



"A leading worldwide supplier of high efficiency filters for a variety of industries and applications."

ONSTREAM LIQUID FILTER HOUSINGS

Our Onstream Filter Housings are ideal for a variety of liquid purification solutions. Port sizes available are 1/2", 3/4" or 1" NPT.

Choose from a variety of off the shelf, disposable or re-cleanable DOE cartridges. Our disposable elements include spun polypropylene and pleated cartridges. We also offer a wide range of re-cleanable pleated stainless steel cartridges from 5 micron up to 500 micron.

Our extensive range of housings and elements can be used for coolant, process water, paint, or petro-chemical applications. Our selection affords accurate solutions based upon the contaminants to be removed, the level of filtration, and the relative importance of cost, and element life.



Features:

- One-Piece Bowl For Quick & Spill Free Element Service
- Extra Bottom Reservoir Capacity For Sediment Deposit Collection
- Wide Variety Of Filter Element Available
- 250 PSIG Maximum, 1/2", 3/4" And 1" NPT Port Sizes

Applications:

- Food Processing
- Corrosive Liquid Service
- Batch Service Filtration

TECHNICAL INFORMATION

Housing Model	SLH818	SLH820	SLH895
Port Size (NPT)	1/2", 3/4" or 1"	1/2", 3/4" or 1"	1/2", 3/4" or 1"
Drain Type (NPT)	1/8"	1/8"	1/8"
Maximum Pressure (psig)	250	250	250
Maximum Temperature (°F)	400	400	400
Principle Dimensions: (inches)			
Head Diameter	4.00	4.00	4.00
Overall Length	8.875	13.75	23.875
Cartridge Length	4.875	9.875	19.875
Element Removal Clearance	1.50	1.50	1.50
Filter Element Codes:			
Spun Polypropylene (P) (1)	LE-818-P□	LE-820-P□	LE-895-P□
Pleated Polypropylene (PL) (2)	LE-818-□PL	LE-820-□PL	LE-895-□PL
Pleated Stainless Steel (SS) (3)	SS-818-□V	SS-820-□V	SS-895-□V
Carbon Adsorbent (CC)	LE-818-CC	LE-820-CC	LE-895-CC
Materials Of Construction:			
Head, Internals, & Bowl	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel
Seals (Standard)	Viton	Viton	Viton
Accessories:			
Stainless Steel Drain	SS PET100-1/8"	SS PET100-1/8"	SS PET100-1/8"
EPDM Seal Set	GESLH	GESLH	GESLH
PTFE Seal Set	GPSLH	GPSLH	GPSLH
Viton Seal Set (Standard)	GVSLH	GVSLH	GVSLH

- Notes: (1) Micron sizes available 1, 5, 25, 50, 75, and 150
 (2) Micron sizes available 0.5, 2, 10, 25, 50, 75, and 100
 (3) Micron sizes available 5, 10, 25, 50, 75, 100, 250, and 500

LIQUID FILTER CARTRIDGES

A wide range of applications can be serviced with our disposable polypropylene pleated filter elements, with EPDM gaskets. Onstream Pleated Cartridges are effective for use in applications that require an economical way to reduce particulate levels. The pleated design extends surface area and assures high flow rates for maximum throughput. An interior and exterior perforated polypropylene support core allows the elements to be used in either flow direction.



Features:

- FDA Listed Polypropylene Components
- Variety Of Microns Available
- Rigid Construction Maintains Lower Pressure Drop
- Wide Chemical Compatibility
- Longer On Line Service Reduces Costly Maintenance Time

Applications:

- Corrosive Liquids And Gases
- Cryogenics
- Recovery Of Precious Particulate
- Hydraulic Oil Filter
- Clean In Place (C.I.P.)

ORDERING GUIDE FOR PLEATED POLYPROPYLENE

Prefix	Length Code	Nominal Length	Suffix	Micron Rating
LE	818	818 = 4.875"	005PL	0.5
LE	820	820 = 9.875"	01PL	1
LE	895	895 = 19.875"	10PL	10
LE	897	897 = 29.875"	25PL	25
Example Part Number:			50PL	50
LE – 820 – 50PL			90PL	90

Our Polyspun filter cartridges are nominally rated 100% pure polypropylene filters. A high performance process, using very fine diameter fibers, which build up producing spun bonded layers, give the filter its depth. This process results in an element with excellent pore size consistency and very high void volumes. The outer layers contain different graded pore sizes, which act as pre-filtration by removing larger particles from the stream, leaving smaller particles to be trapped by the fine fibers of the inner layer. The use of very fine fibers – typically between 1 and 5 micron – creates many more pores than is possible with large fiber which results in open volumes in excess of 65% which in turn provides longer service life.

ORDERING GUIDE FOR POLYSPUN

Prefix	Length Code	Nominal Length	Suffix	Micron Rating
LE	818	818 = 4.875"	P01	1
LE	820	820 = 9.875"	P05	5
LE	895	895 = 19.875"	P25	25
LE	897	897 = 29.875"	P50	50
Example Part Number:			P75	75
LE – 820 – P100			P100	100
			P150	150

STAINLESS STEEL PLEATED ELEMENTS

Our pleated stainless steel elements are designed to fit our Onstream single element housings. Pleated stainless steel elements provide excellent strength, and are ideal for a variety of demanding applications where disposable elements have limited specifications.

The SS pleated elements are designed to fit our Onstream liquid housings and other proprietary brands.



Features:

- Pleated Stainless Steel
- Durable And Cleanable
- Welded No Adhesives
- Exceptional Chemical Resistance
- Built In Support Core

Applications:

- Corrosive Liquids And Gases
- Cryogenics
- Viscous Fluids
- Recovery Of Precious Particulate
- Hydraulic Oil
- Clean In Place (C.I.P.)

ORDERING GUIDE FOR STAINLESS STEEL PLEATED

Element Material	Nominal Length	Micron Rating	Seal Material
SS = 304L Stainless Steel	818 = 4.875"	5	B = Buna N
SS316 = 316L Stainless Steel	820 = 9.875"	10	V = Viton
	895 = 19.875"	20	T = Teflon
	897 = 29.875"	50	
		100	
		150	
		200	
Example Part Number: SS – 820 – 100 – V			