The heart of our business expertise is the art of handling large volumes of air containing various types of fiber and dust. The rotary drum filter is the key element in most of these applications. We offer a wide range of sizes and capacities.

The G-3 (Third Generation) Rotary Drum Filter has been updated to better address today’s requirements regarding NFPA, OSHA, CE, ATEX, FM, etc. The G-3 concept incorporates our “Clean Floor Design”. This includes high velocity inlet air, floor coves, and smooth interior design to minimize dust accumulation. Electrical connections and possible metal to metal sparking have been removed from the airstream.
APPLICATION

A time tested and proven design for use with any fibrous application, The G-3 Rotary Drum Filter is used to provide the proper airflow and vacuum for many types of dry fiber forming processes. The most common application is for hygienic product converting machines producing baby diapers, sanitary napkins, hospital pads, surgical pads, incontinence products, etc. Other applications include Absorbent pads for meat trays, tissue products, carbon/graphite fibers, ceramic fibers, and other similar textiles and nonwoven uses. Most G-3 Rotary Drum Filters are dedicated to a single production line but, may be applied to multiple line processes. Any process for automatic cleaning of a bulky or fibrous material can be improved with the Ibis G-3 Rotary Drum Filter.

PRINCIPLE OF OPERATION

The Ibis filter is a revolving perforated cylinder covered with a filter media. Air and particulate from the process flows to the drum filter where the air passes through the filter media leaving the fiber/particulate on the filter media surface. The drum rotates past vacuum nozzles which remove the particulate for disposal and/or reclaim. The drum filter is normally supplied with one or more Main fans, a vacuum Nozzle fan, and a panel enclosure. Designed to provide your process with uniform airflow and vacuum.

DESIGN FEATURES

- Wide range of air capacities (CFM / M3/hr)
- Various diameters and lengths
- Easy walk in access
- Ease of maintenance. No special tools or permits required
- Sequential cleaning of drum sections
- Variable speed drum rotation
- Lights and windows for easy, clear inspection
- Dual labyrinth drum seal
- Clean floor design
- High velocity inlets

OPTIONS

- Various configurations to fit your application
- Sealed Rotary Valves or Pneumatic Manifolds
- Wide range of electrical controls
- Additional filtration stages
- Rotation monitors
- Mezzanines / platforms
- Factory assembled modules
- Special design inlet transitions
- Inlet valves for variable volume applications
- Pre-filter device
- In-line Contamination Collectors

IBIS ALSO OFFERS:

- Process Air Filtration Systems
- Dust Level Testing/Monitoring
- Air Flow System Analysis
- Scrap/Trim/Cull Collectors
- Bale Openers & Volumetric Feeders
- Electrical Controls
- Reclaim/Recycle Systems
- SAP Extraction