

# STEAM FILTER HOUSINGS – SCK SERIES

## Features:

- 316L Stainless Steel Construction
- Cost Effective Rugged Design
- Remove Liquid & Solid Contamination
- Re-cleanable SS Elements Available
- Prevent Wet Packs And Stained Instruments
- No Tools Needed During Service

## Applications:

- Hospital Autoclave Protection
- Food And Dairy Plants
- C.I.P. Systems



Our rugged, cost effective design is a simple solution to improve overall steam quality. The SCK Series can remove large amounts of liquids and solid contamination. The standard 70ZZ disposable cartridge is rated at 98% removal of 0.01 micron liquids and solids. An automatic steam trap is recommended to constantly drain condensation.

Re-cleanable stainless steel sintered filter elements are also available, designated (01, 03, 10, 25, 50, 100 & 200) with a 98% removal rating. Grade 25 is recommended for removal of fine pipe scale and bulk condensate. The 25 micron provides high performance while allowing generous flow through the system.

## PRINCIPLE SPECIFICATIONS

Housing Model	150SCK	151SCK	152SCK
Port Size (NPT)	1"	1 1/2"	2"
Drain Type (NPT)	1/4"	1/4"	1/4"
Maximum Pressure (psig)	1500	1500	1500
Internal Volume (cc)	1500	1500	1500
Maximum Temp. -Buna-N (250°F)	BN150	BN150	BN150
Maximum Temp. -EPDM (300°F)	GE150	GE150	GE150
Maximum Temp. -Viton (400°F)	GV150	GV150	GV150
Maximum Temp. -Silicone (450°F)	GS150	GS150	GS150
Maximum Temp. -Kalrez (600°F)	KZ150	KZ150	KZ150
Principle Dimensions: (inches)			
Center Of Port To Head	1.50	1.85	1.85
Head Diameter	4.52	4.52	4.52
Overall Length	14.75	15.58	15.58
Element Removal Clearance	9.05	9.05	9.05
Filter Element Codes:			
Disposable Element	51-213-70ZZ	51-213-70ZZ	51-213-70ZZ
Stainless Steel Element (1)	SS-51-213-□	SS-51-213-□	SS-51-213-□
Materials Of Construction: (2)			
Head & Internals	316LSS	316LSS	316LSS
Bowl	316LSS	316LSS	316LSS
O-Rings	EPDM	EPDM	EPDM
Accessories:			
Mounting Bracket	MBSS150	MBSS150	MBSS150

Notes: (1) Replace '□' with micron required 01, 03, 10, 25, 50, 100, 200, e.g. SS-51-213-25T  
 (2) Material abbreviations, 316LSS = 316L Stainless Steel

## Filter Elements:

### Disposable Filter Element (70ZZ Grade)

Disposable microglass depth filter. Constructed from inert borosilicate glass with a fluorocarbon binder. 98% removal of 0.01 micron liquids and solids.

### Stainless Steel

Five layers of surface area / depth for moving solids and liquids. The rigid durable construction provides precise pore distribution, flow permeability, and low initial pressure drop.



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Partner of Headline Filters

**For Technical Information Please Consult The Factory.**

**Scroll Down for Flow Rates.**

**SC150-2 / SC160-2**

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## PRINCIPLE SPECIFICATIONS

Housing Model (1)	160SCK	161SCK	162SCK
Port Size (NPT)	1"	1 1/2"	2"
Drain Type (NPT)	1/4"	1/4"	1/4"
Maximum Pressure (psig)	1500	1500	1500
Internal Volume (cc)	2700	2700	2700
Maximum Temp. -Buna-N (250°F)	BN160	BN160	BN160
Maximum Temp. -EPDM (300°F)	GE160	GE160	GE160
Maximum Temp. -Viton (400°F)	GV160	GV160	GV160
Maximum Temp. -Silicone (450°F)	GS160	GS160	GS160
Maximum Temp. -Kalrez (600°F)	KZ160	KZ160	KZ160
Principle Dimensions: (inches)			
Center Of Port To Head	1.50	1.85	1.85
Head Diameter	4.52	4.52	4.52
Overall Length	24.50	25.12	25.12
Element Removal Clearance	17.87	17.87	17.87
Filter Element Codes:			
Disposable Element	51-460-70ZZ	51-460-70ZZ	51-460-70ZZ
Stainless Steel Element (2)	SS-51-460-□	SS-51-460-□	SS-51-460-□
Materials Of Construction: (3)			
Head & Internals	316LSS	316LSS	316LSS
Bowl	316LSS	316LSS	316LSS
O-Rings	EPDM	EPDM	EPDM
Accessories:			
Mounting Bracket	MBSS150	MBSS150	MBSS150

Notes: (1) The 160SCK Series is now manufactured with a two piece bowl which makes the housings weld free  
 (2) Replace '□' with micron required 01, 03, 10, 25, 50, 100, 200, e.g. SS-51-213-25T  
 (3) Material abbreviations, 316LSS = 316L Stainless Steel

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SC150-2 / SC160-2

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## STEAM FLOW RATES FOR DISPOSABLE 51-460-70ZZ

Pressure (PSIG)	Flow, lbs/hr. At Indicated Pressure Drop		
	2 PSIG	5 PSIG	10 PSIG
5	32	64	128
10	40	80	160
15	48	96	192
20	54	108	216
25	61	122	244
30	70	140	280
35	76	152	304
40	83	166	332
45	91	182	364
50	99	198	396
55	104	208	416
60	114	228	456
65	120	240	480
70	127	254	508
75	134	268	536
80	141	282	564
85	148	297	595
90	156	313	627
95	164	330	661
100	173	348	697
105	182	367	735
110	192	381	775
115	202	408	817
120	213	430	861
125	224	453	908



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