

PROCESS FILTRATION

From Pure to Sterile

L-BH Liquid Bag Housings

MAIN FEATURES & BENEFITS

- Housings for industrial and commercial filter applications with viscous and highly contaminated liquids
- Heavy-duty 304 L stainless steel construction
- Adjustable stainless-steel leg assembly
- Easy cleaning & bag change-outs
- CFR (Code of Federal Regulations) Title 21 & EC/1935/2004 approved for direct food contact



PRODUCT DESCRIPTION

The L-BH Bag Housings are designed for industrial and commercial filter applications with viscous and highly contaminated liquids.

They feature heavy-duty 304 tL stainless-steel constructions for maximum durability and are a reliable solution for pre-, coarse and bulk liquid filtration.

Due to that optimized construction with heavy-duty swing bolt closure they are ideal for larger flow applications and offer low differential pressure. The different sizes of housings with various connections make it possible to adopt the filter system to exactly the needed requirements.

Due to the low profile a simple bag change is guaranteed.

The housing materials meet the requirements of the FDA (Food and Drug Administration), CFR Title 21, and (EC) No. 1935/2004 for food contact use.

APPLICATIONS

The L-BH Bag Housing is developed for filtration of following liquids:

- Water
- Food & Beverage
- Oil
- Coolants
- Chemicals
- Inks/Paints/Coatings
- Pulp & Paper

INDUSTRIES



- Beverages



- Soft Drinks and Water



- Food manufacturing



- Food processing



- Dairies

PRODUCT SPECIFICATIONS

Features	Single Bag Housing	Multi-Bag Housing
Quantity Bags	1	3, 5, 6, 8, 10, 12, 24
Available Bag Sizes	1 & 2	2
Max. Temperature	100 °C	100 °C
Max. Operating Pressure	10 bar	10 bar

QUALITY ASSURANCE

All products have been inspected and released by Quality Assurance as having met the following requirements:

- All filters are fabricated without the use of chemical additives.
- The processes are conducted according to the Company Quality Management System in compliance with EN ISO 9001.
- All housings are designed in accordance with Pressure Equipment Directive 2014/68/EU.
- Our standard housings are not suitable for CIP applications. Suitable housings are available on request.

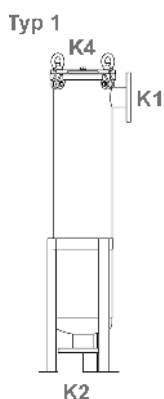
MATERIAL DECLARATION (US & EU)

All components of the L-BH Bag Housing are FDA listed for food contact use in the Code of Federal Regulations (CFR), Title 21. Donaldson Filtration Deutschland GmbH confirms that all materials used for the L-BH Bag Housing meet regulatory and legislative requirements and guidelines for food contact use as detailed in following European Regulations: EC/1935/2004 and EC/10/2011.

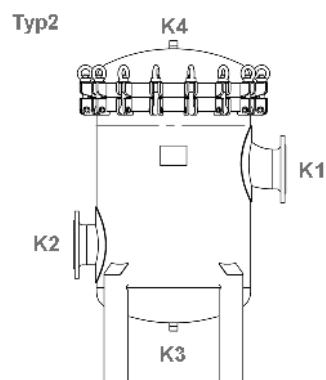
Filter Materials		CFR Title 21
Head / Shell	Stainless-steel 304L	§ 211.65
Mounting Legs	Stainless-steel 304L	§ 211.65
Gaskets	EPDM	§ 177.2600
Surface	Sandblasted stainless-steel 304L	§ 211.65

AVAILABLE CONNECTION TYPES

Housing Type	Material	Inlet / Outlet Configuration	Inlet / Outlet Connections	Dimensions of Connections
Single-Bag Housing	304L stainless-steel	Type 1	Flange	Flange 2" (DN 50)
				Flange 2 ½" (DN 65)
			DIN 11851	DIN 11851 milk pipe connection
			BSP-F 2"	Muff 2", thread BSP inside
			BSP-F 3"	Muff 3", thread BSP inside
Multi-Bag Housing	304L stainless-steel	Type 2	Flange	Flange 4" (DN 100)
				Flange 6" (DN 150)
				Flange 8" (DN 200)
				Flange 10" (DN 250)

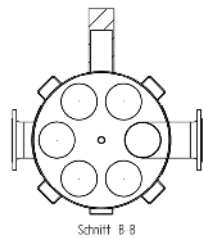
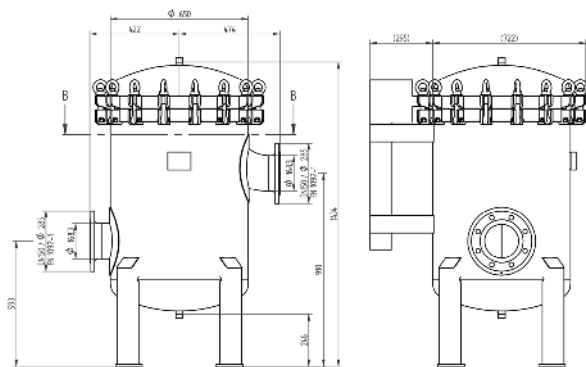


K1: Inlet
K2: Outlet
K3: Vent
K4: Drain

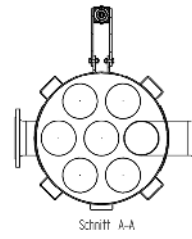
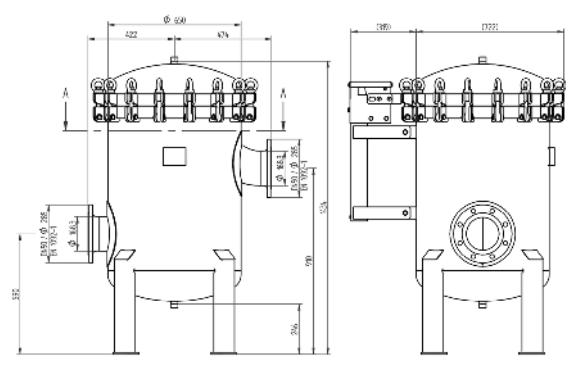


Housing Type	Available Bag Size	Quantity Bags	Max. Flow Rate [m³/h]	Dimensions			
				Installation Dimension	Height	Depth	Ø Vessel
Single-Bag Housing	1	1	20	182	adjustable	-	219,1
	2	1	40	179	adjustable	-	219,1
Multi-Bag Housing	2	3	120	672	1367	845	475
	2	5	200	896	1434	1017	650
	2	6	240	896	1434	1041	650
	2	8	320	1047	1503	1226	800
	2	10	400	On Request			
	2	12	480	On Request			
	2	24	750	On Request			

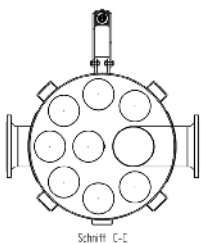
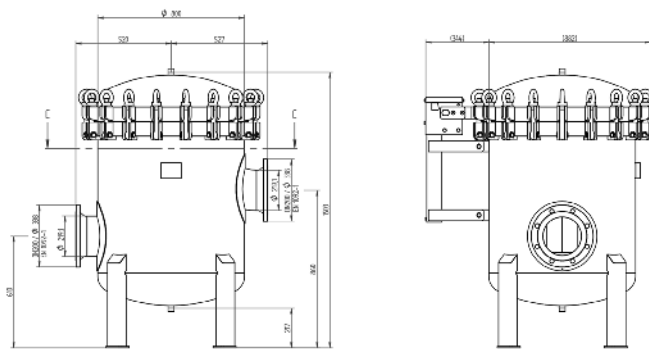




Multi-Bag Housing for 5x #2 bag with
Flange connection (Typ 2)



Multi-Bag Housing for 6x #2 bag with
Flange connection (Typ 2)



Multi-Bag Housing for 8x #2 bag with
Flange connection (Typ 2)



donaldson.com

Donaldson Company, Inc.
Minneapolis, MN

Contact us



Important Notice: Many factors beyond the control of Donaldson can affect the use, performance, or results of Donaldson products or services in a particular application, including the conditions impacting how the products or services are selected, used, installed, or maintained. Because these factors are uniquely within the user's knowledge and control, it is essential the user evaluate both the products and any related services to determine their suitability for the user's intended purpose and application, including fitness for the particular purpose. All products, services, product specifications, availability and data are subject to change without notice and may vary by region or country.