

# Donaldson Torit Dce Ipc Manual


Installation, Operation and Maintenance Manual  
IPC and IPC (AP) Controllers



## INSTALLATION


### IPC (AP) Controller connections and set-up


Remove the lid of the controller by unscrewing the six retaining screws. Remove retainer and fit up the hinged top PCB assembly. Connect the incoming supply to the terminal block (see Fig. 3 and Table 1).


 The mains cables should not exert any undue stress on the terminal block. The use of multi-strand conductors is advised. Ensure that socket is fully engaged into the plug on the PCB.

Ensure that the switch, on the base PCB, for the pulse duration and the interval between pulses (see Fig. 4) is set to the 'P' position. (For controllers fitted with optional heater, set switch to '0' position).

In order to utilise the AP cleaning option of the IPC (AP) Controller, the cleanside (coloured blue and labelled P1) and dirtyside (labelled P2) tapping points on the controller (see Fig. 5), need to be fitted to the cleanside and dirtyside tappings on the casing of the collector using the tubing supplied.

 For Delmatic Insertable and Sintamic Insertable filters, only the cleanside tapping point is located on the casing. The customer will need to make provision for fitting of the dirtyside tapping point to the equipment (typically on the silo or mounting flange).

 Incorrect connections of the cleanside and dirtyside tapping points will be indicated by flashing LEDs on the AP scale of the controller when the collector is operating.

 To avoid ingress of dust into the controller pressure transducer, it is recommended that a filter is fitted between the dirtyside of the collector and the controller connection. For collectors handling explosive dusts this filter must be used.

Close the hinged top PCB back into position and secure. Switch on the mains supply. The green power-on LED will illuminate.

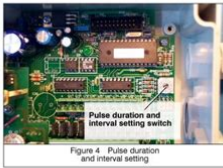


Figure 4 Pulse duration and interval setting

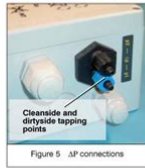


Figure 5 AP connections

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## Book Descriptions:

# Donaldson Torit Dce Ipc Manual

Freedom from patent restrictions must not be assumed. 2 Installation, Operation and Maintenance Manual IPC and IPC Controllers Indicates information on the efficient operation of the collector. Indicates important information directed towards preventing damage. Indicates an important warning, designed to prevent injury or extensive damage. Due to the varied nature of site installations this cannot be provided by Donaldson but instead is the responsibility of the customer. All electrical work should be carried out by competent personnel. Always isolate power before opening the controller. Each dust collector may be supplied with either an IPC or an IPC Controller, which is used to operate the reverse jet cleaning. Dalamatric Insertable Attach the controller and make connections in accordance with the installation instructions in the dust collector product manual, Publication 1730. Dalamatric Cased The controller is supplied fitted to the manifold assembly. For multibank collectors, connect controller to the solenoid valve enclosures in accordance with the installation instructions in the dust collector product manual, Publication 1731. Refer also to Multibank Collectors IPC Controller Parallellinked system in the Operation section. Modular Baghouse MBT Attach the controller to the support structure of the dust collector using the brackets supplied. Connect the controller to the solenoid valve enclosures as described under Multibank Collectors IPC Controller Parallellinked system in the Operation section. Sintamatic Insertable Open the plastic bag, supplied with the filter, containing fixing bolts, tubing and controller mounting brackets. Fix the brackets to the controller using 4 x M4 fixing bolts and nuts see Fig. 1. Attach the controller to the preferred side of the filter body using 4 x M8 fixing bolts and nuts. <http://www.e-skala.pl/userfiles/845gvsr-manual.xml>

- **donaldson torit dce ipc manual, donaldson torit dce ipc controller manual, donaldson torit dce ipc integrated pulse controller manual, donaldson torit dce ipc manual, donaldson torit dce ipc manual pdf, donaldson torit dce ipc manual download, donaldson torit dce ipc manual 2017, donaldson torit dce ipc manuals.**

Cut tubes to length and push fit to the diaphragm valves under the compressed air manifold, in the order according to the installation instructions in the dust collector product manual, Publication 1726. Pass the tubes through the holes in the side of the filter body, and push fit to the corresponding solenoid pilot valves projecting from the controller valves are numbered in sequence from the left, see Fig. 2 for typical arrangement. Ensure each tube is firmly connected to the valve.

INSTALLATION 5 Installation, Operation and Maintenance Manual IPC and IPC Controllers Unicell Unit On C1030 hopper type collectors, C1030 venting type collectors and C1030 venting type collectors with dust container, the controller is supplied fully fitted to the base section. On C4090 collectors the controller is supplied fully fitted to the controls section. On C1030 standard collectors with dust container or rotary valve and C1030 venting type collectors with rotary valve, the controller is supplied fitted to the base section. Connect the tubing in accordance with the installation instructions in the dust collector product manual, Publication 2711. DCE 2000 Series The controller is supplied fully fitted to the controls section of the collector. DCE HV500 Series The controller is supplied fully fitted below the compressed air manifold of the collector. Siloair The controller is supplied fully fitted to the filter body, below the compressed air manifold. In its basic version, a maximum of 6 pilot valves can be connected to the device. By plugging in an extension card, 6 additional valve outputs can be added. Additionally, the C100 valve outputs can be extended by using VCU modules or Valve Control Units. VCU modules with 6 or 12 outputs are available and are connected to the Bus interface of the C100 controller. Once connected to the power supply, the

C100 controller operates automatically and independently. <http://gcituae.com/bf/userfiles/845gv-manual.xml>

The Donaldson C200 series are solidstate products providing pressure drop measurement, digital display, and pressure drop control with an alarm function. Designed to provide accurate and dependable control of a pulsecleaning timer, starting and stopping the cleaning process at the limits you choose. Please contact our Donaldson trained personnel for optimal alignment of the cleaning system with your specific application. Once connected to the power supply, the C200 controller operates automatically and independently. The results are energy savings, longer filter life, and optimal collector performance. Donaldson Torit products reliability and innovative technology can significantly reduce emissions, maintenance costs, and energy costs in manufacturing facilities. By continuing to use our website or by clicking accept, you consent to our use of cookies. You can manage your browser cookie settings at any time. Discover everything Scribd has to offer, including books and audiobooks from major publishers. Start Free Trial Cancel anytime. Report this Document Download Now Save Save Donaldson UK Manual TDS.pdf For Later 0 ratings 0% found this document useful 0 votes 693 views 19 pages Donaldson UK Manual TDS.pdf Uploaded by Patricio Tamayo Description Donalson Full description Save Save Donaldson UK Manual TDS.pdf For Later 0% 0% found this document useful, Mark this document as useful 0% 0% found this document not useful, Mark this document as not useful Embed Share Print Download Now Jump to Page You are on page 1 of 19 Search inside document Browse Books Site Directory Site Language English Change Language English Change Language. The Sponsored Listings displayed above are served automatically by a third party. Neither the service provider nor the domain owner maintain any relationship with the advertisers. In case of trademark issues please contact the domain owner directly contact information can be found in whois. Maintenance Manual. PowerCore Dust Collectors.

Series CPV. Donaldson reserve the right to alter design without notice. Installation, Operation and Maintenance Manual Indicates important information directed towards preventing damage. Indicates an important warning, designed to prevent injury or extensive damage. Check that all collection equipment is These details correspond to the serial nameplate Installation. 8. General guidance to lifting. 8. Mounting over aperture. 9. Compressed air requirements. 9. Controller. 10. Explosion protection. 10. Installation check list. 10. Commissioning. 11. Commissioning check list. 11. Startup sequence. 11. Shutdown sequence. 12. Operation. 13. Principle of operation. 13. Maintenance. 14. Routine inspection. 14. Servicing schedule. 15. Filter pack replacement. 17. Specification. 19. Spare Parts. 21. Declaration of Conformity. 23. Table 1. Fault location. 18. Table 2. Compressed air manifold design details. 19. Table 3. Compressed air requirements. 20 Regular maintenance, as set out in this manual, Third party supplied You should ensure any persons carrying out work on the supplied G Maintenance on any component identified as a potential ignition G Lifting and erection. G Electrical installation, inspection and maintenance work. G Pneumatic installation, inspection and maintenance work. G Any access to internal classified potentially explosive atmospheres You should use the dust collector in full accordance with the conditions Failure to do so may compromise product reliability, warranty and safety. The Scope of Delivery is an integral part of the manual. Other items of equipment, not supplied under the Scope of Delivery Any modification carried out on the as supplied equipment may reduce Where necessary for safety, the dust collector is fitted with fixed guards.

<http://www.statcardsports.com/node/10496>

Removal of these guards and any subsequent work should only be Alternative gases should be assessed before use Where the equipment supplied is suitable for working within a potentially Care should be taken to ensure that any potentially explosive Where the dust being processed can ignite due to exothermic reaction, The risk of ignition Precautions, as set out in the Scope of Delivery, are

used to minimiseThe possibility of other ignition sources being introduced into theWhere applicable, equipment connected to the dust collector forIt may be necessary to provide a facility to shut down the equipment inCompressed airCompressedHingedDiaphragmFilter packs. LiftingCleaned air outlet. Mounting flange. Figure 1 PowerCore dust collector. Model CPV3 illustratedGeneral guidance to lifting. Refer also to Figure 2. The collector should be lifted using the lifting eyebolts provided. During all lifting operations a crane or fork lift with an adequate SWLSlings with an adequate SWL safe working load must be used. ReferUse clevis connectors, not hooks, on lifting slings. Use spreader bar to prevent damage to collector casing. Take centre of gravity into consideration when lifting collector. Angle not to exceed. Figure 2. Fourpoint lifting arrangement CPV4 illustratedInstallation, Operation and Maintenance ManualApply two continuous beads of sealing strip all roundMatch up fixingholes, install bolts, washers and nuts and tighten down all round to form anFixing bolts etc. are not supplied by Donaldson. Compressed air requirements. PowerCore dust collectors require an independent supply of clean, dry, oilfreeA design label is also attached to eachType of compressorLocation of air intake. Avoid locating the air intake in an excessively polluted area and install an adequateLayout and installation of air lines. The pipework between compressor and dust collector should be long enough toA typical requirement for the.

For furtherA moisture separatorThe manifold has a maximum operating pressure of 6.2 bar see Table 2 in. It is a requirement that adequate precaution is taken toWhere a relief valve is supplied by DonaldsonController. It is a requirement of the Supply of Machinery Safety RegulationsDonaldson but instead is the responsibility of the customer. Always isolate power before opening the controller.CPV2 2way controller. CPV3 3way controller. CPV4 4way controller. CPV6 6way controller. CPV8 8way controller. CPV12 12way controller. For IPC Controller connections and setup, refer to PublicationWhen PowerCore dust collectors are supplied for use where there is aInstallation check list Ensure the dust collector is securely bolted over the aperture. Ensure compressed air supply is installed correctly and free from leaks. Ensure electrical supply is installed correctly and complies to local legislation.Donaldson but instead is the responsibility of the customer. Commissioning check list Ensure the dust collector is securely bolted over the aperture. Open the access doors and ensure the seal is intact, then close and secureEnsure controller is connected to the correct voltage and that the pulseFor 24V DC ensure polarity isEnsure electric power is available. Ensure the compressed air manifold has sufficient protection for overpressure. Start the compressor and check that the air supply is maintained at theSwitch on the controller and check that all valves operate in sequence lookAs each valve operates, the air pressureIf any of the above check boxes are not ticked, then the reasons why should be. Startup sequence. Having completed all the necessary checks, the equipment may be put intoAt the end of any period of operation it is most important that all residualTo achieve this,To enable offline cleaning, refer to controller manual.Adherence to the above procedure will ensure that a PowerCore dust collectorFiltering operation Fig. 3a.

With the collector mounted on the silo or storage container, dustladen air entersAirflow is directedThe clean, filtered air passes through theCleaning operation Fig. 3b. At regular intervals, governed by the controller, each PowerCore filter pack receivesFiltering operation continuousFigure 3 Principle of operationBefore any work is carried out, ensure the equipment is adequatelyEnsure the pneumatic system is fully isolated and depressurised beforeFor ancillary equipment not manufactured by Donaldson, refer toIf it is unavoidable to work on the equipment while an explosiveNonsparkingAccess to the dirty air chamber of the equipment may create risks andThese risksIn order to maintain the original collector specification and to ensureEvery care has been taken to avoid the risk of ignition of a flammableParticular care should beWhen replacing fan impellers, avoidCare should be taken during cleaning and maintenance to avoidRoutine inspection. To maintain the optimum performance of any dust collector, a routine inspectionAny abnormal change in

pressure differential across the filter packs indicates aFor example, aHowever, it is advisable toFilter pack resistance can be checked by connecting a Utube manometer orOnce running, theIt is recommended to periodically inspect the general casing integrity. Do not operate above recommended compressed air pressure. Excessive pressure will reduce the working life of components. Servicing schedule. A record of all pressure checks should be kept in a log book to aid the speedyWeeklyMonthly. Check operation of solenoid and diaphragm valves. It may be necessary to check the operation of the valves while theCare should be taken to avoid injury. If it is found necessary to replace a diaphragm, use the following procedure see. Fig. 4. Use service kit available from Donaldson. AnnuallyIt may be necessary to remove a diaphragm valve for internalFaulty seals must be replaced.

Figure 4 Valve diaphragm replacementUse safety and protective equipment when removing contaminants andDirty filter packs may be heavier than they appear. Use care when removing filter packs to avoid personal injury. Do not drop filter packs. Refer also to Figure 5.Swing door fully open and engageFigure 5. Filter pack replacement CPV4 illustratedExcessive pressureActionIf compressor stopped, rectify compressor fault;If compressor OK, check pulses at manifoldClean filters, dismantle and clean moistureRefer to Fault location table in controller manualEnsure filter pack retainers are fitted securely.Damaged filter packs can be identified by theFor controller specifications refer to Publication 2699. Design pressure. Maximum operatingTest pressure. Design temperature. Maximum rating ofManifold volume. Product of pressureMaterial used forMinimum metalStructural hollow section. To improve corrosion resistance the manifold is painted externally andAtmospheric airWorking compressedNormal operating pressure.PulseMinimumRecommended initial setting; this may be varied with experience. Sizes suitable for runs of pipe up to 30 m 100ft in length. For longer runs consult with Donaldson.Figure 6. Spare parts identificationItem. Description. Part numberInterleuvenlaan 1, B3001 Leuven Heverlee, Belgium. Manufacturing Centres Donaldson Filtration GB Ltd. Humberstone Lane, Thurmaston, Leicester LE4 8HP, England. Kralovsky vrch 1986, 432 01 Kadan, Czech Republic. Customer Service Centre Donaldson Europe B.V.B.A. Pathoekeweg 166, B8000 Brugge, Belgium. Description of the machinery Dust Collector. Brand Donaldson Torit DCE. Description See attached Scope of Delivery. The undersigned, authorized by Donaldson, certifies that the machine described above, providedIMPORTANT! Read the Installation, Operation and Maintenance Manual before using this machine. If you require additional copies contact your local Donaldson representative.

The machinery must not be put into service until the machinery into which it is to be incorporatedSignature. Name. Position. Heiner Carstensen. Product Development Director. Date March 2007Interleuvenlaan 1. B3001 Leuven Heverlee. BelgiumItaliaDanmark. Sverige. Humberstone Lane. Thurmaston. Leicester LE4 8HP. EnglandFranceNL1322 CG Almere. Postbus 60342. NL1320 AJ Almere. Nederland. Create one here. Creators are allowed to post content they produce to the platform, so long as they comply with our policies. United Kingdom. Company number 10637289. Something went wrong. View cart for details. All Rights Reserved. User Agreement, Privacy, Cookies and AdChoice Norton Secured powered by Verisign. We have 1 Donaldson Torit E200 manual available for free PDF download Installation And Operation Manual. Donaldson Torit E200 Installation And Operation Manual 20 pages Centrifugal mist collector Used and Second Hand Donaldson Torit DCE Machines. For decades, Donaldson Torit has offered manufacturers the most advanced and reliable dust collectors and filters available.The pairing of these industryleading collectors and filters helps increase manufacturing efficiencies and provides a cleaner environment for employe At times this insulation will donaldson torit dce ipc manuCentrifugal Mist Collector E100 to EA905. Dryflo DMCMMA and DMCMMB. Modular MediaFilter Vertical Series MDV1, MDV2 and MDV3. WSO Mist Collector WSO 20 and WSO 251 to 2 Donaldson Torit designs, manufacturers and markets industrial air filtration and control systems, replacement filters and products that reduce dust, fume, an.

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