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Brambles Farm Business Park
Waterberry Drive
Waterlooville
PO7 7XX

Quote Ref: SO-SV-25-UK-HH-017-R1-LD-ENSINGER-CPC

Date : 06 August 2025

For the attention of Terry Maggs

Re: Tufnol Project – Waterlooville Facility

We thank you for your valued enquiry and now have pleasure in submitting our proposal covering the supply of dust control equipment to serve the above.

The equipment being offered is to Donaldson normal high standards of design and manufacture.

We trust that this quotation is sufficient for your needs and in line with your immediate requirements. However, if you have any queries or need any further information our Mr Harry Hawkins will be pleased to discuss further and can be contacted on mobile phone number 07720 093536.

Yours faithfully
Donaldson Filtration (GB) Limited

[redacted]

Leigh Dunning
Sales Support Engineer
Direct Phone No: 0116 256 4307
Email: leigh.dunning@donaldson.com

Donaldson Filtration (GB) Limited

Application Details

Application	**:**	**Weighing**
Air Volume	**:**	**2,330m3/hr @ 385daPa total system pressure**
Dust	**:**	**Tufnol / Plastics**
Dust Explosion Class	**:**	**KST 199bar/m-1, Pmax 9bar, MIE > 3 mJ**
Filter Unit ATEX Zones	**:**	**Internal = zone 20 / External = not classified**
Temperature	**:**	**20°C**

- **The data mentioned above are critical safety factors which determine the design of the final product** (especially dust explosion class and/or Kst value of the dust and venting conditions). We recommend that you check these values and in case of doubt, perform an analysis of the dust explosibility.

- **The proposed product should not be used outside the scope of this application.** In the event the scope would be modified, we recommend you contact Donaldson to check if the product is still fit for its purpose and eventually propose the necessary modifications.

Filter

To handle this duty we propose our Donaldson PowerCore® Dust Collector type CPC-4 manufactured in mild steel suitable for indoor execution, complete with Ultra-Web flame retardant anti-static earthed filter cartridges, earthing, top mounted bursting panel with detection device, reinforcement, steep hopper, support legs with 1397mm hopper clearance, 80 L dust drum, bin balance, fanbox with insulation foam, oil/water separator/regulator 1/2'', iCue filter monitoring, and Contura controller with 4kW star delta starter and inline micrafilter, all as outlined in the attached filter specification.

Fan-Set

We include the option for one SF40 roof-mounted fan-set, complete with 4kW Cat 3D motor, indoor execution and silencer and to give 75 dBA @ 1 metre.

Explosion Non-Return Valve

We include the option for one RSBP 200mm diameter ST1 rated Explosion Non-Return valve in mild steel to prevent flame propagation back down the ductwork in the event of an explosion occurring in the filter. Complete with counter-flange. As outlined in the attached data sheet.

Flame Arrestor

We include the option for one RSBP FLEX PRO R1 VPT 630x310mm explosion relief valve with flame arrestor in mild steel. Safe, reliable, fast and efficient. The integrated flame arrestor prevents the escape of flames. As outlined in the attached specification sheet.

Ducting, Installation & Commissioning (subject to a site survey)

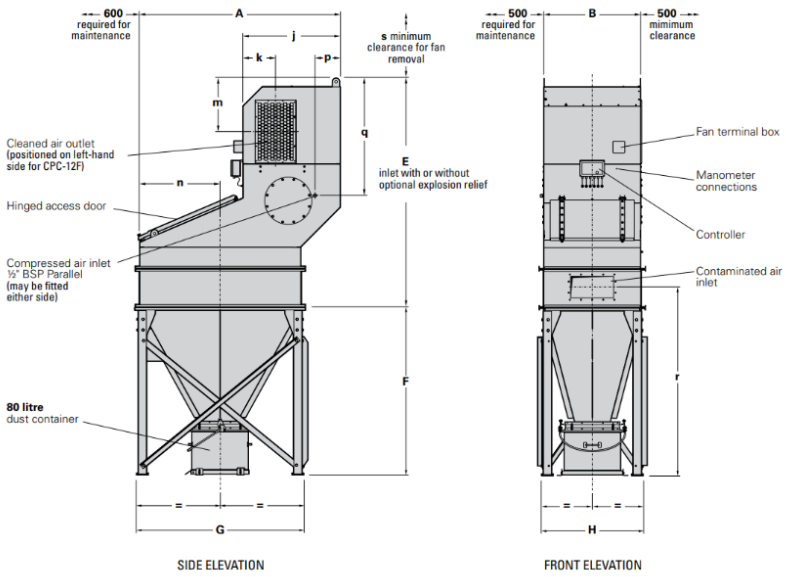
We propose the option for interconnecting ductwork, drop out chamber for larger product types (as detailed by the client) and hood connections complete with supports, inspection doors and dampers. We include for the skilled installation of the equipment during normal working hours and system commissioning to HSG 258.

Price

Item. No.	Item. Type	Description	Qty.	Unit Price In GBP.	Total Price In GBP.
1.		**For Supply of** Donaldson PowerCore® Dust Collector type CPC-4 filter unit and roof-mounted fan-set with 4kW motor suitable for an electrical supply of 400 volts; 3 phase; 50hz with iCue	1	£19,797.00	£19,797.00
2.		**For supply of** RSBP 200mm diameter Explosion Non-Return Valve	1	£1,590.00	£1,590.00
3.		**For supply of** RSBP FLEX PRO R1 VPT 630x310mm flame arrestor	1	£3,566.00	£3,566.00
4.		**For supply of** commissioning.	1	£750.00	£750.00
5.		**PARKER ENVIRONMENTAL - For supply of** Ducting, Drop-out-Box and installation (EXTERNAL)	1	£17,460.00	£17,460.00
6.		**PARKER ENVIRONMENTAL - For supply of** Ducting, Drop-out-Box and installation (INTERNAL)	1	£16,580.00	£16,580.00
				Total Price (INTERNAL INSTALLATION) =	**£42,283.00**
		• Above prices include delivery and exclude VAT			

Parker Environmental have supplied the price for the ducting, drop-out-box and installation (section 5 and 6). This price is direct from Parker Environmental. If Ensinger proceeds with the quoted works above, two POs will need to be raised, one to Donaldson, and one to Parker Environmental. A sperate quote has been supplied to Ensinger detailing the works along with Parker Environmental's terms and conditions.

Filter Unit Example



Extended Warranty (with Integrated Service Package)

Item No.	Item Type.	Description.	Qty.	Unit Price In GBP.	Total Price In GBP.
6.		Extended Warranty with Integrated Service Package increases our normal Warranty terms from 1 year to 3 years which includes replacement warranted items, annual inspection/check, site service visit and new full set of replacement original specification filter media supplied and fitted after 2 years	1	£5,061.86	£5,061.86
				• Above prices excluding VAT	

Extended Warranty

Payment Terms

100% at invoice of filter unit.

We would like to point out that these terms are subject to satisfactory credit references.

What is Extended Warranty?

Extended Warranty Offer with **Integrated Service Package**.
Our Extended Warranty increases our normal Warranty terms from 1 year to 3 years. We include for annual site inspections. Filter media is supplied and changed out as per offer.

Conditions of Extended Warranty

- Equipment supplied is used on the application and used within the performance and design parameters specified within our equipment offer.
- Donaldson is permitted to carry out the initial set up check, annual inspection/s and filter media changes at the intervals determined.
- Regular maintenance is carried out in accordance with Donaldson's operation manual.
- Filter cleaning mechanism and any compressed air settings are as per manufacture requirements.
- Where Donaldson iCue (connected solution) is supplied as part of the initial equipment this must be fully installed and connected.
- All ancillary equipment would remain on a 1-year warranty (i.e. Non Donaldson manufacture fan sets, rotary valves etc.)
- In the event of any extra filter media changes outside of our offer, these would be subject to an additional charge.
- For all other terms and conditions please refer to Donaldson Site Services.
- The payment schedule needs to be complied with.

FILTER SPECIFICATION

One	:	Donaldson PowerCore® Dust Collector type CPC-4 + iCue
Dust Discharge Arrangement	:	Hopper to 80 l. dust drum
Filter Media	:	Ultra-Web Flame Retardant Anti-Static Earthed
Filter Area	:	24.8 m^2
Filtration Velocity	:	1.57 m/min
Filter Cleaning	:	Contura Powerbox to IP65 spec + inline micrafilter
Fan Type/Size	:	Floor mounted SF 40 with 4kW Cat 3D motor to IP55 spec
Power Requirements	:	400 Volts 3 phase 50 Hertz
Compressed Air Requirements	:	Refer to data sheet
Fan Starter	:	Included
Indoor Execution to C1 specification	:	Included
Earthing, Top Explosion Venting & Reinforcement to 0.4 barg	:	Included
Steep Hopper & Support legs (with 1397mm clearance below hopper)	:	Included
80 l. dust drum	:	Included
Bin Balance Connection (To Allow Plastic Liners Within The Collection Bin)	:	Included
Oil/water separator regulator 1/2"	:	Included
Design Temperature	:	- 10°C to + 60°C
Dimension Tolerances	:	+/-5 mm on main dimensions +/-2 mm on detail dimensions
Paint Finish	:	Capri Blue RAL 5019 Single Pack, synthetic, zinc rich textured - semi gloss paint

Providing Actionable Insights When & Where You Need Them

1.1 How it Works

Building on more than a century of filtration experience and the latest IoT technology, Donaldson's 'Global Service Plan' (enabled by iCue) is designed to remotely monitor a facility's dust collection equipment and provide operational insights directly to end-users. The information can help manufacturers reduce unplanned downtime, support efficient maintenance and operation, and automatically capture compliance data. The service will revolutionize the way organizations monitor, manage, and optimize their dust collection systems.

ICue works with nearly all major brands of dust and fume collectors and includes a variety of sensor options so you can track the performance metrics that are most critical to your operation. Machine data from each connected device is collected and sent to Donaldson's secure cloud, where it is transformed into actionable insights that are available on your dashboard. This web-based dashboard displays the status of all dust collection equipment across your operation, and lets you configure alarm levels and notifications.

1.2 Your benefits

Support Efficient Maintenance and Operation
- The status of all your dust collectors is available from a single web-based dashboard
- Potential issues are identified before they create the need for larger, more time-intensive corrective action

Reduce Unplanned Downtime
- Key parameters on the collector are monitored, enabling proactive troubleshooting and maintenance
- Alerts are sent to when pre-set thresholds are breached, or your dust collector is operating outside the pre-set parameters

Manage and Track Regulatory Compliance Information
- Access real-time performance data to complete compliance reports
- Manage employee exposure risks by monitoring airflow through the dust collector

Manage Work in Challenging Environments
- Help manage staff exposure by reducing the need to access equipment and lower exposure to harsh weather, heights, ice, or debris
- Help manage staff exposure to potentially hazardous materials

1.3 Our offer

With iCue installed on your dust collector, you can choose to connect iCue to your dust collector *free of any charge.*

With iCue connected you can choose from 3 different Service Plans, all having their own value proposition for you and/or your end user. Options ‘Monitor’ and “Monitor+’ are priced with a fixed fee. Option ‘Monitor + Manage’ can be priced only after a site visit.

Service Plans	Without iCue Connection		With iCue Connection			
	Protect	Protect+	Connect	Monitor	Monitor+	Monitor & Manage
iCue Connected Filtration Technology			x	x	x	x
Onboarding Session			x	x	x	x
Maintenance alerts & automated data recording			x	x	x	x
Remote monitoring performed by Donaldson staff			x	x	x	x
Live troubleshooting & diagnostics from Donaldson				x	x	x
Preventative maintenance visits (Annual, Quarterly, Monthly)	x	x			x	x
Replacement filter and parts installation***		x				x
Replacement filters and parts***		x				x
Customized compliance reporting						x
Service history record						x
Unplanned repairs						x
Price per year per unit	**1.000€ ****	**1500€***	**Free**	**1.000 €**	**2500€****	**On demand**

* up to 18 filer elements. One preventative maintenance visit per year. More visits can be scheduled for additional charges.

** one preventative maintenance visit per year. More visits can be scheduled for additional charges.

*** includes one set of filters.

In case you are interested in your benefits in Cost of Ownership and your ‘Peace of Mind‘, please liaise with your contact person as we are happy to explain more about your opportunities to save money.

After installation of your dust collector, Donaldson will contact you and explain how to connect iCue to your dust collector. If not interested in any Service Plan, you are anyway able to monitor process data yourself, and have insight in the performance of your dust collector.

Liability Limits

Donaldson cannot be held responsible in any way when the units are used outside the scope of application described in this quote.

Installation, connections and maintenance of the dust collector have to be done in accordance with Donaldson Installation & Operation Manual. More information can be obtained from a Donaldson specialist or by consulting a dust explosion expert.

Guidelines VDI 3673 and VDI 2263, research work and practical experience of several years together with the exchange of information between experts in Europe, have formed the basis for the design of the dust collector.

Documentation

Above Prices include the Supply of the below Documentation, Additional Documentation, information or FAT’s can be offered at an additional cost, the additional cost is dependant of the Scale of the requirements and can be advised on request.

Standard Documentation supplied:

Data sheet of Primary Equipment & Media Supplied
OEM Manuals of any Equipment Supplied
CE Certification
Atex Certification where applicable
Outline Drawings of Equipment Supplied in PDF & Auto Cad 2D Form
Key Recommended spares List and Service Offering

Explosion Relief Guidance Notes

The guidelines give alternatives listed in preferred and recommended order.
Points 1-3 applies to all Donaldson collectors fitted with explosion relief panels.
Point 4 only applies to certain Donaldson range collectors fitted with explosion relief panels.
Consult Donaldson for installations that do not comply with the following.

1) The collector should be sited outside with the explosion relief panels vented to a designated safe area. Adequate guarding to prevent access to this area by others.

2) If (1) is not possible the explosion relief panels should be vented to an outside safe area by means of an explosion relief duct of sufficient strength to withstand the explosion pressure and conform to the design criteria laid down in the Institute of Chemical Engineers Guidelines.

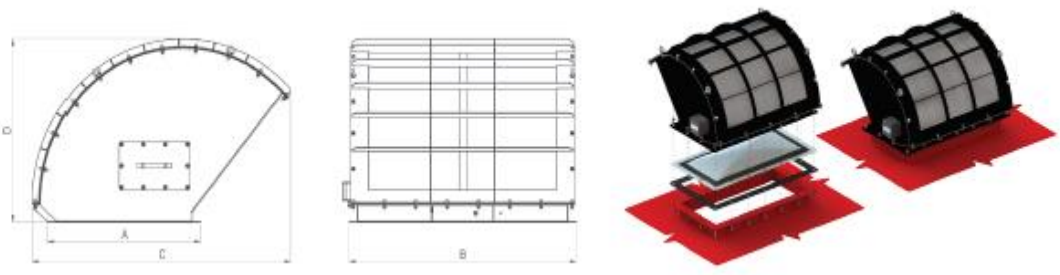
3) If (2) is not possible the explosion relief panels should be vented inside vent to a designated safe area. Adequate guarding to prevent access to this area by others.

4) If (3) is not possible the explosion relief panel should be directed towards a substantial wall capable of withstanding the explosion pressure shock wave. A minimum of 500mm clearance is required between the explosion panel and the wall. Adequate guarding to prevent access to the area behind the collector by others.

Explosion Venting Inside

The final location of the unit relative to venting of the explosion relief panel is to be determined by the end user. The explosion relief panel must be vented to a designated safe area and guidance in the appropriate Donaldson installation, operation and maintenance manual must be followed. End users are obliged to comply with ATEX Directive 2014/34/EU which includes the creation of an Explosion Protection Document which should contain a risk assessment of the equipment, its safe use, details of the surrounding area etc. The course of an explosion within a building will be affected by several parameters such as the shape of the building, the presence of equipment/structural elements and the possibility of propagation from room to room with the presence of flammable dusts if left to lie on surfaces such as window sills and pipework etc.

Example – RSBP FLEX – FLAMELESS EXPLOSION VENTING



Use In Potentially Explosive Atmosphere (ATEX - Directive 2014/34/EU)

The proposed equipment is not suitable for installation within an atmosphere that is classified as potentially explosive, as defined by the above Directive. However, since a potentially explosive atmosphere is present within both the clean and dirty chambers of the filter unit the components in these areas are rated to suit the zones created.

Selection of the filter components is based on the following information:
Conductive dust - No
Minimum ignition energy less than 3mj - No
Cloud ignition temperature higher than 187C if dust - Yes
Layer ignition temperature higher than 200C if dust – Yes

The data mentioned above has been assumed on your behalf and are critical safety factors, which determine the design of the final product. We recommend that you check these values and notify us by return if any of this information is incorrect.

Prevention of flame front

We have a duty to point out that there is a risk of a flame front being transmitted back down the suction ductwork in the event of an explosion occurring in the filter. This risk can be minimised by the fitting of an explosion isolation valve in the ductwork system, we have included for the supply of this item in our price.

Delivery

The lead-time of this equipment is currently 8 working weeks ex-works from receipt of order.

Incoterms: CPT.

Conditions of Sale

This quotation is subject to our Conditions of Sale, a copy of which is available by clicking this link:

https://www.donaldson.com/content/dam/donaldson/legal/Terms-Conditions-Sale-ENG.pdf

Validity of quotation 30 days.

Payment

30% with order (terms; within 10 days of official order – any delay could affect our delivery time)
60% on delivery (terms: 30 days)
10% on commissioning (terms 30 days). Payable on completion of commissioning or 60 days from the equipment delivery date, whichever is soonest.

We would like to point out that these terms are subject to satisfactory credit references.

Exclusions

In calculating our prices, we have excluded the following items:

- Off-loading
- All on-site wiring, isolators and electrical work and the provision of same
- Provision and erection of scaffolding, ladders, lifting tackle, cranes etc. required for off-loading and installation
- Pre-erection storage of the equipment
- Compressed air services and pipework
- Our prices do not include VAT and this will be shown separately on any invoice

Site Services

In addition to the complete range of Donaldson filtration products, we are also able to offer the following after sales service:

AFTERCARE

LEV TESTING

- P601 Qualified Engineers
- HSG 258 Compliance
- Regulation 9 of the COSHHH legislation
- Detailed quality report(s)
- System schematics

SERVICE

- Full-service offering
- Qualified engineers
- From single service visit to total system management through Donaldson iCue™ offering

SPARES

- Held in our European Distribution centre
- Immediate shipping on selected items
- shop.donaldson.com site for ease of purchase
- Critical spares held on service vehicles

DISCOVER PEACE OF MIND

CONSULTATION & SYSTEM DESIGN

Donaldson offer tailored design and consultation to ensure equipment and systems supplied are correct for your application requirements.

INSTALLATION

Our engineers and authorised partners ensure that all equipment is installed in accordance with your site and regulatory guidelines.

COMMISSIONING

Our engineers examine and test in accordance with standards for maximum safety and performance.