

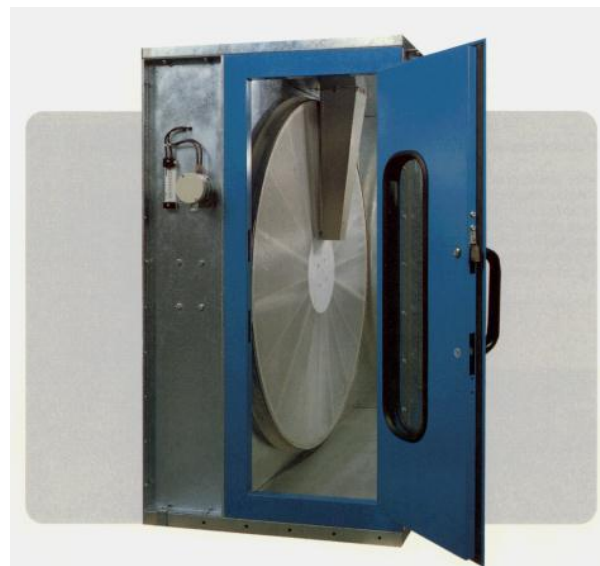
Sly Contact:	Linus Ridge	Date:	19/09/2011
Client:		Contact:	
Document Title:	Automatic Rotary Pre-Filter Unit		

## Material Specification

Note: Products may vary slightly from equipment shown in pictures

### Sly Filters RPF Rotary Pre-filter Unit

The Sly Filters rotary pre-filter unit is used as a part of air engineering plants to provide preliminary filtration of air streams heavily charged with waste, especially in automatic waste disposal systems. The air stream is conducted axially to the slowly rotating pre-filtration disc via feed pipes through the back panel or via a connecting box. The rotational rate, mesh size and flow velocity, which are selected in accordance with the type of application, cause a build-up of a fibre layer with the aim of retaining fine dust. The waste deposited on the filter screen is removed by means of a fixed, radially mounted nozzle and fed to a (disposal station supplied by others).



### RPF Advantages

- Capable, as part of the compact plant system, of combination with various functional units, especially with the APF automatic panel filter.
- No filter chamber to be provided by customer.
- Low power consumption.

Rotary pre-filtration disc principle with controlled build-up of fibre layer permits;

- Increased separation efficiency with simultaneous reduction of load on the fine filtration stage.
- Individual adaptation to extremely varying operational conditions

Axial air feed and compact design mean

- Waste entry via Client supplied perforated floor
- Low cost
- Small space requirement and easy integration

Simple maintenance and operation due to

- Visual checks from outside
- Simple and rapid filter screen replacement



### Material Specification

- Rotary spoke wheel covered with filter screen rotates on central bearings.
- Suction nozzle.
- Belt drive consisting of gear motor, pedestal bearing, support, belt & tensioning device.
- Pre-filter housing in Sly Filtersir □ Texpac panels.

### Sly Filters SS Multi Dust Collector

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- Wall mounted dust collection unit consisting of sheet steel dust box and bag holders, filter hose of tubular cloth and dust bags. Interconnecting ductwork from the RPF to waste collector (approx. 10 metres long) complete with fastenings and fittings. 4Kw waste collection fan is also included in the system .

### Controls Optional

Sly Filters controls are custom designed for each installation, Sly Filters DPGT controls are utilized in this application.

Key features and benefits are as follows:

- Digital Indication of differential pressure.
- Adjustable alarm settings via voltage free contacts to external alarm.
- Warning LED of status.
- Sly Filters robust construction.

### Within the Scope of Our Supply

1 Off – RPF Unit complete with Texpac housing capable of handling 50m<sup>3</sup>/hr.

1 Off – Stainless Steel Screen

1 Set – Installation drawings and operational manual

Electrical Wiring: To be carried out by others.

Operating & Maintenance Manuals will be supplied with equipment

### Options

1 Off – DPGT pressure differential Transmitter

1 Off – Dust collector with 10 metres of interconnecting pipework with bends and tapers.

1 Off – Installation of unit at our works and delivery of assembled unit to site

Engineering customer visits – Price per hour as required by your engineering team

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## Prices and Sales Condition

**Budget Prices** Note – Prices are special OEM for Sly Filters re-sale

**RPF Units Supply Only** £ **10,830.00**

Basic RPF unit including stainless steel screen, the unit is supplied in Kit form for assembly & commissioning by others, drawing supplied by Sly Filters (UK) Ltd price for 1 off unit delivered to Leicestershire.

### Options

Dust collector with conveying ductwork and waste transport fan £ **4760.00**

Sly Filters DPGT III +/- 5,000Pa, Price for 1 Off £ **658.00**

Senior Design Engineer – Cost per hour for meetings if specifically requested £ **55.00 / Hr**

assembly of unit at our works including delivery to £ **2,050.00**

**Leicestershire**

The above prices are understood to be exclusive of VAT.

### Services by Client

Installation & commissioning of RPF (unless ordered as an option)

All starters & electrical wiring to the RPF and Waste fan.

All interconnecting chambers

Lighting if required

Off-loading of all goods on delivery to site.

### Delivery Ex-works

We estimate delivery of the equipment will be 8 working weeks from the date of your written acceptance of our offer, clarification of technical details and receipt of the down payment, whichever is the latest.

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### Terms of Payment

For Supply Only

- (i) 30% of the purchase price payable with the order.
- (ii) 70% of the purchase price payable on readiness of unit in our works.

### Delivery Conditions

Refer to attached Terms & Conditions

### Validity

Our price is subject to the acceptance of our tender within **60** days of the date of the offer. Beyond this period, the price is subject to confirmation by us.

### Warranty

Sly Filters provide a parts warranty for the equipment it sells for a period of one year from the date of purchase against manufacturing defect. We at Sly Filters will repair or replace, at our discretion, any defective parts which are returned to our works within the warranty period.

This warranty does not cover:

- Filter screen replacements
- Transmitters that have been adjusted outside normal operating parameters
- Any parts or labour to repair or adjust any part of the system the customer has installed themselves.

This warranty does not cover repair or replacement of any item that should be replaced or maintained under normal operating and maintenance practices within the stated warranty period of one year or after that period.

Good maintenance and preventative maintenance practices should be observed to get the best performance out of the Sly Filters equipment.

### Health & Safety

During the design of this project all effort has been entered to ensure that whilst remaining practical the risk to health and safety has been considered during the preparation of this project and will remain a feature of design during the detailed design stages.

In order to complete our work in the safest manner possible. A copy of all existing drawings (of the structure), site surveys, the health and safety file and a set of site rules, which include emergency procedures, permit-to-work rules, etc laid down by the

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client when work takes place at the client's premises should be issued to Sly Filters (UK) Ltd. Site wide elements should be provided (positioning of site access, location of unloading, layout and storage areas, traffic routes, etc). COSHH assessments can be provided for all construction materials hazardous to health, which the use of cannot be avoided prior to the start of the contract.

**Revisions**

In view of continuous research and development we reserve the right to make slight modifications to our proposals in the event of an order, should this be necessary.

