PALL Life Sciences

USD 2013[1]

Advanta In-Line Filter Housings

Advanced sanitary filter housings for liquid and gas applications

Description

The 'Pall' 'Advanta' range of filter housings has been specifically designed and engineered for today's manufacturing processes. These advanced housings are manufactured from 316L stainless steel and are engineered to meet the requirements of the Pharmaceutical, Biotechnology, Cosmetics and Food and Beverage industries. State-of-the-art manufacturing technologies are used to construct a housing ideal for the most critical of applications.

Fine filtration of liquids and gases is a key part of many production processes. These **Advanta** housings have been specifically designed to meet the many requirements of these demanding applications. Optimisation of critical features during the design process has provided a housing range which ensures trouble-free use and low installation and maintenance costs. Areas included in this process were:

- Surface finish
- Suitability for SIP and CIP
- Integrity testing
- Incorporation into automated production processes

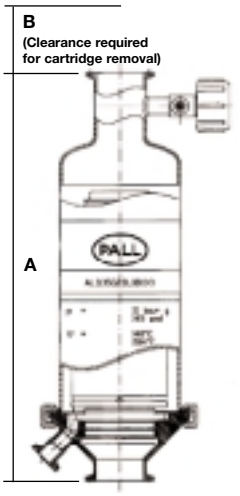
Features and benefits

- Aseptic design
  - Ground flush, crevice free welds
  - Electropolished surfaces (internal Ra value <0.4µm)
  - Fully self draining
  - No dead legs
- Low hold-up volumes for maximum product recovery
- Quick fit 'Staubli'-type connections or easy filter integrity testing.
- 'Low Point' sanitary drain valve provides easy and complete draining of filter housing
- Use in automated systems enhanced by range of options
- Quality certificate confirming high quality standards
- CE marked in accordance with Pressure Equipment Directive 97/23/EC

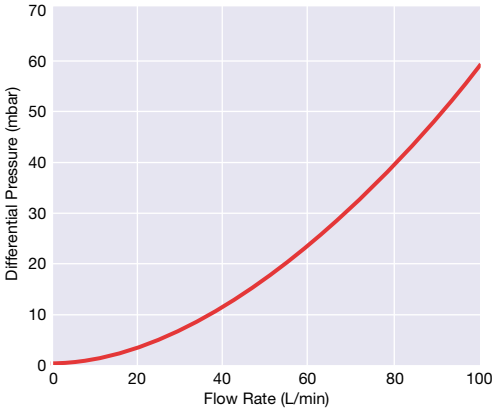
Technical Information

Dimensions

Pall Housing Part Number	A(mm)	B(mm)	Weight
ALI105G23LABH4	301	150	2.2
ALI105G23LDDH4	301	150	2.2
ALI11G23LAAH4	437	310	2.6
ALI11G23LABH4	437	310	2.6
ALI11GA23LDDH4	437	310	2.6
ALI12G23LABH4	688	564	3.5
ALI12G23LDDH4	688	564	3.5
ALI13G23LABH4	961	818	4.3
ALI13G23LDDH4	961	818	4.3



Typical Water Flow vs Differential pressure*



*The flow/pressure drop characteristics refer to the empty housing only for water at 20°C. For other liquids multiply pressure drop by relative density. To obtain the total pressure drop of a complete filter assembly, the cartridge pressure drop must be added.

Gas Filtration:
This housing style is suitable for use in the filtration of gases and the In-Line design ensures the pressure drops are exceptionally low. Pall recommend using the cartridge pressure drop when calculating the system pressure drops. Please refer to the relevant cartridge literature or contact Pall.

Specification

Maximum Operating Pressure	10 bar g
Maximum Operating Temperature	140°C
Materials of Construction	Housing - AISI 316L stainless steel Clamp - AISI 314 stainless steel Seal - Silicone elastomer
Surface Finish	Electropolished, typically <0.4 µm R_A value
Inspection Documentation	Test report type 2.3 to EN10204

Main Accessories and Spares	
Pall Part Number	**Description**
ACS0598CM	Diaphragm valve kit for ½"Triclamp connection to ISO 2852 (includes clamp and gasket)
ACS0429EU	Silicone housing closure gasket
ACS0602EM	Silicone housing valve gasket kit
Further spares and accessories on request	

Ordering Information

Pall Part Number: **ALI1** [ ] **G** **23L** [ ] [ ] **H4**

Code	Filter Cartridge Type
05	AB02/AB05 Code2
1	AB1 Code7
2	AB2 Code 7
3	AB3 Code 7

Code	Vent Connection
A	Sanitary valve coupling to **Staubli** type RBE.03
D	½"**Triclover** compatible

Inlet / Outlet
1½"**Triclover** compatible

Code	Drain Connection
A	Sanitary valve coupling to **Staubli** type RBE.03
B	Sanitary valve with hosetail for 6mm ID Tubing
D	½"**Triclover** compatible

Seal Material**
Silicone

**Other materials available upon request. Please contact Pall.

PALL Life Sciences

New York - USA
Phone: (01) 516 484 5400
Fax: (01) 516 625 3610
e-mail: pharmafilter@pall.com

Portsmouth - U.K
Phone: +44 (0)23 9230 3303
Fax: +44 (0)23 9230 2506
e-mail: UltrafineUK@pall.com

Filtration. Separation. Solution.sm

Visit us on the web at www.pall.com/biopharmaceutical

Pall Corporation has offices and plants throughout the world in locations including: Argentina, Australia, Austria, Belgium, Brazil, Canada, China, France, Germany, Hong Kong, India, Indonesia, Ireland, Italy, Japan, Korea, Malaysia, Mexico, the Netherlands, New Zealand, Norway, Poland, Puerto Rico, Russia, Singapore, South Africa, Spain, Sweden, Switzerland, Taiwan, Thailand, United Kingdom, the United States and Venezuela. Distributors are located in all major industrial areas of the world.

PELEH/ZU.SH/CS/04.2000
2013th/CS/06.2001