



# Bag In / Bag Out (BIBO)

Frames & Housings



CATALOG

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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](http://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

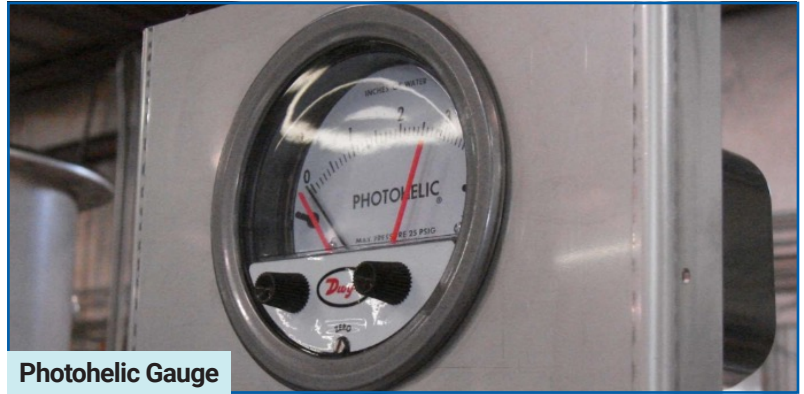
## CONSTRUCTION

- 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.

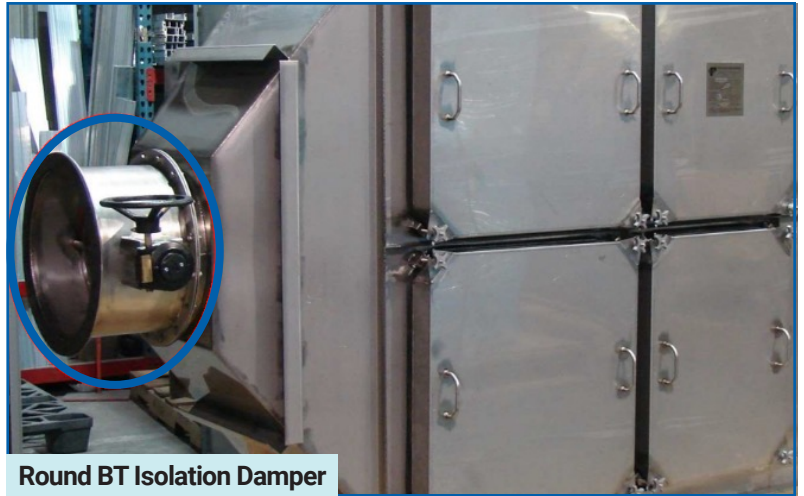


Photohelic Gauge

## 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  $\pm 10''$  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  $\pm 10''$ 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 Mounted



## 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.





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