

## HOUSING DATA SHEET

# HEPA PURO® Seal BBH Bag-in/Bag-out containment housing

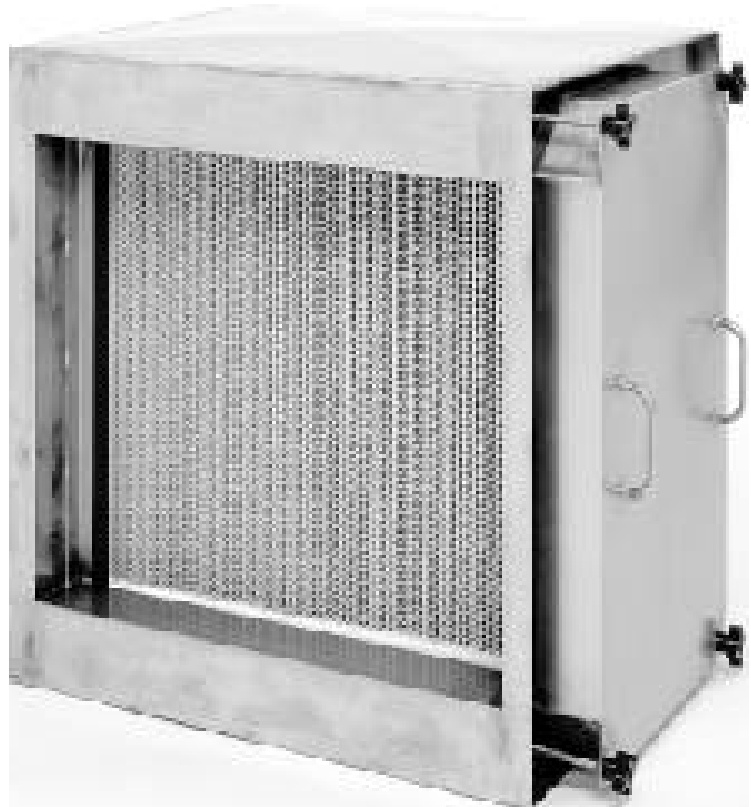
# Purolator Filtration Systems

### Introduction

Purolator's Bag-in/Bag-out side access filter housing fulfills the requirements of gasket and fluid seal application filtration while specifically providing safe replacement of contaminated HEPA filters. By containing dangerous by-products within the bag-in/bag-out system, maintenance personnel avoid direct contact with threatening particulate.

### Construction features

- Factory assembled of 11- and 14-gauge stainless steel.
- Seam welding reinforces joint strength and other points of pressure.
- Reinforced to withstand up to 20" w.g., positive or negative.
- The smooth air-inlet housing design helps to limit the collection of contaminants in small crevices of the housing. This helps to avoid deterioration of pre and final filters which can allow dirty, toxic air bypass.
- A removable access door on each level of filters insures convenience of installation and safety of replacement. Door latches provide exceptional strength of seal on each access door.
- A removal rod is provided in housings where two or more filters are installed on one level. The rod is used to pull filters to an accessible, convenient changeout position.
- Installation flanges are included on units. Custom flanges are available upon request.



- A safety filter locking mechanism prevents the filter locking arm and the access door from latching until all the filters are correctly seated in the housing and sealed to the mounting frame.
- 12-gauge bolt-driven lock, with 1400 lb. locking mechanism for gasket seal application.



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- All housings come with a durable PVC filter change bag. By covering the opening around the bag-out port, the bag provides maximum safety and convenience for personnel responsible for filter changeout.
- A safety strap is provided around each bag-out port to further secure the bag during filter removal.
- Each housing is pressure decay tested in accordance with ANSI-N510-1980 up to 10" w.g.

## Options

- Weatherproofing: Refers to a pitched roof of 14-gauge stainless steel material; also includes rainguard over the door.
- Double wall insulated construction: Each housing door is insulated with a 1" fiber board between two (2) pieces of stainless steel.
- Custom flanged housings: All housings are available with custom flanges to match air handler specifications. Contact factory for information.
- High temperature/pressure units: For high temperature applications, special silicone seals are used to withstand conditions up to 500°F. High pressure vessels with special construction are available—contact factory for information.

## Filter Selection

Filters selected should be at least 99.97% efficiency ULTRA-CELL® HEPA filters. Consult job specs for filter efficiency requirements.

## Housing Options

The following housing options are available with the HEPA PURO Seal BBH:

CB	Constructed of 14-gauge 304 stainless steel	LL	Lifting Lugs
BA	Bottom access	DW	Double-wall insulated
AL	Left-hand access	DD	Double Door
VF	Vertical Flow	U	Universal Frame
WP	Weatherproof	SP	Static pressure port
IN	Insulation	SG	Static pressure gauge (not installed)
EP	Epoxy Coating	SI	Static pressure gauge (installed)
HP	High pressure	T	Transition
HT	High Temperature		
DF	Drilled Flanges		

## Calculating housing depths

Upstream flange:

Top/bottom—4"  
Side—1-1/2"

Downstream flange:

Top/bottom—2-3/4"  
Side—1-1/2"

With no pre-filter:	24"
With 2" pre-filter:	36-1/2"
With 4" pre-filter:	36-1/2"
With 6" pre-filter:	36-1/2"

## Dimensions

Height	Dimension
1. . . . .	29-3/4"
2. . . . .	59-1/2"
3. . . . .	89-1/2"
4. . . . .	119"

Width	Dimension
1. . . . .	27"
2. . . . .	51"
3. . . . .	75"

All dimensions are outside dimensions and are noted in foot or half-foot increments. Dimensions are calculated based on specification of nominal size 24 x 24 filters. For other size data, contact factory.



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