

# Models: 861-SS, 862-SS, 861-SS-BC, 862-SS-BC

## Cast Stainless Steel Screwed & Socket Weld End Y Strainers Sizes: 1/4" - 3" (3 - 80mm)

Pressure/Temperature - Non-Shock		
Model	Material	Rating
861SS, 862SS,	Stainless Steel	1440psi @-20°F to 100°F 99.28 bar @ 37.78°C
861SSBC 862SSBC		830psi @ 900°F 57.23 bar @ 482.22°C

### Class 600

#### Screwed Cap

**861-SS** Screwed      **Class 600**  
**862-SS** Socket      **Class 600**

#### Bolted Cover

**861-SS-BC** Screwed      **Class 600**  
**862-SS-BC** Socket      **Class 600**



Models 861-SS-BC, 862-SS-BC

Caps are normally furnished with blow off tapping without plugs. Socket weld or blind covers are available.

### Typical Service

- Used extensively to strain foreign matter from pipelines and provide economical protection for costly pumps, meters, valves, and other similar mechanical equipment.
- These are especially critical as weld debris is often present in the pipeline.
- 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

- Straight threaded, gasketed cap is used for easy disassembly and assembly on models 861-SS, 862-SS. Many others use Loctite, rendering disassembly virtually impossible.
- Models 861-SS-BC and 862-SS-BC are furnished with a removable bolted cover for easy maintenance.
- Heavy duty, rugged bodies with extra heavy bore.

### Self-Cleaning

- Self-cleaning is accomplished by opening the plug or valve connected to the blowoff outlet

### Blowoff Outlets

- Outlets are NPT tapped
- Sizes of tapping specified on next page
- Not normally furnished with plug. Plug available, specify with order.
- Blind caps are also available, specify with 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

### Screens

MODEL	SIZES	STANDARD (WATER)		STEAM RECOMMENDATION	
		MATERIAL	OPENING	MATERIAL	OPENING
All	1/4" - 3"	304SS	.062 perf	304SS	.033 perf

Job Name \_\_\_\_\_  
 Job Location \_\_\_\_\_  
 Engineer \_\_\_\_\_  
 Approval \_\_\_\_\_

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

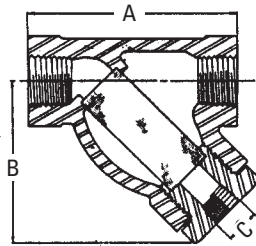
## Material

	861-SS, 862-SS, 861SS-BC, 862SS-BC
Body	Stainless Steel, ASTM A351 Grade CF8M
Cap/Cover	Stainless Steel, ASTM A351 Grade CF8M
Gasket	Spiral Wound SS, Graphite Filled

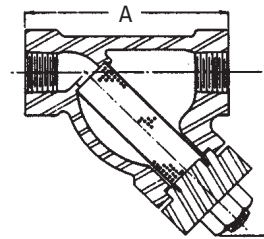
## Pressure Drop

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

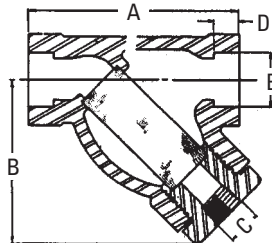
## Dimensions and Weights



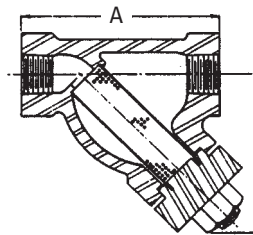
Model 861-SS



Model 861-SS-BC



Model 862-SS



Model 862-SS-BC

SIZE		DIMENSIONS										WEIGHT					
		A		B		C (NPT)		D		E		F		Screwed		Bolted	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.	lbs.	kgs.
1/4	6	3	80	2 1/2	64	1/4	6	3/8	10	.555	14	CF	CF	1.5	.68	3	1.3
3/8	10	3	80	2 1/2	64	1/4	6	3/8	10	.690	17.5	CF	CF	1.5	.68	3	1.3
1/2	15	3 29/32	99	3 1/16	78	1/4	6	3/8	10	.855	21.7	3/4	83	2.25	1.02	3.25	1.4
3/4	20	4 1/4	108	3 5/8	92	3/8	10	1/2	13	1.065	27	4 1/4	108	3.75	1.7	4.25	1.9
1	25	4 15/16	125	4 1/4	108	1/2	15	1/2	13	1.330	33.8	4 5/8	117	6.5	2.9	7	3.1
1 1/4	32	5 5/8	143	4 5/16	109	3/4	20	1/2	13	1.675	42.5	5 1/2	140	8	3.6	10.25	4.6
1 1/2	40	6 1/4	159	5 3/16	132	3/4	20	1/2	13	1.915	48.6	6 1/4	159	10	4.5	16	7.2
2	50	7 1/2	191	6 3/8	156	1	25	5/8	16	2.406	61.1	7 1/4	184	14	6.3	21.75	9.8
2 1/2	65	12	305	N/A	NA	1 1/4	32	5/8	16	2.906	73.8	9 3/8	238	N/A	N/A	42.75	19
3	80	12	305	N/A	NA	1 1/4	32	5/8	16	3.535	89.8	9 3/8	238	N/A	N/A	43.25	19.6

Apply For Certified Drawings.

Mueller Steam Specialty product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Mueller Steam Specialty Technical Service. Mueller Steam Specialty reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Mueller Steam Specialty products previously or subsequently sold.



A Watts Water Technologies Company

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