintenance and change-out costs.

The STi range offers a compact, modular design and can be retro-fitted to an existing system or supplied as a component within a new dust collection system.

### Benefits:

STi timers deliver a broad range of operational benefits including:

- Significant reductions in plant maintenance costs
- Extended filter life of up to 30%
- Reduction in compressed air usage of up to 50%
- Reductions in energy costs of 40 to 70%
- Reductions in CO<sub>2</sub> emissions of 30 to 50%
- Increased plant 'up time' with fewer cleaning cycles interrupting operations

### Range:

STiTimers are available in three configurations:

1. STiTimer Basic
2. STiTimer ODC (On Demand Cleaning)
3. STiTimer ODC -TC (On Demand Cleaning + Tube Cleaning)

Please refer to STiTimer and STi ODC-TC Timer Manuals for further operation and service details.

Donaldson Australasia Pty Ltd  
PO Box 153, Wyong NSW 2259

Free call: 1800 345 837  
Ph: +61 2 4350 2000  
Fax: +61 2 4351 2036

Donaldson New Zealand  
PO Box 14-770, Panmure 1741 Auckland

Ph: +64 9 579 2790  
Fax: +64 9 579 0322

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