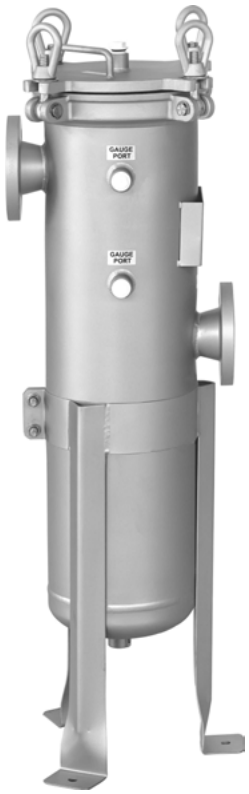
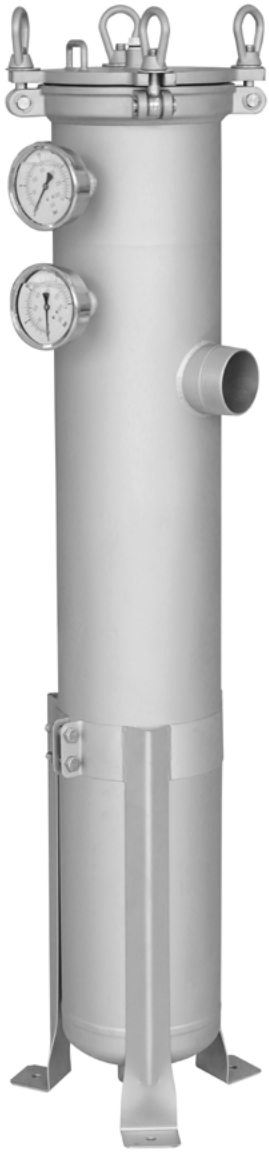
"High-Flow" Liquid Filter Housings with Swing Bolt Closure - Vertical

Manufactured of AISI304 or AISI316L stainless steel, these vertically-oriented single- and multi-cartridge housings accept Pall-type high-flow filter cartridges in 20" and 40" lengths. The swing-bolt closure provides ease of servicing and safe operation. Common industrial applications include: food & beverage production, chemical & refinery processes, oil & gas, water filtration, pulp & paper, metal finishing, and power generation. They're a standard choice to support higher flow rate applications with abundant options for cartridge media and retention ratings.

LEGIONELLA CONTROL
Point of Entry
Hot Water Loop Housings





Shown with optional pressure gauges.

Features

- Rugged swing-bolt closure allows easy access for cartridge changes
- Strengthened, welded legs provide a stable and durable installation
- 150 psi (10 bar) operating pressure rating
- Designs adhere to requirements of the ASME Pressure Vessel Code. "U" and "CE" Code stamping options are available.
- Can support flow rates to 300 GPM

Applications

- Suitable for the broadest range of industrial applications from process fluid streams for water, aqueous solutions, oils, and fine chemicals
- Used in food and beverage production: filtration of juices, syrups, food ingredients, and bottled water

Product Quality

- Manufactured within an ISO 9001:2015 certified quality management system
- Certification of Quality document can be provided upon request

Surface Finish

Surface Quality:	Glass beaded finish is standard
	Industrial electropolish option

Materials of Construction

Shell Components:	AISI304 or AISI316L Stainless Steel
Seal Options:	EPDM (standard) SILICONE, NBR, FKM

Operating Conditions

Operating Temperature:	121°C (250°F) max.
Design Pressure:	10 bar (150 psi)

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Ordering Information

E-SBHFV — □□ x □□ — □□□ — □□□□ — □ — □□□

Cartridge Qty
{blank} = 1
2 thru 12 = 2 thru 12

Cartridge Length
20 = 20"
40 = 40"

Main Ports
2FN = 2" FNPT
3FN = 3" FNPT
2F thru 8F = 2" to 8" RF Flange

Material
304 = AISI304
316L = AISI316L

Seals
E = EPDM
S = Silicone
B = NBR
V = FKM

Options, Standard
EPM = electropolish interior & mechanical polish exterior
U = ASME Code stamped; NB listed
CE = CE stamped

Note: Other port sizes, pressure ratings, and optional constructions may be available. Please inquire.

Dimensional prints are available upon request.

Recommended Maximum Flow

Flow Rate (GPM) vs. Pressure Drop for Housings of Various Port Sizes, with water

	1 psid	2 psid
3"	120	230
4"	210	340
6"	520	780
8"	950	1,380
10"	1,600	2,240
12"	2,160	2,920

This data can be used as a guide for selecting a housing for an application. It's common to set a maximum recommended flow rate through a housing based on a allowable pressure loss of 1 or 2 psid. Also consider the pressure drop contributed by the selected filter cartridges to approximate the total pressure drop of the system.

LEAD FREE
NSF/ANSI/CAN 61
IAPMO R&T
C ®
Certified to NSF/ANSI/CAN 61 for material safety requirements only.
Certification includes only the "E", "B", and "S" seal options, and for use temperature to 86° F.