

Fisher Klosterman[®]

A DIVISION OF **FKB** GROUP

GUARANTEED GAS CLEANING TECHNOLOGIES



High efficiency cyclone with break-apart construction

The **Food and Pharmaceutical Industries** have very specialized needs for process equipment. These highly regulated and inspected industries require the highest fabrication standards for their process equipment. The ability to provide equipment meeting these demanding standards is as much an art as it is dedication to details. The surface finishes and materials of construction must be matched to the specific service, and the performance of the equipment must meet the intended goals. For **Product Recovery Equipment** this means that as much product as possible must be collected with the least amount of waste. The recovery equipment also needs to meet the process requirement of quick and easy cleanup. High efficiency cyclones are ideal for this application and can be provided in a wide range of configurations and efficiency levels.

On fugitive **Dust Collection** and **Air Pollution Control** applications, finish and cleanup are not always the main criteria, but can certainly be of importance. Dangers such as cross contamination, mold growth, and exposure of personnel during maintenance can be important factors in designing collection equipment. Service access and maintenance procedures must also be taken into consideration. Baghouses, cartridge collectors, and wet scrubbers are frequently used here.

CUSTOM DESIGN

All of these aspects must be reviewed prior to specifying and designing equipment in order to meet the specific needs of the process involved. At Fisher-Klosterman, Inc. we carefully review all of the design and operating criteria for each specific application, and provide the equipment best suited to the specific needs of the process as well as the operator. From pilot scale bench top units in research labs, to full size production equipment, FKI can provide the customized product recovery, dust collection, and air pollution control equipment that this industry demands.



Cartridge Collector with "Bag-In/Bag-Out" feature

INDUSTRY SPOTLIGHT #600

FOOD & PHARMACEUTICAL

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Break-apart cyclone disassembled for cleaning



Special product receiver

AVAILABLE EQUIPMENT

- High Efficiency Cyclones – custom tailored to application requirements
- Pulse-Jet Dust Collectors – wide selection of filter media
- Cartridge Collectors – both vertical and horizontal
- Evolution Series Dust Collectors – featuring pleated spun bonded polyester cartridges
- Wet Scrubbers – venturi type for particulate collection
- Packed Bed Scrubbers – for collection of mists, acid gasses, and VOCs
- Aerodynamic Particle Classifiers
- Accessories and replacement parts
- Custom fabrication

AVAILABLE FEATURES

- Break-apart construction for quick disassembly and cleaning (sanitary or other fittings)
- Internal and external surface finishing to meet the most demanding requirements
- Electropolishing
- Plating
- Special coatings such as PTFE, ceramic, epoxy, UHMW, and many others
- "Bag-In/Bag-Out" feature
- Special product receiving containers
- Materials of construction include carbon steel, stainless steel, high alloys, FRP and CPVC
- Access ports and inspection/clean-out doors, bolted or quick access types
- Clean-in-place systems or fittings
- High Pressure or Vacuum Ratings (ASME Section VIII certified)
- Explosion venting or suppression systems
- Complete custom design capabilities

STRINGENT STANDARDS

Other industries requiring similar stringent design and quality standards

- Chemical
- Remediation
- Nuclear
- Medical research
- Weapons destruction and testing

With over a half century of experience and more than 15,000 installations worldwide, Fisher-Klosterman® is a leader in the design, manufacturing, installation and servicing of a complete line of equipment for product recovery, dust collection, and air pollution, serving the needs of industrial process applications worldwide. Products include high efficiency cyclones, venturi scrubbers, packed bed absorbers, and pulse jet fabric collectors.

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