

# Models: 764-SS 765M-SS\*, 766M-SS, 767-SS

## Cast Stainless Steel Flanged End Y Strainers Sizes: 1/2" - 12" (15 - 300mm)

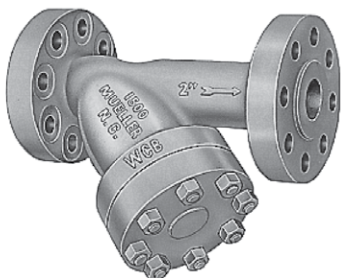
Pressure/Temperature – Non-Shock		
Model	Material	Rating
764-SS	Stainless Steel	1440psi @ -20°F to 100°F 99.3 bar @ 38°C 725psi @ 1000°F 50 bar @ 538°C
765M-SS	Stainless Steel	2160psi @ -20°F to 100°F 148.9 bar @ 38°C 1090psi @ 1000°F 75.2 bar @ 538°C
766M-SS	Stainless Steel	3600psi @ -20°F to 100°F 248.2 bar @ 38°C 1820psi @ 1000°F 125.5 bar @ 538°C
767-SS	Stainless Steel	6000psi @ -20 to 100°F 413.7 bar @ 38°C 3030psi @ 1000°F 208.9 bar @ 538°C

**764-SS** **Class 600**

**765M-SS** **Class 900**

**766M-SS** **Class 1500**

**767-SS** **Class 2500**



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766M-SS, 767-SS

\* 765M and 766M supersede models  
765/766. Consult factory.

### Typical Service

- Used extensively to strain foreign matter from pipelines and provide economical protection for costly pumps, meters, valves, and other similar mechanical equipment.
- Well suited for long service in high pressure and temperature applications.

### Features

- Machined seats in both body and cap align and lock the screen in place to stop sediment bypass.
- Machined seats facilitate alignment and accurate reseating after servicing.

### Construction

- Designed for high pressure and temperature services.
- Heavy gauge reinforced screens are used.
- Flanged are back faced, or spot faced at the boltholes.
- Ring Type Joint (RTJ) flanges are available, consult factory.

### Self-Cleaning

- Self-cleaning is accomplished by opening the plug or valve connected to the blowoff outlet, if provided.
- Cleaning usually accomplished by shutting off line pressure and disassembling strainer.

### Blowoff Outlets

- Cover flange for 764-SS is furnished with blowoff tapping, not plugged.
- All other covers normally furnished as blind flanges. Socket weld blowoff connection available, specify on order.

### Capacity

- Generously proportioned bodies.
- Open Area Ratio much greater than pipe size, ensuring low pressure drop.
- Minimum of 4 to 1 Open Area Ratio using standard 1/16 and 1/8 perf screens.

### Screens

MODEL	SIZES	STANDARD (WATER)		STEAM RECOMENDATION	
		MATERIAL	OPENING	MATERIAL	OPENING
All	1/2" - 4"	304SS	.062 perf	304SS	.033 perf
All	5" and Up	304SS	.125 perf	304SS	.045 perf

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_

Job Location \_\_\_\_\_

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor's P.O. No. \_\_\_\_\_

Approval \_\_\_\_\_

Representative \_\_\_\_\_

**Mueller** Steam Specialty™

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## Material

	764-SS, 765M-SS, 766M-SS, 767-SS
Body	Stainless Steel, ASTM A351 Grade CF8M
Cover	Stainless Steel, ASTM A351 Grade CF8M
Gasket	Spiral Wound SS, Graphite Filled

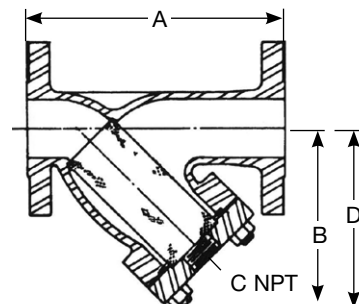
\* Cover may also be manufactured from equivalent grade plate material.

## Pressure Drop

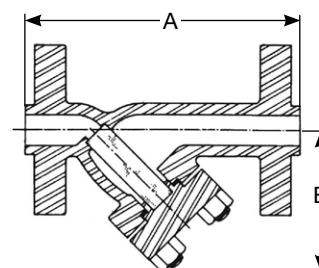
See Pressure Drop Charts in Technical Data Section of the Mueller Steam Specialty Engineering binder.

## Dimensions and Weights

SIZE		DIMENSIONS								WEIGHT	
		A		B		C		D Screen Removal			
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.
<b>764</b>											
1/2	15	6 5/8	168	3 1/2	89	3/8	10	5	130	6	2.7
3/4	20	8 5/16	211	3 3/4	95	1/2	15	5	130	12.3	5.5
1	25	8 5/16	211	3 3/4	95	1/2	15	5	130	12.3	5.5
1 1/4	32	10 7/8	257	5 1/2	140	1/2	15	8	203	19	8.6
1 1/2	40	10 1/4	260	5 1/2	140	1/2	15	8	203	27	12
2	50	11	279	7	178	1/2	15	10	254	40	18
2 1/2	65	12	305	8 1/4	210	1	25	12 1/2	318	60	27
3	80	13 1/2	343	9 1/4	235	1 1/4	32	14 1/2	368	78	35
4	100	17 15/16	456	12 1/2	318	1 1/2	40	19 1/2	495	160	72.7
5	125	22 1/4	565	15	381	2	50	23	584	254	115
6	150	25 5/8	651	20	508	2	50	31	787	364	165
8	200	31 3/4	806	24	610	2	50	38 1/2	978	670	304
10	250	37 11/16	957	28 1/2	724	2	50	45 1/2	1156	1090	495
12	300	45 1/2	1156	34 1/2	876	2	50	52	1321	1558	708



Model 764-SS



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SIZE		DIMENSIONS				WEIGHT	
		A		B			
in.	mm	in.	mm	in.	mm	lbs.	kgs.
<b>765M</b>							
1/2	15	8 1/8	206	4 1/4	108	20	9
3/4	20	9 1/16	230	4 3/4	121	30	13.6
1	25	10 11/16	271	5 3/4	146	52	23
1 1/4	32	12	305	6 3/4	171	64.5	29
1 1/2	40	12	305	6 3/4	171	64.5	29
2	50	13 15/16	354	7 1/2	191	93	42
2 1/2	65	17 1/2	445	10 3/4	273	185	84
3	80	17 1/2	445	10 3/4	273	185	84
4	100	23 1/4	591	15	381	250	113
5	125	—	—	—	—	—	—
6	150	27 3/4	705	18 7/8	479	560	254
8	200	33 1/4	846	23 7/8	606	1000	454
10	250	CF	CF	CF	CF	CF	CF
12	300	CF	CF	CF	CF	CF	CF

SIZE		DIMENSIONS				WEIGHT	
		A		B			
in.	mm	in.	mm	in.	mm	lbs.	kgs.
<b>766M</b>							
1/2	15	8 1/8	206	4 1/4	108	20	9
3/4	20	9 1/16	230	4 3/4	121	30	13.6
1	25	10 11/16	271	5 3/4	146	52	23
1 1/4	32	12	305	6 3/4	171	64.5	29
1 1/2	40	12	305	6 3/4	171	64.5	29
2	50	13 15/16	354	7 1/2	191	93	42
2 1/2	65	17 1/2	445	10 3/4	273	185	84
3	80	17 1/2	445	10 3/4	273	185	84
4	100	23 1/4	591	15	381	334	151
5	125	—	—	—	—	—	—
6	150	30 5/8	778	20 1/2	521	770	350
8	200	39	991	26 15/16	684	1200	545
10	250	CF	CF	CF	CF	CF	CF
12	300	CF	CF	CF	CF	CF	CF

SIZE		DIMENSIONS				WEIGHT	
		A		B			
in.	mm	in.	mm	in.	mm	lbs.	kgs.
<b>767</b>							
1/2	15	12 5/8	321	7 11/16	195	30	13.6
3/4	20	12 5/8	321	7 11/16	195	40	18
1	25	12 5/8	321	7 11/16	195	65	29.5
1 1/4	32	16 7/8	429	10 1/2	267	140	63.5
1 1/2	40	16 7/8	429	10 1/2	267	140	63.5
2	50	18 15/16	481	12 1/2	318	240	109
2 1/2	65	25 3/4	654	18 13/16	478	500	227
3	80	26 3/4	679	18 13/16	478	560	254
4	100	33 5/8	854	20 1/4	514	850	386
5	125	—	—	—	—	—	—
6	150	33 3/4	857	20	508	1900	862
8	200	CF	CF	—	—	CF	CF
10	250	CF	CF	CF	CF	CF	CF
12	300	CF	CF	CF	CF	CF	CF

CF = Consult Factory

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