KEYSTONE®
Clean Air Solutions

Bag In / Bag Out (BIBO)

Frames & Housings

CATALOG

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Bag In / Bag Out Frames & Housings

HEPA Bag-in/Bag-out (BIBO) Housings keep hazardous airborne materials from exiting air filtration systems. Units are constructed out of heavy duty 304 Stainless Steel and the pressure boundaries are 100% seal welded for operational pressures up to +/-20" WG. Utilizes an 8-Mil PVC Bag in Bag Out system to keep personnel safe during filter change outs.

Quality

- BIBO units are designed to the following:
  - + ASME N509-1996 “Reaffirmed”
  - + ASME N510-1995 “Reaffirmed”
  - + ERDA 76-21
- Welders and welding procedures are in accordance with ASME Section IX
- Quality assurance program in accordance with ASME NQ

Compatibility Options

- With a wide range of options, our Bag in/Bag out units can be configured to meet your needs.
- Options include:
  - + Number and position of Doors
  - + Transitions
  - + Air Flow Direction
  - + Insulation and Weatherproofing
  - + Flanges
  - + High Temp Gaskets
  - + Prefilter Depth
  - + Manual, Electric or Pneumatic Actuators

For complete option list see our submittal document at KeystoneCleanAir.com

Testing Options

A wide range of test ports and monitoring options make it simple and safe to monitor the performance of the units and predict future service intervals

- Static Pressure Ports and Aerosol test ports
- Inlet and Outlet test sections
- Downstream Isokinetic Scan Section.

TYPICAL APPLICATIONS

Bag In/Bag Out units are commonly used in applications where complete control of contaminants is required during service and operation. Our highly adaptable units ensure operator and environmental safety.

Industries

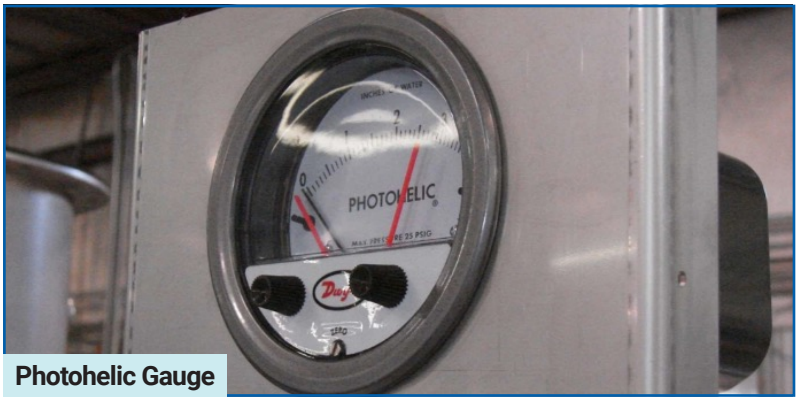
- Healthcare
- Biomedical
- Pharmaceutical.
- Nuclear

CONSTRUCTION

- Size
  - Units can be connected to accommodate any size requirement.
- Material
  - 11 and 14 gauge material
  - All hardware will be 300 series SS except for aluminum star knobs.
  - T-Grade Stainless steels or Aluminized Steel
- Filter
  - All units are designed for 24” x 24” x 11-1/2” or 24” x 12” x 11-1/2” actual size HEPA filters
  - Designed for 24” x 24” x (2, 4, or 6)” nominal prefilters

Dwyer Series Photohelic Gauge

- Optional Photohelic gauge.
- Combines the Mag gauge + pressure switch that lets you control low and high gas pressures.

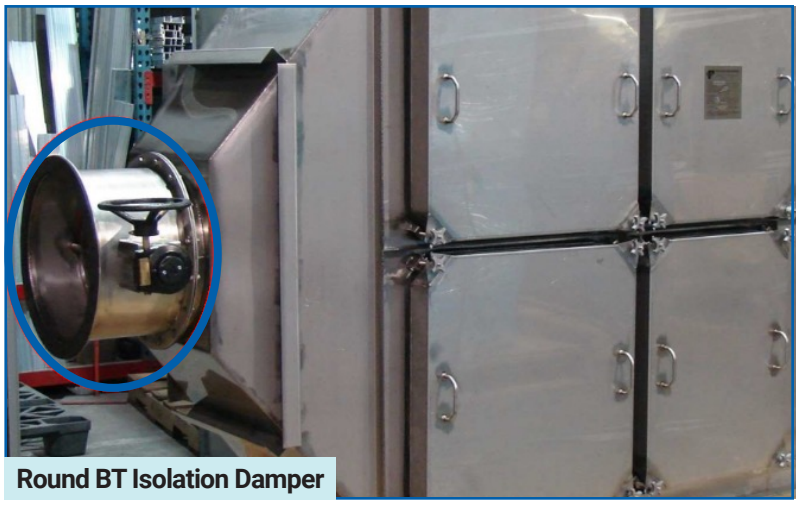


Photohelic Gauge

Bubble Tight Isolation Damper

Dish damper to create a barrier between hazardous contaminants and filter change-out components in a containment system.

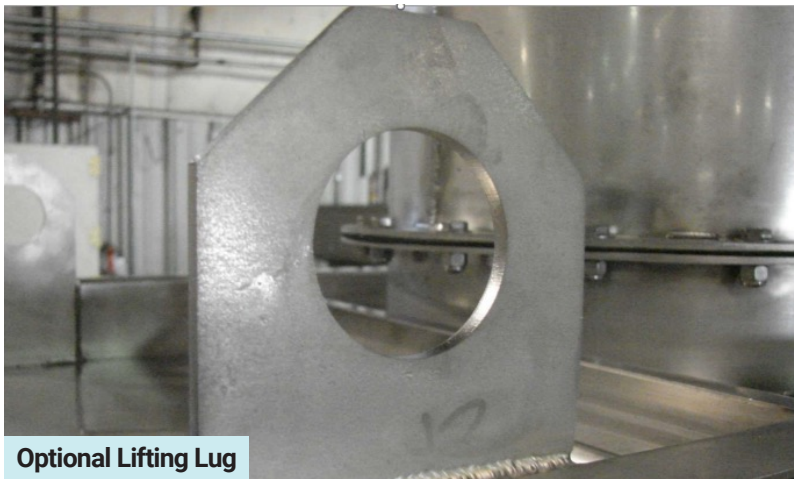
- Leak tested at ±10” WG and have a maximum acceptable leak rate of 0.005 CFM per cubic foot of housing volume.
- Low Leak Option Available (round dampers only), leak tested at ±10”WG and shall have a maximum leak rate of 0.0005 CFM per cubic feet of housing volume.


Round BT Isolation Damper

3” Decontamination Valve


3” Decontamination Valve

Optional Lifting Lug


Optional Lifting Lug

EXAMPLE APPLICATIONS

Isolation Room Containment System (IRCS)

- Designed for high efficiency filtration in small contamination areas.
- A Bibo with a fan filter unit in one
- Complete BIBO Packaged Unit for Exhaust
- Exhaust Fans
- VFD's
- Skid Mountedr

Pharmaceutical Wall Mount BIBO

- A BIBO with prefilter, BT Isolation Damper and Gauges mounted in a convenient and unobtrusive package.

Containment BIBO

- BIBO unit with BT Isolation Dampers on both ends, allowing complete capture and removal of contaminants during filter service.