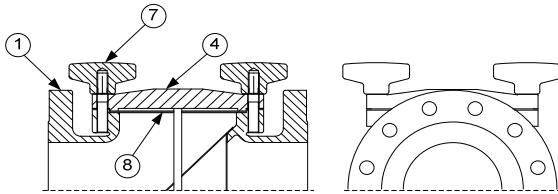


**Style SSGFV - Bolted Cover (Shown Above)**  
Available in 150 lb. and 300 lb. Class



**Style SSGFV-K - Knob Type Cover (Shown Above)**  
Only Available in 150 lb. Class

## Styles SGFV-C9 & SGFV-KC9

### Basket Strainer, Flanged

### Cast Chrome-Moly (ASTM A 217, Grade WC9)

**PARTS LIST**

ITEM	DESCRIPTION	MATERIAL
1†	BODY	CHROME-MOLY (ASTM A 217, GRADE WC9)
2	BASKET	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304)
4	COVER	CHROME-MOLY (ASTM A 217, GRADE WC9)
5	PIPE PLUG	STAINLESS STEEL (316)
6	HEX HEAD CAP SCREW	STAINLESS STEEL (316)
7*	KNOB	STAINLESS STEEL
8*	GASKET	VITON (MAX TEMPERATURE 400°F)

\*Denotes parts for the Style SSGFV-K 150 lb. Class only.

†Optional Body Materials Available in 304 and 400 Series SS, Hastelloy C276, Inconel, Alloy 20, and Stellite.

**STANDARD SCREENS SUPPLIED**

SIZE		SCREEN GAGE	SCREEN PERFORATION					
in	mm		FOR STEAM		FOR LIQUID			
			in	mm	AREA	in	mm	AREA
1-1/2 to 3	40 to 80	22	3/64	1.2	33%	1/16	1.6	30%
4 to 14	100 to 350	22	1/16	1.6	30%	1/8	3.2	43%

Standard screens supplied are for liquid service, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS															
		A				B				C				E			
		150#		300#		150#		300#		150#		300#		150#		300#	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
1-1/2	40	6-1/2	165	7	178	4-1/2	114	4	102	4	102	3-3/4	95	1/2	15	1/2	15
2	50	8-1/2	216	8-13/16	224	5-7/8	149	4-3/4	121	4-3/4	121	3-3/4	95	1/2	15	1	25
2-1/2	65	8	203	9	229	5-7/16	138	5-5/8	143	4-1/4	108	4-5/8	117	3/4	20	1	25
3	80	8-3/4	222	10-1/16	256	5-11/16	144	5-11/16	144	5-5/8	143	5-5/8	143	3/4	20	3/4	20
4	100	11-3/16	284	12	305	8-1/4	210	8-1/4	210	6-1/16	154	6-1/16	154	1	25	1	25
5	125	12-1/4	311	13-1/8	333	10-1/4	260	10-1/4	260	5-5/8	143	5-5/8	143	1	25	1	25
6	150	13-7/8	352	15-9/16	395	12-13/64	310	12-13/64	310	6-5/16	160	6-5/16	160	1-1/4	32	1-1/4	32
8	200	17-3/8	441	18-7/8	479	15-9/16	395	15-9/16	395	8-3/16	208	8-3/16	208	1-1/2	40	1-1/2	40
10	250	22	559	21-5/16	541	16	406	14-3/8	365	10-3/8	264	9-7/8	251	1-1/2	40	2	50
12	300	25	635	25-3/8	645	23-3/4	603	23-3/4	603	12-3/8	314	12-3/8	314	2	50	2	50
14	350	34-5/16	871	34-5/16	871	28	711	34-3/8	873	16-1/2	419	20-3/16	513	2	50	2	50

Larger sizes available upon request.

Certified dimensional drawings are available upon request.

		WEIGHTS											
Size		1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	
150	lbs	22	30	35	39	69	110	125	270	360	450	1550	
	kgs	10	14	16	18	31	50	57	122	163	204	703	
300	Lbs	24	32	42	56	88	126	150	295	420	500	1650	
	kgs	11	15	19	25	40	57	68	134	191	227	748	

**FLOW COEFFICIENTS**

Size	C <sub>v</sub>	Size	C <sub>v</sub>	Size	C <sub>v</sub>	Size	C <sub>v</sub>
1-1/2"	32	3"	120.2	6"	743.1	12"	4980.6
2"	42.7	4"	276.7	8"	1486.3	14"	7600.0
2-1/2"	84	5"	442.7	10"	3051.6		

**TOTAL SCREEN AREA (150 LB.)**

Size	(in <sup>2</sup> )	Size	(in <sup>2</sup> )	Size	(in <sup>2</sup> )	Size	(in <sup>2</sup> )
1-1/2"	20.10	3"	54.53	6"	215.65	12"	1040.63
2"	53.42	4"	117.94	8"	401.76	14"	1200.0
2-1/2"	45.72	5"	129.0	10"	591.73		

\*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

# PRESSURE DROP CHART

## Basket Strainers (Styles SGFV, SGFV-K, SSGFV, and SSGFV-K)

This pressure drop chart is based on the flow of clean water through the Keckley Strainer Styles listed above with screen perforations ranging from 1/16" through 1/8".

### TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

### CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

- 40 mesh x 1.2
- 60 mesh x 1.4
- 80 mesh x 1.6
- 100 mesh x 1.7

