

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

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

Contractor \_\_\_\_\_

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

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

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

Approval \_\_\_\_\_

Representative \_\_\_\_\_

**LEAD FREE\*****Cast Stainless Steel  
Screwed & Socket Weld End  
Y Strainers****Models: 861-SS, 862-SS,  
861-SS-BC, 862-SS-BC  
Sizes: 1/4" – 3"**

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

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

PRESSURE/TEMPERATURE–NON-SHOCK		
Model	Material	Rating
861SS, 862SS, 861SSBC, 862SSBC	Stainless Steel	1440psi @ -20°F to 100°F 99.28 bar @ 37.78°C 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****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

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.

**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	2" - 4"	304SS	.062 perf	304SS	.033 perf

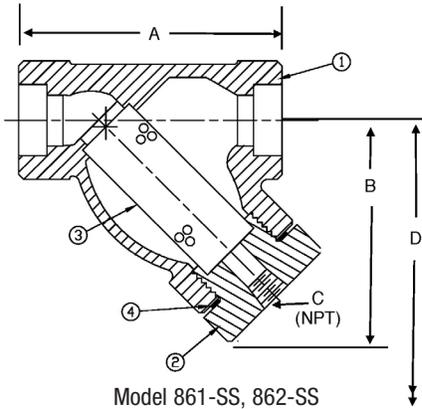
**NOTICE**

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

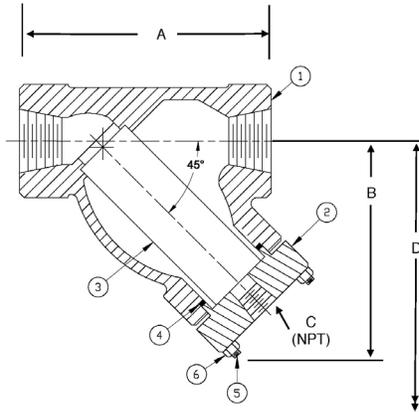
**\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.**

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## Materials



Model 861-SS, 862-SS



Model 861-SS-BC, 862-SS-BC

BILL OF MATERIAL MODELS 861-SS, 862-SS		
ITEM	DESCRIPTION	MATERIAL
1	BODY	Stainless Steel ASTM A351 Grade CF8M
2	CAP	Stainless Steel ASTM A351 Grade CF8M
3	SCREEN	304 SS
4	GASKET	Spiral Wound SS, Graphite Filled

BILL OF MATERIAL - MODELS 861-SS-BC, 862-SS-BC		
ITEM	DESCRIPTION	MATERIAL
1	BODY	Stainless Steel ASTM A351 Grade CF8M
2	COVER**	Stainless Steel ASTM A351 Grade CF8M
3	SCREEN	304 SS
4	GASKET	Spiral Wound SS, Graphite Filled
5	STUDS	A193 B16
6	NUTS	A194 Gr. 4

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

## Pressure Drop

See Pressure Drop Charts in Technical Data section of the Mueller Steam Specialty Engineering binder. Cv values are noted in the Dimensions and Weights table below.

## Dimensions and Weights

SIZE	DIMENSIONS						WEIGHT				Cv		
	A		B		C (NPT)		D SCREEN REMOVAL		SCREWED CAP			BOLTED CAP	
in.	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.	lbs.	kgs.	GPM
¼	3	80	2½	64	¼	6	2½	66.6	CF	CF	3	1.3	1
⅜	3	80	2½	64	¼	6	2½	66.6	CF	CF	3	1.3	2
½	3 <sup>9</sup> / <sub>32</sub>	99	3 <sup>1</sup> / <sub>16</sub>	78	¼	6	3 <sup>7</sup> / <sub>8</sub>	98.4	5¼	130.5	3.25	1.4	8
¾	4¼	108	3 <sup>5</sup> / <sub>8</sub>	92	⅜	10	4½	114.3	6¼	158.7	4.25	1.9	15
1	4 <sup>9</sup> / <sub>16</sub>	125	4¼	108	½	15	5½	139.7	7	177.8	7	3.1	22
1¼	5 <sup>5</sup> / <sub>8</sub>	143	4 <sup>9</sup> / <sub>16</sub>	109	¾	20	5 <sup>7</sup> / <sub>8</sub>	146.9	8	203.2	10.25	4.6	38
1½	6¼	159	5 <sup>3</sup> / <sub>16</sub>	132	¾	20	7	177.8	9	228.6	16	7.2	42
2	7½	191	6 <sup>1</sup> / <sub>8</sub>	156	1	25	8½	215.9	11	279.4	21.75	9.8	70
2½	12	305	N/A	NA	1¼	32	N/A	N/A	14	355.6	42.75	19	110
3	12	305	N/A	NA	1¼	32	N/A	N/A	14	355.6	43.25	19.6	140

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