

# Series SSSH

## Sanitary Stainless Steel Housings

### SSSH Series

Sanitary Stainless Steel Housing

#### APPLICATIONS:

- ◇ Beverages
- ◇ Biologicals
- ◇ Electronics
- ◇ Tank Vents
- ◇ Process Water
- ◇ Fine Chemicals
- ◇ Pharmaceuticals
- ◇ High Purity Water

#### Features

- Aseptic Design ◇
- Maximize Product Recovery ◇
- Easy to use low point drain valve ◇

#### Benefits

- Removable for Cleanability ◇
- Ease of filter change-out ◇
- Fully Self draining ◇
- No Dead Legs ◇
- Crevice Free Electropolished surfaces with ◇
- < 25 RA internal surfaces



## SANITARY STAINLESS STEEL HOUSING

The Single Element Sanitary Stainless Steel Housings are designed for High Purity applications. In-Line and T-Style housings are available to meet your process specifications.

The housings are constructed of 316L stainless steel and are designed to meet the requirements of the BioPharmaceutical Industry. The housing is available in sizes from 5 inch to 40 inch to meet the flow rate requirements of your application.

You can choose from either 222 or 226 o-ring style, with machined cartridge connections. The design of the housing provides for a positive seal with filters thereby preventing fluid bypass. The machined seat plate provides lower pressure drops in air & gas applications. Machined seat plates also insure easier cleanability and no hold volume as with seat cups. The housing is sealed by means of a Tri-clamp that requires no special tools to open or close.



**International Filter Products**

Innovative System Solutions

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# Series SSSH

## Sanitary Stainless Steel Housings

ELEMENT LENGTH	"A" DIMENSION
5.0 "	233 mm
10.0 "	360 mm
20.0 "	614 mm
30.0 "	868 mm
40.0 "	1122 mm

### Materials of Construction:

Head:	316L Stainless Steel
Bowl:	316L Stainless Steel
Clamp:	304 Stainless Steel
Legs:	304 Stainless Steel
Vent/ Drain:	316L Stainless Steel
O-Rings:	Silicone, EPDM, Buna N, or Kalrez

### Cartridge Dimension (nominal)

Lengths (in) 5, 10, 20, 30 and 40

### Connections:

Inlet/ Outlet: 1.0" or 1.5" Sanitary Flange  
Vent/ Drain: 1/4 " valve w hose barb or 1/2 " TC

### Finish:

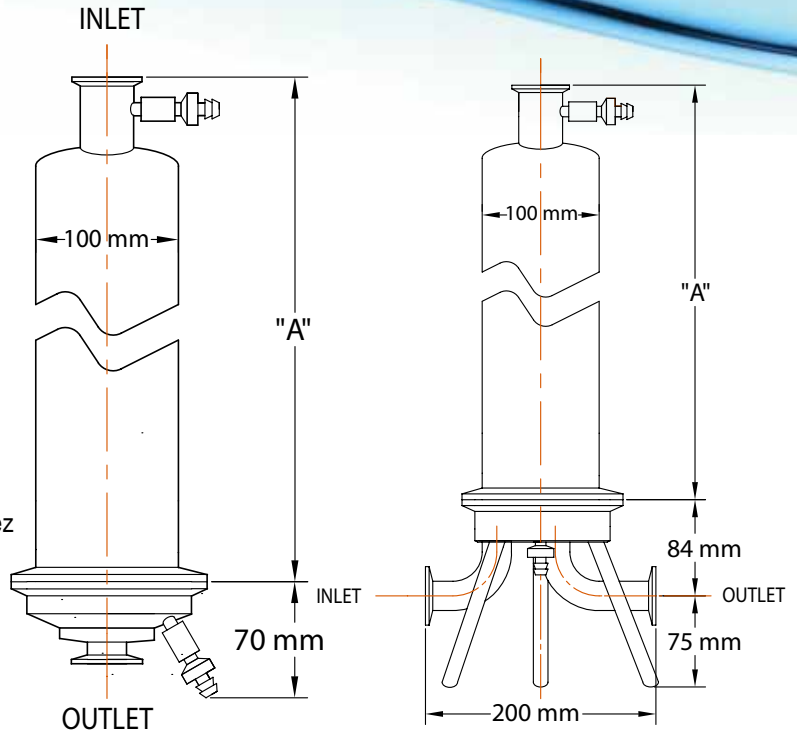
Electropolished < 25 RA

### Operating Conditions:

Max Operating Pressure, 125 PSI (10 Bar) @212 F (100 C)

### Cleaned & Packaged:

Cleaned per specification NAS 1638, Class 5 on a Class 100 flow bench and packaged



### NOMENCLATURE

PART NUMBER EXAMPLE: 01-0210-A-1-222-1-1-G-C

Housing Style	Style #	Element Length	Inlet/Outlet	O'Ring Style	Vent/Drain	Seal	Gauge	Inlet/Outlet
	XX-XXXX	-X	-X	-X	-X	-X	-X	-X
T-Style	01-0210	A = 5.0"	1 = 1.0" TC	222=222	1 = 1/4" Valve	1 = Silicone	0 = Blank	Blank = No Cleaning
In-Line	01-0212	1 = 10.0"	2 = 1.5" TC	226=226	2 = 1/2" TC	2 = EPDM	G = Pressure Gauge	C = Cleaning
		2 = 20.0"				3 = FDA, Buna N	GG = Pressure Gauge + Gauge Guard	
		3 = 30.0"				4 = Kalrez		
		4 = 40.0"						



## International Filter Products

904 N. Frederic Street, Burbank, California 91505  
Phone: 818-841-2702 Fax: 818-841-2947  
www.internationalfilterproducts.com

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# REVISIONS

ZONE	REV	E.D.N.	DESCRIPTION	DATE	APPROVED
	1		PRODUCTION RELEASE	10/6/2010	CDM

1.5 INCH TC

4.000

14.170

2.965

3.084

8.062

1.0 INCH I/O TC

INLET

1/4" VENT VALVE

1/4" DRAIN VALVE

## NOTES:

1.0 DESIGN PRESSURE 125 PSI (8.0 BAR) @ 212 F (100 C)

2.0 FINISH INTERNAL: 15 RA; EXTERNAL 25 RA

3.0 UNIT IS DESIGNED TO ACCEPT FILTER CARTRIDGE,  
10" LONG X 2.75 DIA WITH FIN AND 226 O-RINGS

4.0 FILTER HOUSING IS DESIGNED AND BUILT PER ASME 2010  
DIVISION I SECTION VIII

5	1	01-0431	TRI CLAMP ASSY	SS 304
4	3	01-0430	LEG	SS 304
3	1	01-0429	SEAL - 4.0" TC - NOT SHOWN	PTFE
2	1	01-0428	BOTTOM ASSY	SS 316L
1	1	01-0427	CENTER PIPE ASSY	SS 316L
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL

## BILL OF MATERIALS

DRAWN CD Morland	10/6/2010	<b>International Filter Products</b>			
CHECKED		904 N. FREDERIC ST. BURBANK, CA 91505		PHONE: 818-841-2702 FAX: 818-841-2947 email: cdmorland@sbcglobal.net	
APPROVED		TITLE			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		T-TYPE FILTER HOUSING - 10"			
DECIMALS X +/- .030 XX +/- .015 XXX +/- .005	FRACTIONS +/- 1/16 ANGLES +/- 1/2 SURFACE ROUGHNESS 125				
CONCENTRICITIES .010 (FIM) INTERNAL RADII .015~.030 BREAK CORNERS .005~.015		SIZE A	ISOF NO	DWG NO 01-0210-1-1-226-1-1	REV 1
SCALE		NA	WEIGHT	SHEET 1	OF 1

4

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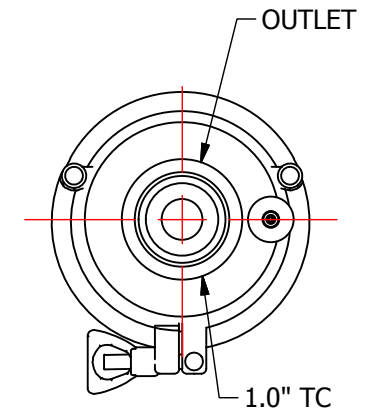
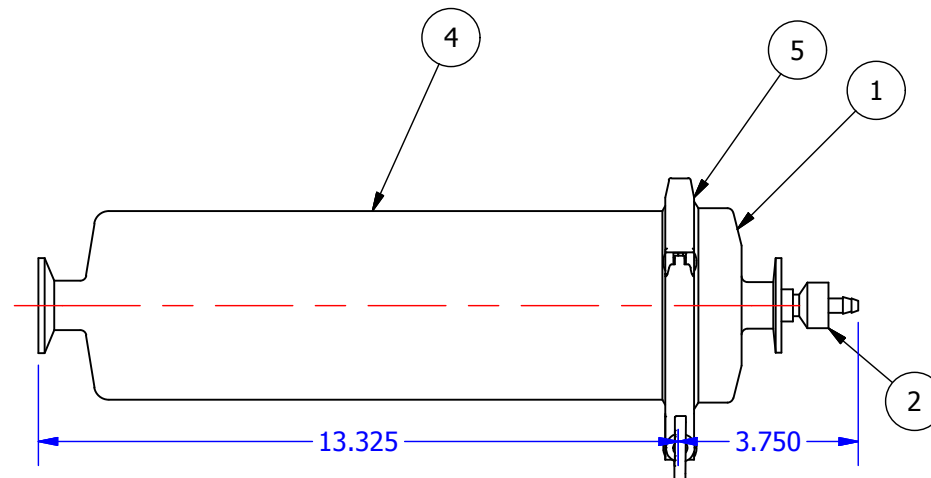
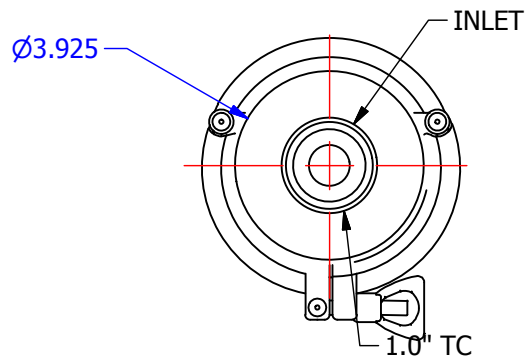
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## REVISIONS

ZONE	REV	E.D.N.	DESCRIPTION	DATE	APPROVED
	1		PRODUCTION RELEASE	4/27/2010	CDM



## NOTES:

- 1.0 ALL WETTED SURFACES ARE 316 L SS PER ASTM-BPE
- 2.0 MAX. OPERATING PRESSURE: 125 PSI (8.8 BAR) @ 212 F (100 C).
- 3.0 FINISH: EXTERIOR, ELECTRO-POLISHED < 25 RA  
INTERIOR, ELECTRO-POLISHED < 15 RA
- 4.0 INLET: 1.0" TRI-CLAMP
- 5.0 OUTLET: 1.0" TRI-CLAMP
- 6.0 BOWL CONNECTION: 4.0" TRI-CLAMP
- 7.0 DRAIN VALVE: 1/4" 316 I WITH HOSE BARB OUTLET
- 8.0 BOWL TRI-CLAMP IS 304 SS
- 9.0 SEALS: SILICONE
- 10.0 FILTER: ACCEPTS 2.75 DIA, 10" LONG, 226 O-RINGS W/FIN

5	1	01-0431	TRI CLAMP ASSY	304 SS
4	1	01-0294	Center Pipe	316 L ASTM-BPE
3	1	01-0293	Seal - Main Body - NOT SHOWN	SILICONE
2	1	01-0292	1/2 Vent Valve	316 L ASTM-BPE
1	1	01-0291	Bottom Head	316 L ASTM-BPE
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL

## BILL OF MATERIALS

DRAWN  
CD Morland  
CHECKED  
APPROVED

4/27/2010

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UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
DECIMALS FRACTIONS +/- 1/16  
X +/- .030 ANGLES +/- 1/2  
XX +/- .015 SURFACE ROUGHNESS 125  
XXX +/- .005  
CONCENTRICITIES .010 (FIM)  
INTERNAL RADII .015~.030  
BREAK CORNERS .005~.015

TITLE				
SANITARY - IN-LINE FILTER HOUSING				
SIZE <b>A</b>	ISOF NO	DWG NO <b>01-0212-1-1-226-1-1</b>	REV <b>1</b>	
SCALE NA	WEIGHT	SHEET <b>1</b> OF <b>1</b>		