



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



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 70YY 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.

#### **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
- C.I.P. Systems
- Excellent Alternative To Balston 23/75R
- 51-460-70YY Replaces Balston's 200-75-R Element

**At the heart of our filter products is the filter element. Choosing the correct element insures proper results for your specific application:**

#### **Disposable Microfiber Elements**

Our 51-460-70YY steam elements are constructed of 100% borosilicate microfiber providing up to 98% efficiency against 0.01 microns. We utilize a mixture of proprietary binders which allows the element to function at temperatures above 500°F (260°C). It is important to note that the 70YY elements should be changed-out every six to eight weeks, and that solid particles will shorten their service life by reducing surface area which is needed to remove liquid droplets. Every application is unique and must be monitored to ensure proper change out frequency. The particles will also increase the pressure drop, which can lead to element rupture. For added security, the element is caged with inner and outer stainless steel support cores to stabilize the element as pressure and temperature swings occur.

#### **Stainless Steel 5-Layer Mesh Elements**

Five layers of surface area / depth for removing solids and liquids. The rigid durable construction provides precise pore distribution, flow permeability, and low initial pressure drop. Standard microns available: 0.5, 1, 3, 10, 25, 50, 100, and 200.

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

**Scroll Down for Flow Rates.**

# STEAM FILTER HOUSINGS – SCK SERIES (70YY)

## TECHNICAL INFORMATION

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
<b>Maximum Temp. -EPDM (300°F) Standard</b>	<b>GE150</b>	<b>GE150</b>	<b>GE150</b>
Maximum Temp. -Viton (400°F)	GV150	GV150	GV150
Maximum Temp. -Silicone (450°F)	GS150	GS150	GS150
Maximum Temp. -Kalrez (600°F)	KZ150	KZ150	KZ150
Weight of Housing (lbs)	22.0	22.0	22.0
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	51-213-70YY	51-213-70YY	51-213-70YY
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 (Standard)	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		

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

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
30	70	140	280
40	83	166	332
50	99	198	396
60	114	228	456
70	127	254	508
75	134	268	536
80	141	282	564
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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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.



## TECHNICAL INFORMATION

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
<b>Maximum Temp. -EPDM (300°F) Standard</b>	<b>GE160</b>	<b>GE160</b>	<b>GE160</b>
Maximum Temp. -Viton (400°F)	GV160	GV160	GV160
Maximum Temp. -Silicone (450°F)	GS160	GS160	GS160
Maximum Temp. -Kalrez (600°F)	KZ160	KZ160	KZ160
Weight of Housing (lbs)	38.0	38.0	38.0
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	51-460-70YY	51-460-70YY	51-460-70YY
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 (Standard)	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-51-460-25T  
 (3) Material abbreviations, 316LSS = 316L Stainless Steel

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

**Scroll Up for Flow Rates.**