

# Single-Round Bag Filter Housing

## 150 PSI - Bag Filters

**Clear Blue Filtration** Single-round commercial grade side inlet bottom outlet bag filter housings are designed for industry standard size #1, #2, #3, #4 and #12 filter bags or perforated mesh lined baskets to maximize functionality and service in the field. CBF's commercial grade bag housing design features reduce downtime and are constructed with high quality materials and workmanship.

### Standard Features:

- ASME Section VIII, Div. 1 design code with U-Stamp manufactured and certified by LaGrange Products, Inc.
- Adjustable tripod leg assembly in carbon steel
- Closure hardware - Three - SA193 B7 eye-bolts and SA194 2H eye nuts
  - Hardware zinc plated black dichromate
- Compatible with commercially available standard size #1, #2, #3, #4 and #12 liquid bag filters with sewn in metal or plastic rings or perforated mesh lined baskets
- Data plate is Stainless Steel for long term legibility and over-sized to accommodate Customer data
- Differential pressure gauge bracket
- Exterior Finish:
  - Carbon Steel housings painted on the outside with CRE 153 white primer base coat and CBF blue polyurethane top coat
  - Stainless Steel housings have glass bead blast finish
- Flat swing bolt removable cover with handle
- Formed support legs minimizes sharp edges for improved safety while servicing filters and provides for stronger paint adhesion
- Heavy service electropolished 316 Stainless Steel baskets with  $\frac{9}{64}$ " perforations
- O-ring seal for quick & leak free cover sealing
- Swing bolt closure for fast bag replacement (reducing down time)
- Viton® o-ring cover and basket seals for higher temperatures and greater media compatibility
- 150 psi design operating pressure @ 300°F design operating temperature
- Side inlet bottom outlet or side inlet opposite side outlet connections are standard
- $\frac{1}{2}$ " NPT drain
- $\frac{1}{2}$ " NPT vent
- $\frac{1}{4}$ " NPT differential pressure gauge ports
- 316 SS electropolished Omega bag hold down spring
- 316 SS basket retainer



### Key Process Applications:

(a short list as an example of Key Process Applications)

- Chemicals
- Coatings
- Coolants
- Cutting Oils
- Desalination
- Edible Oils
- Lubricants
- Potable Water
- Process Water
- Solvents, Paints
- Waste Water

### Industries Served:

(a short list as an example of Industries Served)

- Automotive
- Electronics
- Fine Chemicals
- Food and Beverage
- Marine
- Metal Working
- Oil and Gas
- Petrochemicals
- Pharmaceuticals and Biotech
- Pulp and Paper
- Water Treatment

# SR-SIBO COMMERCIAL GRADE SERIES | Single-Round Bag Filter Housing – 150 PSI - Bag Filters



## Single Round - SIBO – Commercial Grade Bag Housings – CG-150 PSI

Part Number/Order Number			Trade Bag Size #	Qty of Bags	Typical Flow GPM*	NPT Inlet & Outlet ** (inches)	Approx. Weight (lbs.)
CS	304	316					
BH-0414-0201	BH-0414-0202	BH-0414-0203	3	1	25	1.5	25
BH-0420-0126	BH-0420-0127	BH-0420-0128	4	1	50	1.5	30
BH-0826-0020	BH-0826-0022	BH-0826-0024	1	1	100	2	65
BH-0839-0021	BH-0839-0023	BH-0839-0025	2	1	200	2	75
BH-0840-0096	BH-0840-0108	BH-0840-0116	12	1	275	2	100

\* Suggested GPM flow rate based on water flow through standard strainer basket only. Consult bag filter literature for actual flow rate. Dimensions for reference only.

\*\* Other Custom Configurations Available.

(1) This flow rate applicable to all series of this model prefix #: BH-0414  
 (2) This flow rate applicable to all series of this model prefix #: BH-0420  
 (3) This flow rate applicable to all series of this model prefix #: BH-0826  
 (4) This flow rate applicable to all series of this model prefix #: BH-0839  
 (5) This flow rate applicable to all series of this model prefix #: BH-0840

### Options and Accessories:

- Additional certifications available such as Canadian Registration (CRN), Australian Registration (AS 1210), Pressure Equipment Derivative (PED), CE and others
- 300 PSI design and other pressure ratings available
- 3,000 lb. street elbow available in Carbon Steel, 304 SS or 316 SS
- Additional ancillary connections
- Bag magnets
- Connection types available – flange, groove, metric, NPT, Tri-clamp; to name a few
- Custom designs per Customer specifications as well as size #7, #8, #9 and both Ronninger Petter and Commercial Filters for size #1 and #2 bag housings
- Custom paint options
- Data books
- Differential pressure gauge kit (gauge, fittings and tubing)
- Flanged vents and drains
- Inlet/outlet location, various sizes and various type connections available
- Liquid displacers
- Material of construction: Carbon Steel, Duplex Stainless Steel, 304/L or 316/L Stainless Steel
- O-ring materials (Buna-N, EPDM, Silicone and Teflon™ Encapsulated)
- Perforated baskets with mesh liners
- Silicone free certification
- Stainless Steel hardware
- Vent and drain sizes
- Weld neck flanges