



IPC Controller Range



Everyone knows that the heart of every dust and fume collector is the filtration media contained within it. What is more commonly overlooked though is the controller whose simple task it is to ensure that the media is operated and maintained in an efficient and effective manner. All too often reduced media life and even premature failure can be directly attributed to the inadequate or unreliable control of the collector's cleaning cycle.

To ensure simple, efficient and reliable operation of the cleaning systems across the range of collectors, Torit DCE has developed a range of **NEW Integrated Pulse Controllers**. The range of IPC controllers consists of three separate units each having unique features to ensure all Torit DCE collectors perform to 100% of their intended capacity regardless of the arduous nature of applications encountered.

Quality, functionality and reliability are all keys to the development of the IPC range of controllers delivering extended media life, reducing operating costs and improving operational safety.



Standard IPC Controller

The standard IPC controller is fully automatic and ensures that the diaphragm valves of the dust collector it serves are operated in sequence, at regular intervals, to facilitate the efficient cleaning of the filter elements.

All IPC Controllers offer the following standard features...

- ✓ Microprocessor-based logic ensuring total reliability and EMC compliance
- ✓ IP66 Enclosure
- ✓ The controller offers the facility to interrupt and restart the cleaning cycle at any point. This is particularly useful on venting applications where the actual filter operates over a short period of time where a complete cleaning cycle may not take place (e.g. pneumatic conveying of small quantities of product)
- ✓ -10°C to +65°C Temperature range (Heater option for lower temperature operation)
- ✓ Solenoid valves with 6mm push fit pilot connection
- ✓ The off-line cleaning function allows the cleaning cycle to continue for a period of time after the fan has been switched off. For the IPC controller, the off-line cleaning will operate for 7 complete cycles. This function allows for the maximum amount of dust cake to be removed from the media prior to any shut down of the dust collector. This feature is particularly beneficial where the dusts encountered are of a hygroscopic nature and may crust or cake on the media surface whilst idle, increasing mechanical fatigue upon start up and thus reducing the media life

Benefits of IPC Controllers

Reduced running costs

Extended life of filter elements

Dust and water resistant

Maintained collection efficiency

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IPC (ΔP) Controller

The IPC (ΔP) controller ensures effective and economical use of your dust collector's reverse jet cleaning system. Under normal operating conditions a dust coating on the filtration medium enhances the filter's overall efficiency but this 'dust cake' will become detrimental if allowed to build up to such an extent that it becomes a barrier to the air flow.



The IPC (ΔP) Controller offers the following additional features...

- ✓ The IPC (ΔP) monitors this build up of dust by constantly measuring the differential pressure (known as the ΔP) across the filtration medium and dust cake. At predetermined high and low pressure settings the controller automatically initiates or ceases the cleaning cycle saving valuable compressed air whilst maintaining optimum filter performance
- ✓ High Pressure / Fault Alarm with large visible warning light
- ✓ In Use Relay provides a volt free changeover contact which indicates whether the cleaning system is active or inactive
- ✓ Visual LED readout of the media's differential pressure
- ✓ Alarm Relay provides a volt free changeover contact to indicate an alarm condition

IPC (ΔP) M Controller

The IPC (ΔP) M controller includes all the functionality of the IPC (ΔP) with the addition of motor starter control, motor running light and fault illumination. The starter is housed in a separate enclosure allowing flexibility of mounting options either on the dust collector itself, remotely mounted on an adjacent wall or housed in a control room away from the process area.



The IPC (ΔP) M Controller also offers...

- ✓ Motor Start / Stop
- ✓ Motor running & tripped lights
- ✓ Alarm lights and relays activate on motor fault
- ✓ Possible operation of up to 3 motors in sequence

Compatibility

The NEW IPC range is fully compatible with all Torit DCE reverse jet cleaned cartridge fabric, spun bonded polyester and sintered polyethylene collectors.

Company Profile

Torit DCE is world-renowned for the quality of its products and application expertise. It also offers the widest choice of dust, fume and oil mist control products, solutions and services available. These are supported worldwide with a dedicated network of wholly owned distributors and authorised agents.

With 80 years' experience, Torit DCE provides the strength to deliver proven solutions to numerous environmental control problems.

Torit DCE designs, manufactures and installs a complete range of collection equipment. These products use a wide variety of media including: cartridge technology, spun-bonded polyester modules, fabric bags and rigid sintered elements. Torit DCE also designs and installs complete systems based on its leading range of products.

After Market Service

Torit DCE products are supported by a fully inclusive after sales and technical support service package covering:

*Technical support group
Complete turnkey installations
Installation
Commissioning
COSHH testing & inspection scheme
Service and maintenance scheme
Spare parts*

Whether your problem's...

Dust...



Fume...

or Oil Mist...



Torit DCE is the answer



Donaldson Dust Collection Group

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