

## WHY DONALDSON TORIT DCE?

### Cost-effective

Donaldson Torit DCE dust collectors are designed and built using our exclusive FLUENT computer aided design software for maximum collector performance and efficiency. This reduces your initial capital investment and ensures lower ongoing operating expenses.

### Largest Range

Donaldson Torit DCE has the world's largest range of collectors and the most complete line of filter media from which to select the best system to suit your application.

### Complete Solution

We provide a completely engineered solution, from initial system design to installation, commissioning and after sales and technical support.

### Precision Engineering

Our initial design phase is extremely comprehensive to ensure maximum system efficiency and effectiveness. Each piece of woodworking and metalworking equipment is carefully considered to ensure proper source capture hood design and air velocity is achieved, as well as adequate ducting to attain correct transport velocity.



### Industry Experience

For years we have been developing systems for a broad range of woodworking and metalworking applications within schools, and higher education training facilities. We know the tools used, and more importantly, we understand the characteristics of the dusts, fumes and mists generated and how to safely remove them.

### Industry Experience

For total peace of mind, we offer a comprehensive service program to ensure the smooth, reliable and continuous operation of your installation. Scheduled servicing is critical to maintaining the peak filtration efficiency of your system while keeping costs and downtime to a minimum. Our program includes scheduled servicing of your equipment, the replacement of filter bags and cartridges, a complete range of spares, and a service register to satisfy stringent legislation.



Engine Filtration Products



Compressed Air Purification



Gas Turbine Filtration



PTFE Membrane Technologies



Hydraulic Filtration



Dust, Fume & Mist Collection

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A PARTNERSHIP IN THE PHARMACEUTICAL INDUSTRY



Solutions for every handling, storage and manufacturing application in the pharmaceutical industry.



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Filtration Solutions

www.donaldsonfilters.com.au



# Clean air for your production and manufacturing areas with a dust control system from Torit DCE

## A world-leader in industrial filtration.

Infusion solvents, serums, vaccines, plasma, medications...these are only some of the products that the pharmaceutical industry produces to meet the highest standards of quality and purity.

Air borne contaminants have no place in pharmaceutical production; they risk the purity of the manufactured product as well as risking the health and safety of workers.

At Donaldson Torit DCE, we understand your commitment to quality. As such, we offer filtration systems that have been designed to match the stringent requirements of the pharmaceutical industry and biotechnology for numerous applications. We have the broadest range of proven, high efficiency dust, mist and fume collectors in the world to select from with specific experience in providing end to end filtration solutions to customers in pharmaceutical, biotechnology, food handling, manufacturing and storage industries, not to mention being one of the most respected brands in industrial filtration.



## Common Applications of Donaldson Torit DCE Filtration Systems in the Pharmaceutical Industry

- Drug processing ventilation
- Pan coating
- Pill coating
- Pill tablet drying
- Calcium blending
- Ibuprofen mixing
- Herb grinding
- Calcium bin venting
- Pharmaceutical pill presses
- Vitamin mixing
- Supplement bagging and mixing
- Pharmaceutical lipid area



## Benefits of Effective Dust & Fume Control

### + Protect You and Your Workers

- ◆ Removal of air-borne contaminants that could pollute the production line.
- ◆ Protect you and your workers from allergic and hypersensitivity reactions to chemicals and fumes.
- ◆ Improve worker morale, reduce worker sick leave and increase worker retention through cleaner working environments.

### Reduce Fire Hazards

Many substances used in the production and manufacturing process are either explosive or flammable; this includes grains, additives and chemical fumes. Removal of residual dust and fumes and the deposit of waste in a centralised collection point greatly reduces fire and explosion hazards whilst minimising the risk of harm to workers and possible accidents.

### ✓ Meet Government Regulations

Installation of a Donaldson Torit DCE Dust and Fume Collection system will help you to meet the regulatory requirements governing safe workplaces\* and help limit common exposure risks such as:

- ◆ Diethanolemine – maximum TWA exposure limit of 13mg/m<sup>3</sup>
- ◆ Chlorine – maximum TWA exposure limit of 3mg/m<sup>3</sup>
- ◆ Starch – maximum TWA exposure limit of 10 mg/m<sup>3</sup>
- ◆ Silica fumes – maximum TWA exposure limit of 2 mg/m<sup>3</sup>
- ◆ Calcium derivatives – maximum TWA exposure limit of 2-10 mg/m<sup>3</sup>

\*Exposure Standards for Atmospheric Contaminants in the Occupational Environment(1995), Worksafe Australia

^ TWA (Time Weighted Average) relates to average airborne concentration of dust or fume when calculated over a normal 8-hour working day, for a five day working week.

## Maximise Cleanliness of the Work Environment

Installation of a Donaldson Torit DCE Dust and Fume Collection system will aid in compliance with the following standards and codes of practice held within the industry:

- Australian Code of Good Manufacturing Practice for Medicinal Products (16 August 2002)
- Therapeutic Goods Manufacturing Principles Determinations (2002)
- Good Manufacturing Practice Guide for Active Pharmaceutical Ingredients (2000)

## Specific Environmental Requirements addressed by installation of a Donaldson Torit DCE Collection system:

### Clause 4.21 Building and Facilities: Good Manufacturing Practice Guide for Active Pharmaceutical Ingredients (2000)

Adequate ventilation, air filtration and exhaust systems should be provided... systems should be designed to and constructed to minimise risk of contamination and cross-contamination and should include equipment for control of air pressure, microorganisms, dust, humidity, and temperature...

A Donaldson Torit DCE collection system will aid in the prevention of cross-contamination and control of particulate matter with an astonishing 99.97% efficiency rating.

### Clause 5.1 Design and Construction Good Manufacturing Practice Guide for Active Pharmaceutical Ingredients (2000)

Equipment should be appropriate design...

Donaldson Torit DCE has the world's largest range of collectors and the most complete line of

filter media available from which to select the best system to suit your application. Our initial assessment and design phase is extremely comprehensive to ensure that we specify a system that provides maximum efficiency and effectiveness at a cost that fits your budget.

Our completely engineered solution can include full system design, installation and commissioning.

### Clause 5.23 Equipment Maintenance and Cleaning: Good Manufacturing Practice Guide for Active Pharmaceutical Ingredients (2000)

Schedules and procedures should be established for the preventative maintenance of equipment.

Our completely engineered solution includes full after sales and technical support and can include a tailored competitively priced maintenance program to make sure that your Donaldson Torit TCE filtration system is constantly operating to maximum efficiency.

## Ideas to Take Your Donaldson Torit DCE Filtration System Further

### Duralife Long Life Collection Bags

The Duralife Long Life Collection Bag is just as its name sounds.

Its unique synthetic fibre construction makes it the ultimate solution to obtaining maximum performance efficiency in filtration applications whilst providing superior long life that will substantially decrease the number of services required to keep your Donaldson Torit DCE collector in optimal operating condition.

With greater holding capacity, finer filtration qualities and longer endurance than traditional cotton sateen, polyester or polypropylene bags, Duralife is the smart choice for your ongoing collector maintenance requirements.

Ask about Duralife Long Life Collector Bags for new and existing Donaldson Torit DCE Collectors and Industrial Filtration by calling 1800 503 878.

