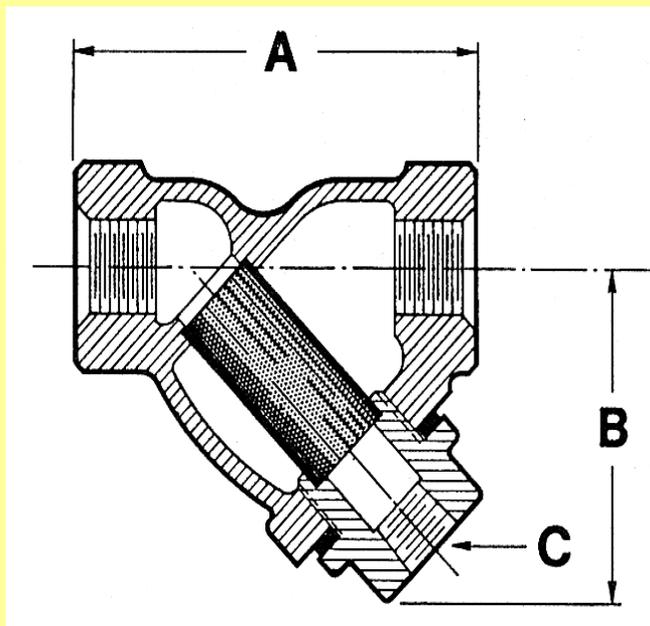


# CAST IRON THREADED SELF CLEANING "Y" STRAINERS

## MODEL: I9-250



DIMENSIONS & WEIGHTS APPROXIMATE  
(Apply for certified drawings)

SIZE in.	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
mm	8	10	15	20	25	32	40	50	50	50
A	3.1875	3.1875	3.1875	3.75	4	5	5.75	7	9.25	10
B	2.062	2.062	2.062	2.4375	2.625	3.375	3.875	4.75	5.875	6
C (NPT)	(NPT)	.25	.25	.25	.375	.375	.75	.75	1	1.5
WT (lb.)		1.6	1.6	1.6	2.5	3	5.25	8	12.5	22
Cv (gpm)	7	7	7	7	15	25	38	55	85	85

## FABROTECH INDUSTRIES, INC.

2089 NINTH AVENUE, RONKONKOMA, NEW YORK 11779

TEL: (631) 467-2040 FAX: (631) 467-2196 e-mail: info@fabrotech.com

www.fabrotech.com

### PRESSURE-TEMPERATURE RATINGS

STEAM:	250 psi @ 406° F
WOG:	400 psi @ 150° F

### SERVICE RECOMMENDATIONS

These Fabrotech strainers are designed for long term use to protect pumps, meters, valves, etc. The use of a strainer is a relatively inexpensive way to protect costly equipment from damage.

### CONSTRUCTION

Manufactured from A126 Gr. B cast iron, The I9-250 is a dependable and economical strainer that can be used in a variety of applications. Each strainer features a 304SS screen, threaded cap with an NPT blowoff connection and a fiber gasket.

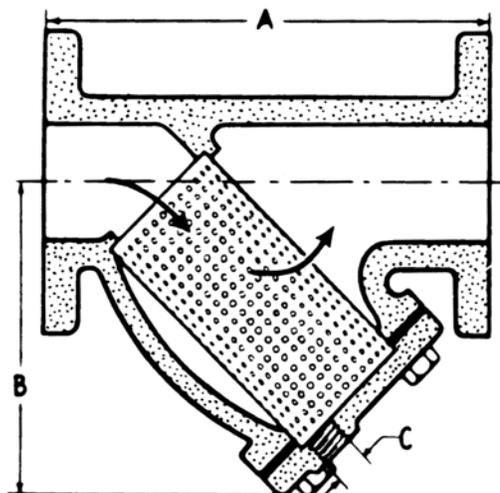
### SCREENS

Fabrotech supplies 20 mesh 304 stainless steel screens as a standard. Sizes 2 1/2" & 3" are supplied with 1/16" perf. Monel screens are also available.

### INDIVIDUALLY HYDROSTATICALLY TESTED

# 125 LB. CAST IRON FLANGED "Y" STRAINER

## MODEL: I8-125



### PRESSURE-TEMPERATURE RATINGS

STEAM: 3/4" to 12"	125 psi @ 450° F
STEAM: 14" to 18"	100 psi @ 350° F
WOG: 3/4" to 12"	200 psi @ 150° F
WOG: 14" to 18"	150 psi @ 150° F

### SERVICE RECOMMENDATIONS

The I8-125 is designed to provide economical & dependable protection to mechanical equipment. Self cleaning is easily accomplished by opening the plug or valve connected to the blowoff outlet (not supplied).

### FEATURES

All sizes feature a bolted cover. The cover has a recessed seat which assures correct screen fit. There are bosses located at the inlet and outlet flanges for the installation of gauges (not supplied).

### SCREENS

Fabrotech provides heavy gauge 304 stainless steel screens are normally furnished in the following perforations:

SERVICE:	3/4" - 4"	5" to 18"
Steam:	.045"	.062"
Liquid :	.062"	1/8"

Other materials, such as Monel, Hastelloy C, & Alloy-20 are available. Other perforation sizes and/or mesh lining is also available.

### CONSTRUCTION

The body and cover are constructed from Cast Iron (ASTM A126 B), and the flat gasket is non-asbestos. The blowoff outlets are tapped NPT, and are not normally supplied with plugs.

DIMENSIONS & WEIGHTS APPROXIMATE  
(Apply for certified drawings)

### INDIVIDUALLY HYDROSTATICALLY TESTED

Size in.	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"
mm	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450
A	7 3/8	7 3/8	7 1/2	7 1/2	7 7/8	10	10 1/8	12 1/8	15 5/8	18 1/2	21 5/8	25 3/4	29 7/8	37 1/4"	38 3/4	43 1/8
B	3 3/4	3 7/8	4 3/4	4 3/4	5 1/4	6 1/2	7	8 1/4	11 1/4	13 1/2	15 1/2	18 1/2	21 3/4	29	26 1/2	31
C (NPT)	1/2	1/2	1/2	1/2	1/2	1	1	1 1/2	2	2	2	2	2	2	2	2
WT (lb)	10	10	13	13	18	28	34	60	95	133	247	370	579	863	1380	2272

Also available in sizes 20" & 24"

## FABROTECH INDUSTRIES, INC.

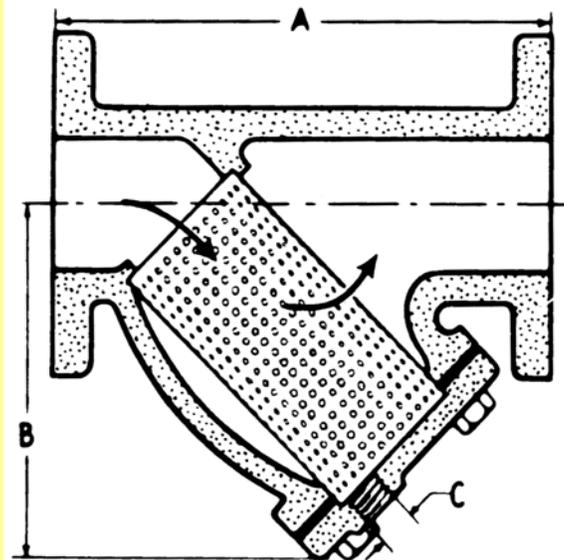
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www.fabrotech.com

# 250 LB. CAST IRON FLANGED "Y" STRAINER

## MODEL: I8-250



### PRESSURE-TEMPERATURE RATINGS

STEAM: 3/4" to 12"	125 psi @ 450° F
STEAM: 14" to 18"	250 psi @ 406° F
WOG: 3/4" to 12"	500 psi @ 150° F
WOG: 14" to 18"	200 psi @ 387° F

### SERVICE RECOMMENDATIONS

The I8-250 is designed to provide economical & dependable protection to mechanical equipment. Self cleaning is easily accomplished by opening the plug or valve connected to the blowoff outlet (not supplied).

### FEATURES

All sizes feature a bolted cover. The cover has a recessed seat which assures correct screen fit. There are bosses located at the inlet and outlet flanges for the installation of gauges (not supplied).

### SCREENS

Fabrotech provides heavy gauge 304 stainless steel screens are normally furnished in the following perforations:

SERVICE:	3/4" - 4"	5" to 18"
Steam:	.045"	.062"
Liquid :	.062"	1/8"

Other materials, such as Monel, Hastelloy C, & Alloy-20 are available. Other perforation sizes and/or mesh lining is also available.

### CONSTRUCTION

The body and cover are constructed from Cast Iron (ASTM A126 B), and the flat gasket is non-asbestos. The blowoff outlets are tapped NPT, and are not normally supplied with plugs.

DIMENSIONS & WEIGHTS APPROXIMATE  
(Apply for certified drawings)

### INDIVIDUALLY HYDROSTATICALLY TESTED

Size in	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"
mm	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450
A	7 3/8	7 3/8	7 1/2	7 1/2	9 7/8	11 1/4	12 1/2	14 7/8	18	20 3/8	24	29 1/2	33 3/4	37 1/4"	38 3/4	43 1/8
B	3 3/4	3 7/8	4 3/4	4 3/4	6 3/16	7 5/8	8 1/4	10	12 1/2	14 1/4	17 3/8	20 7/8	23 9/16	29	26 1/2	31
C (NPT)	1/2	1/2	1/2	1/2	1/2	1	1	1 1/4	1 1/4	1 1/2	1 1/2	2	2	2	2	2
WT (lb)	10	10	13	13	33	49	57	108	157	215	316	525	704	863	1380	2272

Also available in sizes 20" & 24"

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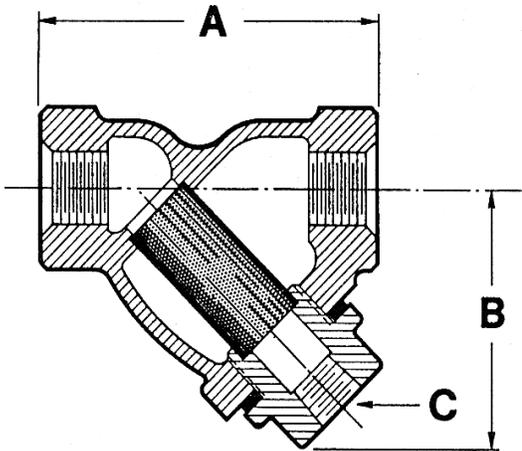
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www.fabrotech.com

# CAST BRONZE THREADED SELF CLEANING "Y" STRAINERS

## MODELS: B9-150 & B9-250

WORKING PRESSURES: NON SHOCK		
STEAM:	B9-150:	150 psi @ 350° F
	B9-250:	300 psi @ 350° F
WOG:	B9-150:	200 psi @ 150° F
	B9-250:	400 psi @ 150° F



### SERVICE RECOMMENDATIONS

These strainers are used to effectively remove foreign debris from pipelines and protect pumps, meters, valves etc. The use of a strainer is a relatively inexpensive way to protect costly equipment from damage.

### SCREENS

20 mesh 304 stainless steel screens are normally furnished up to and including the 2 inch size. 2 1/2" & 3" are supplied with 1/16" perf.

Other screen materials, such as Monel, Hastelloy-C, & Alloy-20 are available. Other perforation sizes and/or mesh lining are also available.

### CONSTRUCTION

Manufactured from 85-5-5-5 bronze (ASTM B62) because of its superior qualities in high temperature service. The B9-150 and B9-250 are also available for use in military applications. These units, which would be supplied in ASTM B61, conform to BuShip Drawing 80064-810-841499. For military applications, copper gaskets are standard.

### BLOWOFF OUTLETS

Tapped NPT, sizes specified below ("C" dimension). Plugs are not standard, but they can be supplied. Specify at time of order.

### MATERIALS:

**Commercial:** Body & Cap: Bronze ASTM B62 (85-5-5-5)  
Gasket: Non-asbestos

**Military:** Body & Cap: Bronze ASTM B61  
Gasket: Copper

DIMENSIONS & WEIGHTS APPROXIMATE  
(Apply for certified drawings)

### INDIVIDUALLY HYDROSTATICALLY TESTED

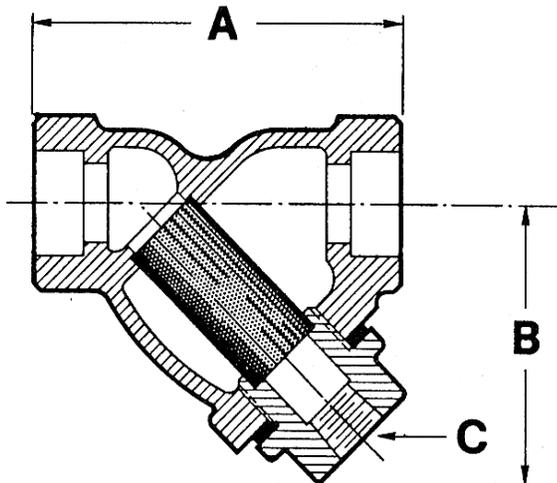
SIZE	in.	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
	mm.	8	10	15	20	25	32	40	50	65	80
A	B9-150	3 1/8	3 1/8	3 1/8	3 15/16	4 1/2	5 5/16	6 5/16	7 11/16	9 1/6	10
	B9-250	2 3/4	2 3/4	2 3/4	3	3 3/4	4 7/16	4 15/16	6 1/8	8 1/4	9
B	B9-150	1 15/16	1 15/16	1 15/16	2 5/16	2 7/8	3 1/4	3 3/4	4 3/4	6 1/2	8
	B9-250	2 1/4	2 1/4	2 1/4	2 9/16	2 3/4	3 5/8	3 7/8	5 1/8	6	6 3/4
C	(NPT)	1/4	1/4	1/4	1/4	3/8	3/8	1/2	1/2	1 1/4	1 1/2
WT (lb.)	B9-150	1/2	1/2	1/2	1	1 3/4	2 1/2	4	7	11 1/2	16 1/2
	B9-250	3/4	3/4	3/4	1 1/2	2 1/8	3 1/8	4 1/2	7	12 1/2	18

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[www.fabrotech.com](http://www.fabrotech.com)

**CAST BRONZE SOLDER ENDS SELF CLEANING "Y" STRAINER****MODEL: B5-150****PRESSURE-TEMPERATURE RATINGS**

WOG:	200 psi @ 150 ° F
STEAM:	150 psi @ 350 ° F

**SERVICE RECOMMENDATIONS**

These strainers are designed for dependable service under moderate conditions. They offer complete protection to mechanical equipment such as pumps & valves at moderate pressures & temperatures. Self cleaning is readily accomplished by opening the plug/valve connected to the blow-off outlet.

**FEATURES**

The B5-150 contains a threaded cap, which is easily opened to provide access to the screen. The body and cap have machined seats which ensure proper screen fit. Sizes 1/4" thru 2" are furnished with a plugged blowoff, and sizes 2 1/2" & 3" are furnished unplugged as standard.

**SCREENS**

20 mesh (1/32" openings) 304 stainless steel screens are normally furnished up to and including the 2 inch size. 2 1/2" & 3" are supplied with 1/16" perf.

Other screen materials, such as Monel, Hastelloy-C, & Alloy-20 are available. Other perforation sizes and/or mesh lining are also available.

**CONSTRUCTION**

The body and cap are cast from bronze (ASTM B-62). For sizes 2 inch and smaller nominal pipe size, the furnished plug is brass. The gasket for all models is non-asbestos. Standard screens are type 304 stainless steel.

DIMENSIONS & WEIGHTS APPROXIMATE  
(Apply for certified drawings)

**INDIVIDUALLY HYDROSTATICALLY TESTED**

SIZE in.	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
mm	8	10	15	20	25	32	40	50	65	80
A	3 1/8	3 1/8	3 3/8	4 1/4	5	5 7/8	6 7/8	8 5/8	8 1/4	9
B	2 1/4	2 1/4	2 1/4	2 5/8	3 3/16	3 3/4	4 1/8	5 1/8	6	6 3/4
C (NPT)	3/8	3/8	3/8	3/8	1/2	1/2	1/2	1/2	1	1
WT (lb)	0.75	0.75	0.75	1	2.2	2.75	3.25	5.75	12.50	18

**FABROTECH INDUSTRIES, INC.**

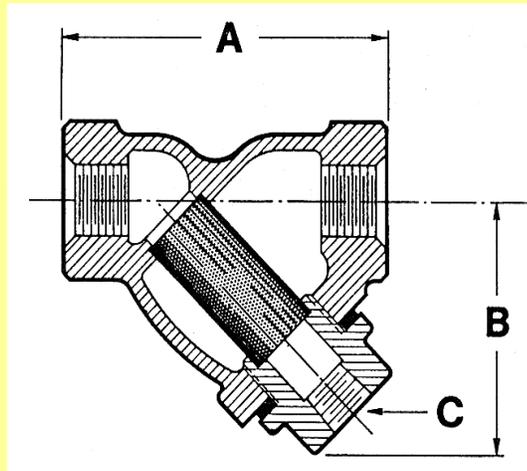
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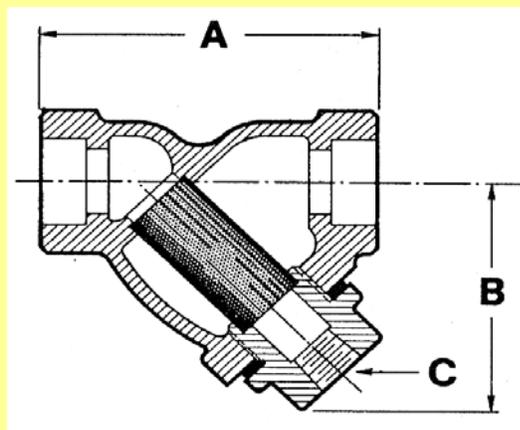


# 600 LB. CAST CARBON STEEL THREADED & SOCKET WELD "Y" STRAINERS

## MODELS: C9-600 & C6-600



**C9-600**



**C6-600**

DIMENSIONS & WEIGHTS APPROXIMATE  
(Apply for certified drawings)

SIZE in.	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
mm	8	10	15	20	25	32	40	50
A	2 15/16	2 15/16	2 15/16	3 11/16	4 9/16	4 15/16	5 9/16	6 15/16
B	2 3/8	2 3/8	2 3/8	2 13/16	3 1/8	4	4 3/4	6
C (NPT)	1/4	1/4	1/4	3/8	3/8	3/4	3/4	1
WT (lb.)	2	2	2	3	5	6.8	9.8	15
Cv (gpm)	9	9	9	18	28	42	60	92

PRESSURE-TEMPERATURE RATINGS	
STEAM:	1010 psi @ 750° F
WOG:	1480 psi @ 100° F

### SERVICE RECOMMENDATIONS

Fabrotech models C9-600 and C6-600 are designed for long term use under high pressure and temperature conditions. They will provide excellent protection to mechanical equipment (pumps & valves, etc.) by straining foreign particles from the pipeline. Self cleaning is readily accomplished by opening the plug or valve connected to the blow-off outlet.

### FEATURES

The C9-600 & C6-600 contain cast steel straight threaded caps, with an NPT blowoff connection as a standard. Blind caps are available and should be specified when ordering. Fabrotech provides bodies and caps with machined seats which ensure proper screen alignment and reseating.

### SCREENS

304 stainless steel screens are normally furnished in the following perforations:

**Steam Service:** .033"

**Liquid Service:** .062"

Other materials, such as Monel, Hastelloy-C, & Alloy-20 are available. Other perforation sizes and/or mesh lining is also available. Consult Fabrotech for special applications.

### CONSTRUCTION

The body, which is cast from Carbon Steel (ASTM A216, Gr. WCB), is available from stock. Normally furnished with extra heavy bore, but also available to correspond to the inside diameter of standard pipe. The gasket, which is stainless steel spiral wound graphite filled, is limited to 750° F.

### INDIVIDUALLY HYDROSTATICALLY TESTED

## FABROTECH INDUSTRIES, INC.

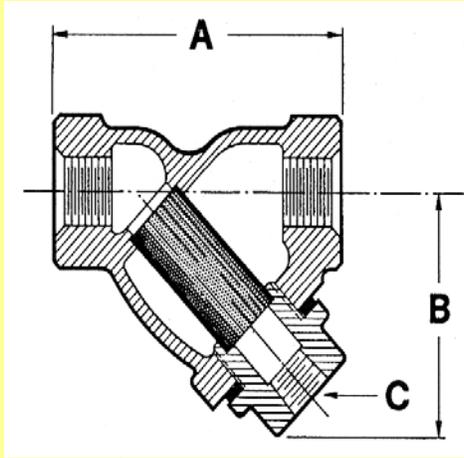
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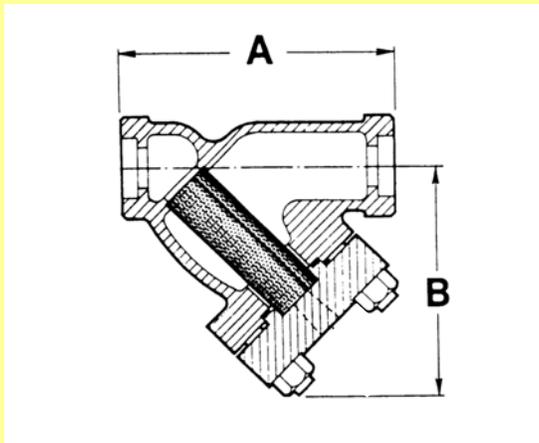
www.fabrotech.com

## 1500 LB. CAST CARBON STEEL THREADED &amp; SOCKET WELD "Y" STRAINERS

## MODELS: C9-1500 &amp; C6-1500



**Threaded Cap**  
(From 1/2" to 1")



**Bolted Cover**  
(From 1 1/4" to 2")

DIMENSIONS & WEIGHTS APPROXIMATE  
(Apply for certified drawings)

SIZE in.	1/2" *	3/4" *	1" *	1 1/4"	1 1/2"	2"
mm	15	20	25	32	40	50
A	3 29/32	4 1/4	5	8 3/8	8 3/8	9 5/16
B	3	3 5/8	4 1/8	7	7	7 3/8
C (NPT)	1/4	3/8	1/2	Blind Cap Std. SW / NPT avail.		
WT (lb.)	2.25	3.75	6.5	22	22	30
Cv (gpm)	9	18	28	42	60	92

\* threaded (screwed) cap supplied (sizes 1" and smaller)

## PRESSURE-TEMPERATURE RATINGS

STEAM:	1500 psi @ 838°F
WOG:	3705 psi @ 100° F

## SERVICE RECOMMENDATIONS

These strainers are built for long term use under demanding conditions. Because they have been designed to withstand high temperatures and pressures, they are recommended to use for protection to pumps, valves, compressors, etc.

## FEATURES

The C9-1500 & C6-1500 have machined seats in the body and cap, which allow for proper screen alignment & seating. Sizes 1/2" through 1" have a screwed cap with a threaded (NPT) connection. Sizes 1 1/4" thru 2" have a bolted cover and are normally furnished blind, but a socket weld or NPT blowoff is available & should be specified when ordering.

## SCREENS

Fabrotech provides stainless steel screens (grade 304) for all sizes which are normally furnished in the following perforations:

**Steam Service:** .045"

**Liquid Service:** .062"

Other body materials, such as Monel, Hastelloy C, and Alloy 20 are available. Other perforation sizes and/or mesh lining are also available. Please consult Fabrotech for options.

## CONSTRUCTION

The body, which is cast from Carbon Steel (ASTM A216, Gr. WCB), is available from stock. Also available in Chrome Moly (ASTM A217, Grades WC6 & WC9), and Carbon Moly (ASTM A217, Grade LCB) Furnished with stainless steel spiral wound gaskets with graphite filler as standard. The socket weld bore is in accordance with ANSI B16.11.

## INDIVIDUALLY HYDROSTATICALLY TESTED

## FABROTECH INDUSTRIES, INC.

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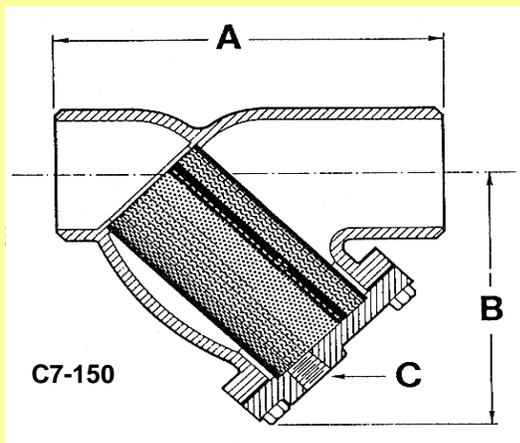
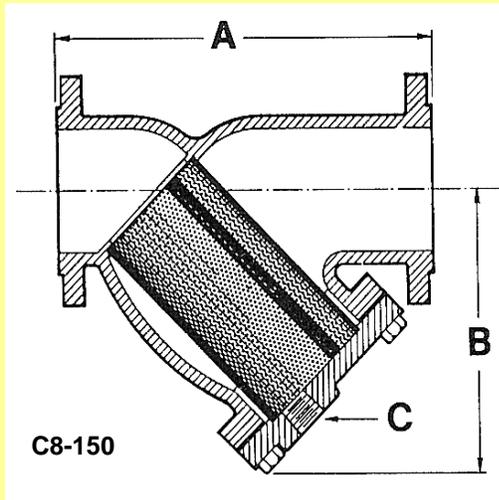
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# 150 LB. CAST CARBON STEEL FLANGED & BUTTWELD "Y" STRAINERS

## MODELS: C8-150 & C7-150

PRESSURE-TEMPERATURE RATINGS	
STEAM:	150 psi @ 565 ° F
WOG:	285 psi @ 100 ° F



DIMENSIONS & WEIGHTS APPROXIMATE  
(Apply for certified drawings)

### SERVICE RECOMMENDATIONS

These strainers are designed for dependable service under demanding conditions. They offer complete protection to mechanical equipment such as pumps & valves at high temperatures & pressures. Self cleaning is readily accomplished by opening the plug or valve connected to the blow-off outlet (not supplied).

### FEATURES

All sizes feature a bolted cover machined to receive the screen. Cover gaskets are designed for high temperature service. Studs are A193-B7 & the nuts are A194-2H hex. Covers are supplied with a NPT blowoff tapping, but without a plug.

### SCREENS

Fabrotech supplies sturdy 304 SS screens which are normally furnished in the following perforations:

<b>SERVICE:</b>	1/2" - 4"	5" to 14"
<b>Steam:</b>	.033"	.045"
<b>Liquid :</b>	.062"	1/8"

Other materials, such as Monel, Hastelloy C, & Alloy-20 are available. Other perforation sizes and/or mesh lining is also available.

### CONSTRUCTION

As a standard, the body is constructed of Carbon Steel ASTM A216 Gr. WCB. Both models are available in Chrome Moly (ASTM A217 Gr. WC6 & WC9). The standard cover is HRS plate. Available in Chrome Moly (WC6 & WC9) & Carbon Moly LCB. The bodies of both the C8-150 & C7-150 are designed to meet 150 lb. ANSI specifications. Model C8-150 has RF flanges per ASME B16.5 and model C7-150 ends are machined to match standard weight pipe. All models have machined seats in the body & cover to ensure accurate screen alignment.

SIZE	in.	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"
	mm	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350
A	C8-150	5 7/8	7 3/8	7 3/8	7	7 1/8	7 7/8	9 3/4	10 1/16	12 1/8	15 5/8	18 1/2	21 3/8	26	29 7/8	33 1/4
	C7-150	6 5/8	8 5/16	8 5/16	10 1/8	10 1/4	8 5/8	10 5/8	12	14 1/2	16 3/8	20	23 3/8	27 3/8	32	35
B	C8-150	3 1/2	3 3/4	3 3/4	4 3/4	4 3/4	5 1/4	6 1/2	7	8 1/4	11 1/4	13 1/2	15 1/2	18 1/2	21 3/4	25
	C7-150	3 1/2	3 3/4	3 3/4	5 1/4	5 1/4	5 1/4	6 1/2	7	8 1/4	11 1/4	13 1/2	15 3/4	19	22 1/4	25
C	NPT	3/8	1/2	1/2	1/2	1/2	1/2	1	1	1	1 1/2	2	2	2	2	2
WT (lb)	C8-150	5 1/2	10 1/4	10 1/4	9 3/4	12 1/2	18	28	34	58	90	125	220	320	550	980
	C7-150	3	9	9	12	13	10	14	20	40	60	90	168	250	440	765
Clean Cv (gpm)		30	35	40	40	40	70	100	150	250	390	550	900	1500	2200	3100

Also available in sizes 16" thru 24"

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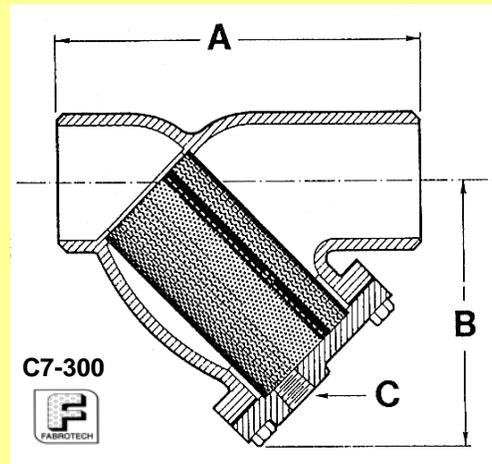
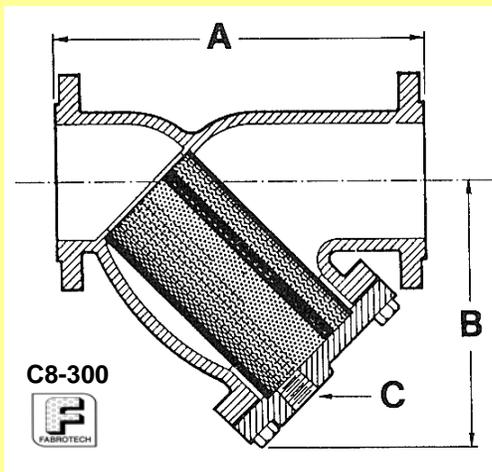
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# 300# CAST CARBON STEEL FLANGED & BUTTWELD "Y" STRAINERS

## MODELS: C8-300 & C7-300

### PRESSURE-TEMPERATURE RATINGS (B16.5)

STEAM:	300 psi @ 838o F
WOG:	740 psi @ 100o F



DIMENSIONS & WEIGHTS APPROXIMATE  
(Apply for certified drawings)

### SERVICE RECOMMENDATIONS

These strainers are designed for dependable service under demanding conditions. They offer complete protection to mechanical equipment such as pumps & valves at high temperatures & pressures. Self cleaning is readily accomplished by opening the plug or valve connected to the blow-off outlet (not supplied).

### FEATURES

All sizes feature a bolted cover machined to receive the screen. Studs are ASTM A193B7 & the nuts are A194-2H heavy hex. Covers are furnished with a NPT blowoff tapping, but without a plug.

### SCREENS

Fabrotech supplies heavy gauge 304 SS screens which are furnished in the following perforations:

SERVICE:	1/2" - 4"	5" to 14"
Steam:	.033"	.045"
Liquid :	.062"	1/8"

Other materials, such as Monel, Hastelloy C, & Alloy-20 are available. Other perforation sizes and/or mesh lining is also available.

### CONSTRUCTION

As a standard, the body is constructed of Carbon Steel ASTM A216 Gr. WCB. Both models are available in Chrome Moly (ASTM A217 Gr. WC6 & WC9). The standard cover is HRS plate. Available in Chrome Moly (WC6 & WC9) & Carbon Moly LCB. The bodies of both the C8-300 & C7-300 are designed to meet 300 lb. ANSI specifications. Model C8-300 has RF flanges and model C7-300 ends are machined to match standard weight pipe. All models have machined seats in the body & cover to ensure accurate screen alignment. Cover gasket is SS spiral wound.

SIZE	in.	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"
	mm	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350
A	C8-300	6 1/8	7 3/4	7 7/8	7 1/2	7 5/8	8 5/8	10 5/8	12	14 1/2	19 5/16	19 5/16	23 3/8	27 3/8	32	35
	C7-300	6 5/8	8 5/16	8 5/16	10 1/8	10 1/4	8 5/8	10 5/8	12	14 1/2	16 3/8	20	23 3/8	27 3/8	32	35
B	C8-300	3 1/2	3 3/4	3 3/4	4 3/4	4 3/4	5 1/4	6 1/2	7	8 1/4	11 1/4	13 1/2	15 3/4	19	22 1/4	25
	C7-300	3 1/2	3 3/4	3 3/4	5 1/4	5 1/4	5 1/4	6 1/2	7	8 1/4	11 1/4	13 1/2	15 3/4	19	22 1/4	25
C	NPT	3/8	1/2	1/2	1/2	1/2	1/2	1	1	1 1/2	2	2	2	2	2	2
WT (lb)	C8-300	5 1/2	12 1/4	13	18 1/4	18	22	32	49	90	120	181	300	440	650	1075
	C7-300	3	9	9	12	13	10	14	20	40	60	90	168	250	440	765
Clean Cv (gpm)		30	35	40	40	40	70	100	150	250	390	550	900	1500	2200	3100

## FABROTECH INDUSTRIES, INC.

2089 NINTH AVENUE, RONKONKOMA, NEW YORK 11779

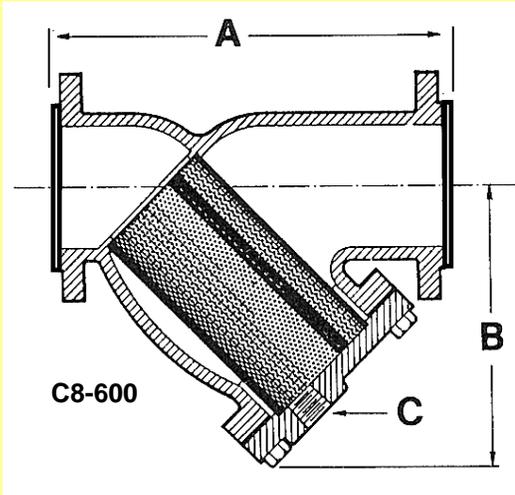
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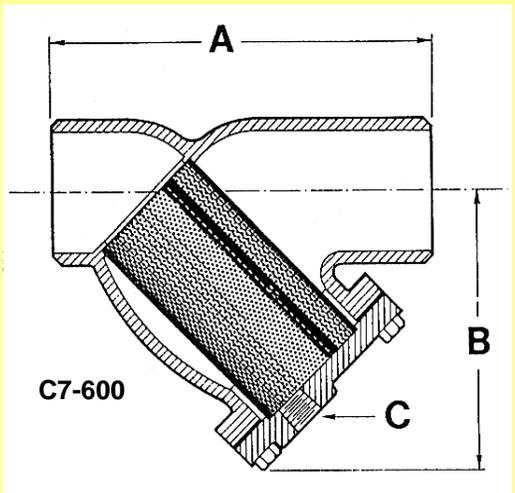
# 600 LB. CAST CARBON STEEL FLANGED & BUTTWELD "Y" STRAINERS

## MODELS: C8-600 & C7-600

PRESSURE-TEMPERATURE RATINGS	
STEAM:	600 psi @ 838° F
WOG:	1480 psi @ 100° F



C8-600



C7-600

### SERVICE RECOMMENDATIONS

These strainers are designed for dependable service under demanding conditions created by high temperatures and pressures. Installation of a strainer before any automatic equipment will ensure trouble free service and avoid costly repairs caused by the existence of foreign matter in pipelines.

### FEATURES

All sizes feature a bolted cover machined to receive the screen. The stainless steel spiral wound cover gaskets are designed for high temperature service. Studs are alloy steel. Covers are normally furnished with a blowoff tapping, but without a plug.

Ring Type Joints (RTJ) are available.

### SCREENS

Fabrotech supplies sturdy 304 SS screens which are normally furnished in the following perforations:

<b>SERVICE:</b>	<b>1/2" - 4"</b>	<b>5" to 14"</b>
Steam:	.033"	.045"
Liquid :	.062"	1/8"

Other materials, such as Monel, Hastelloy C, & Alloy-20 are available. Other perforation sizes and/or mesh lining is also available.

### CONSTRUCTION

Extremely rugged & durable bodies constructed from Carbon Steel (ASTM A216 Gr. WCB). Both models are available in Chrome Moly (ASTM A217 Gr. WC6 & WC9). The standard cover is HRS plate. The bodies of both the C8-600 & C7-600 are designed to meet 600 lb. ANSI specifications. Model C8-600 has RF flanges and model C7-600 ends are machined to match schedule 80 pipe. Other bore schedules are available. All models have machined seats in the body & cover to ensure accurate screen alignment.

DIMENSIONS & WEIGHTS APPROXIMATE  
(Apply for certified drawings)

SIZE in.		1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
	mm	15	20	25	32	40	50	65	80	100	125	150	200	250	300
A	C8-600	6 5/8	8 5/16	8 5/16	10 1/8	10 1/4	11	12	13 1/2	18	22 1/4	25 5/8	31 3/4	37 3/4	45 1/2
	C7-600	6 5/8	8 5/16	8 5/16	10 1/8	10 1/4	11	12	13 1/2	18	22 1/4	25 5/8	31 3/4	37 3/4	45 1/8
B	C8-600	3 1/2	3 3/4	3 3/4	5 1/2	5 1/2	7	8 1/4	9 1/4	12 1/2	15	20	24	28 1/2	34 1/2
	C7-600	3 1/2	3 3/4	3 3/4	5 1/2	5 1/2	7	8 1/4	9 1/4	12 1/2	15	20	24	28 1/2	34 1/2
C	NPT	3/8	1/2	1/2	1/2	1/2	1	1	1 1/4	1 1/2	2	2	2	2	2
WT (lb)	C8-600	6	12 1/4	13	19	27	40	60	78	160	254	364	670	1090	1558
	C7-600	3	9	9	12	13	23	35	47	81	134	200	405	706	880
Clean Cv (gpm)		30	35	40	40	40	70	100	150	250	390	550	900	1500	2200

Also available in sizes 14" thru 24"

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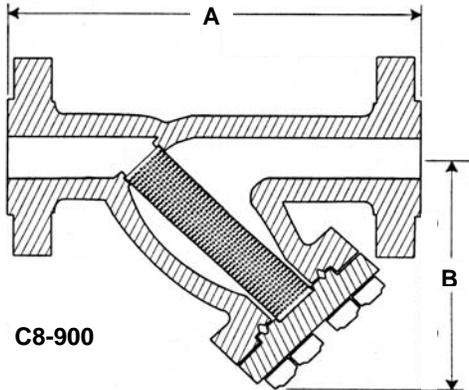
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## 900 LB. CAST CARBON STEEL FLANGED & BUTTWELD "Y" STRAINERS

### MODELS: C8-900 & C7-900

#### PRESSURE-TEMPERATURE RATINGS (B16.5)

STEAM	900 psi @ 838° F
WOG	2,220 psi @ 100° F



#### SERVICE RECOMMENDATIONS

The C8-900 and C7-900 strainers are designed for dependable service under high pressure conditions. They offer complete protection to mechanical equipment such as pumps & valves at high temperatures & pressures.

#### FEATURES

All sizes feature a bolted cover machined to receive the screen. Fabrotech's C8-900 and C7-900 are supplied with stainless steel spiral wound, graphite filled cover gaskets which are designed for high temperature service. Covers are normally furnished blind but socket weld or NPT blowoff connections are available. Please specify at time of order.

#### SCREENS

Fabrotech supplies heavy gauge 304 SS screens which are normally furnished in the following perforations:

<b>SERVICE:</b>	<b>1/2" - 4"</b>	<b>5" to 8"</b>
<b>Steam:</b>	.033"	.045"
<b>Liquid :</b>	.062"	1/8"

Other materials, such as Monel, Hastelloy C, & Alloy-20 are available. Other perforation sizes and/or mesh lining is also available.

#### CONSTRUCTION

Extremely rugged and thick wall bodies are cast in Carbon Steel ASTM A216 Gr. WCB. Both models are available in Chrome Moly (ASTM A217 Gr. WC6 & WC9). The standard cover is HRS plate. All models have machined seats in the body & cover to ensure accurate screen alignment. Flanged models have end flanges faced and drilled in accordance with ANSI B16.5. Ring type joints are available. Buttweld ends in accordance with ANSI B16.25 Fig. 2(B). For C7-900, specify bore schedule of mating pipe for proper machining. Chrome Moly studs and heavy hex nuts are standard.

#### DIMENSIONS & WEIGHTS APPROXIMATE

(Apply for certified drawings)

#### INDIVIDUALLY HYDROSTATICALLY TESTED

SIZE in.		1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"
mm		15	20	25	32	40	50	65	80	100	150	200
<b>A</b>	C8-900	8 1/8	9 1/16	10 3/4	12	12	13 15/16	17 3/8	17 1/2	23 1/4	27 3/4	33 1/4
	C7-900	7 3/8	8 3/16	9 11/16	12	12	13 15/16	17 3/8	17 1/2	23 3/8	27 7/8	33 3/8
<b>B</b>	C8-900	4 1/4	4 3/4	5 3/4	6 3/4	6 3/4	7 1/2	10 3/4	10 3/4	15	18 7/8	23 7/8
	C7-900	4 1/4	4 3/4	5 3/4	6 3/4	6 3/4	5 1/4	10 3/4	10 3/4	15	20	26 15/16
<b>WT (lb)</b>	C8-900	20	30	52	64 1/2	64 1/2	93	185	185	250	560	1000
	C7-900	10	17	25	29	29	44 1/2	100	100	266	430	780
<b>Clean Cv (gpm)</b>		<b>30</b>	<b>35</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>70</b>	<b>100</b>	<b>150</b>	<b>250</b>	<b>550</b>	<b>900</b>

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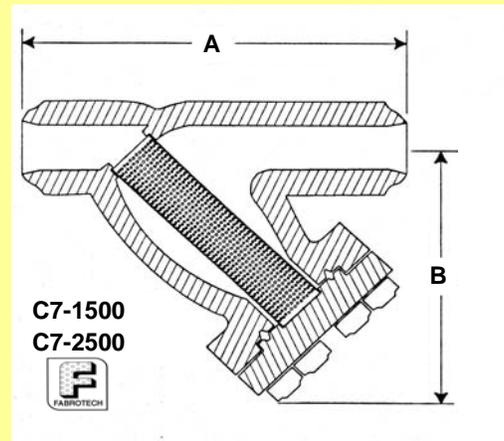
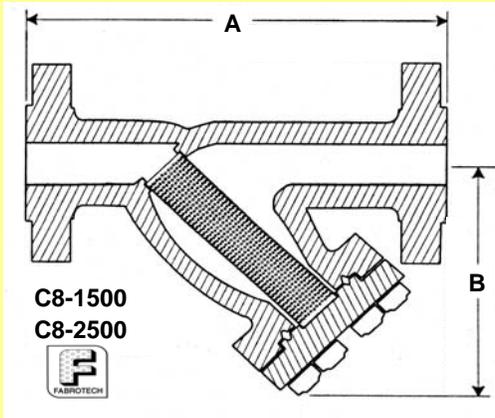
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[www.fabrotech.com](http://www.fabrotech.com)

# CLASS 1500 & 2500 CAST CARBON STEEL FLANGED & BUTTWELD "Y" STRAINERS

## MODELS:

- C8-1500 & C8-2500 (FLANGED)**
- C7-1500 & C7-2500 (BUTTWELD)**



PRESSURE-TEMPERATURE RATINGS (per ANSI B16.5)		
STEAM:	C8-1500/C7-1500	1500 psi @ 838° F
	C8-2500/C7-2500	2500 psi @ 838° F
WOG:	C8-1500/C7-1500	3705 psi @ 100° F
	C8-2500/C7-2500	6170 psi @ 100° F

### SERVICE RECOMMENDATIONS

These strainers are designed for long term use under very high pressure and temperature conditions. They will provide excellent protection to mechanical equipment (pumps & valves, etc.) by straining foreign particles from the pipeline.

### FEATURES

All sizes have a machined body seat, which combined with the machined seat in the cover flange, creates a secure alignment for the screen. Cover flanges are furnished blind but SW or NPT connections are available. Alloy bolting and stainless steel spiral wound gaskets are standard in all sizes.

### SCREENS

Fabrotech supplies heavy gauge 304 SS screens which are furnished in the following perforations:

- Steam Service:** To 4" - .033" perf. 5" and up - .045" perf
- Liquid Service:** To 4" - .062" perf. 5" and up - 1/8" perf

### CONSTRUCTION

The body is cast from Carbon Steel (ASTM A216, Gr. WCB) Also available in Chrome Moly (ASTM A217 Gr. WC6 & WC9) and Carbon Moly (LCB). All flanges are drilled in accordance with ANSI B16.5. Ring Type Joint (RTJ) flanges are available. The C7-1500 is machined to match schedule 80 pipe, while the C7-2500 is machined to match double "extra-strong" pipe. We can also machine to match the bore of your pipe.

DIMENSIONS/WEIGHTS APPROX. (Apply for certified drawings)

INDIVIDUALLY HYDROSTATICALLY TESTED

SIZE	in.	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"
	mm	15	20	25	32	40	50	65	80	100	150	200
A	C8-1500	8 1/8	9 1/16	10 3/4	12	12	13 15/16	17 1/2	17 1/2	23 1/4	32 7/16	39
	C8-2500	12 5/8	12 5/8	12 5/8	16 7/8	16 7/8	18 15/16	25 3/4	26 3/4	33 5/8	33 3/4	-
	C7-1500	7 3/8	8 3/16	9 11/16	12	12	13 15/16	17 3/8"	17 1/2	23 3/8	31	36 7/8
	C7-2500	12 5/8	12 5/8	12 5/8	16 7/8	16 7/8	17	23	23	33 3/8	36	-
B	C8-1500	4 1/4	4 3/4	5 3/4	6 3/4	6 3/4	7 1/2	10 3/4	10 3/4	15	24 1/8	26 15/16
	C8-2500	7 11/16	7 11/16	7 11/16	10 1/2	10 1/2	12 1/2	18 13/16	18 13/16	20 1/4	24 1/8	-
	C7-1500	4 1/4	4 3/4	5 3/4	6 3/4	6 3/4	7 1/2	14 3/4	14 3/4	15	20	26 15/16
	C7-2500	7 11/16	7 11/16	7 11/16	10 1/2	10 1/2	12 1/2	18 13/16	18 13/16	22 1/4	24	-
WT.	C8-1500	20	30	52	64 1/2	64 1/2	93	185	185	334	770	1200
	C8-2500	30	40	65	140	140	240	500	560	770	835	-
	C7-1500	10	17	25	29	29	44 1/2	100	100	266	621	1100
	C7-2500	30	40	65	140	140	240	500	560	740	815	-
Clean Cv (gpm)		30	35	40	40	40	70	100	150	250	550	900

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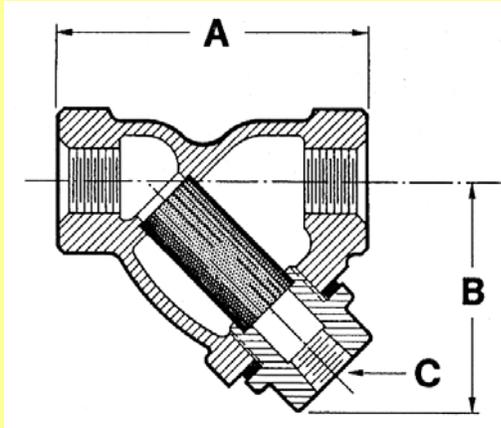
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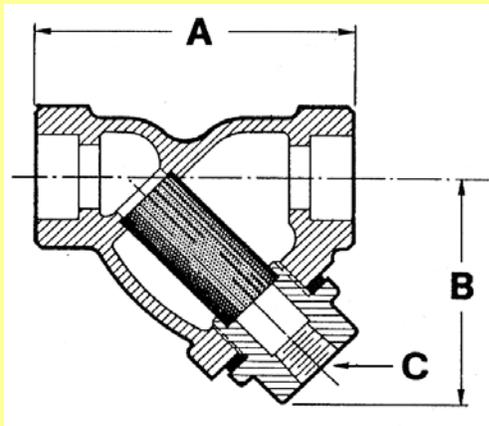
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# 600 LB. CAST STAINLESS STEEL THREADED & SOCKET WELD "Y" STRAINERS

## MODELS: S9-600 & S6-600



S9-600



S6-600

DIMENSIONS & WEIGHTS APPROXIMATE  
(Apply for certified drawings)

SIZE in.	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
mm	8	10	15	20	25	32	40	50
A	2 15/16	2 15/16	2 15/16	3 11/16	4 9/16	4 15/16	5 9/16	6 15/16
B	2 3/8	2 3/8	2 3/8	2 13/16	3 1/8	4	4 3/4	6
C (NPT)	1/4	1/4	1/4	3/8	3/8	3/4	3/4	1
WT (lb.)	2	2	2	3	5	6.8	9.8	15
Cv (gpm)	9	9	9	18	28	42	60	92

PRESSURE-TEMPERATURE RATINGS	
STEAM:	845 psi @ 750° F
WOG:	1440 psi @ 100° F

### SERVICE RECOMMENDATIONS

These Fabrotech strainers are designed for long term use under high pressure and temperature conditions. They are perfectly suited for corrosive applications and will provide excellent protection to expensive mechanical equipment such as pumps and valves. Self cleaning is readily accomplished by opening the plug or valve connected to the blow-off outlet.

### FEATURES

The S9-600 & S6-600 contain cast stainless steel straight threaded caps, with an NPT blowoff connection as a standard. Blind caps are available and should be specified when ordering. Fabrotech can supply pipe plugs for the blowoff. The body and cap have machined seats which ensure proper screen alignment and reseating.

### SCREENS

304 stainless steel screens are normally furnished in the following perforations:

Steam Service: .033"  
Liquid Service: .062"

Other materials, such as Monel, Hastelloy-C, & Alloy-20 are available. Other perforation sizes and/or mesh lining is also available. Contact Fabrotech for pricing.

### CONSTRUCTION

The body, which is cast from Stainless Steel (ASTM A351, Gr. CF8M), is available from stock. Normally furnished with extra heavy bore, but also available to correspond to the inside diameter of standard pipe. The gasket is stainless steel spiral wound graphite filled, and is limited to 750° F.

### INDIVIDUALLY HYDROSTATICALLY TESTED

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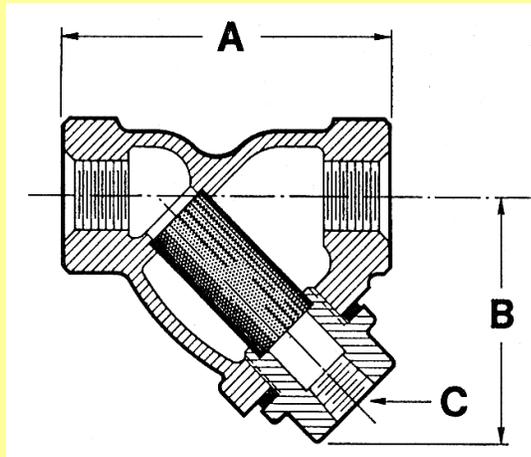
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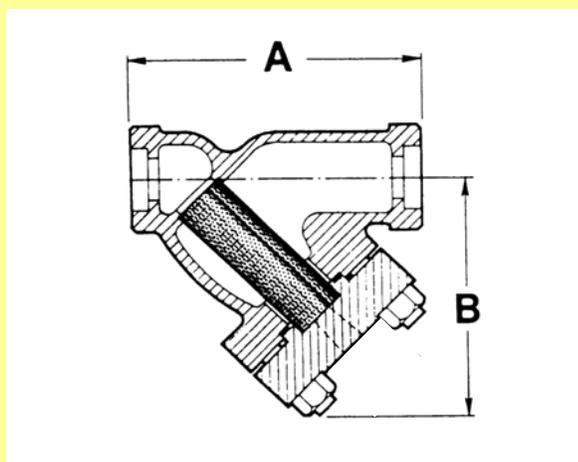
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# 1500 LB. CAST STAINLESS STEEL THREADED & SOCKET WELD "Y" STRAINERS

## MODELS: S9-1500 & S6-1500



**Threaded Cap**  
(From 1/2" to 1")



**Bolted Cover**  
(From 1 1/4" to 2")

DIMENSIONS & WEIGHTS APPROXIMATE  
(Apply for certified drawings)

SIZE in.	1/2" *	3/4" *	1" *	1 1/4"	1 1/2"	2"
mm	15	20	25	32	40	50
A	3 29/32	4 1/4	5	8 3/8	8 3/8	9 5/16
B	3	3 5/8	4 1/8	7	7	7 3/8
C (NPT)	1/4	3/8	1/2	Blind Cap Std. SW/NPT avail.		
WT (lb.)	2.25	3.75	6.5	22	22	30
Cv (gpm)	9	18	28	42	60	92

\* threaded (screwed) cap supplied (sizes 1" and smaller)

### PRESSURE-TEMPERATURE RATINGS

STEAM:	1500 psi @ 1125° F
WOG:	3600 psi @ 100° F

### SERVICE RECOMMENDATIONS

These strainers are built for long term use under demanding conditions. Because they have been designed to withstand high temperatures and pressures, they are recommended to use for protection to pumps, valves, compressors, etc.

### FEATURES

The S9-1500 & S6-1500 have machined seats in the body and cap, which allow for proper screen alignment & seating. Sizes 1/2" through 1" have a screwed cap with a threaded (NPT) connection. Sizes 1 1/4" thru 2" have a bolted cover and are normally furnished blind, a socket weld or NPT blowoff is available & should be specified when ordering.

### SCREENS

Fabrotech provides stainless steel screens (grade 304) for all sizes which are normally furnished in the following perforations:

Steam Service:	.045"
Liquid Service:	.062"

Other body materials, such as Monel, Hastelloy C, and Alloy 20 are available. Other perforation sizes and/or mesh lining are also available. Please consult Fabrotech for options.

### CONSTRUCTION

The body, which is cast from Stainless Steel (ASTM A351, Gr. CF8M), is available from stock. Furnished with stainless steel spiral wound gaskets with graphite filler as standard. All sizes contain screens with a minimum capacity of four times the corresponding pipe size. The socket weld bore is in accordance with ANSI B16.11.

### INDIVIDUALLY HYDROSTATICALLY TESTED

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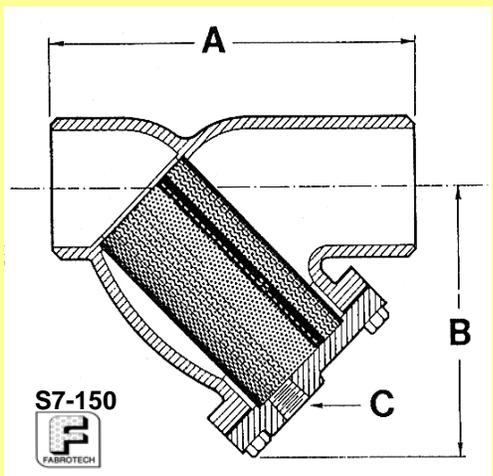
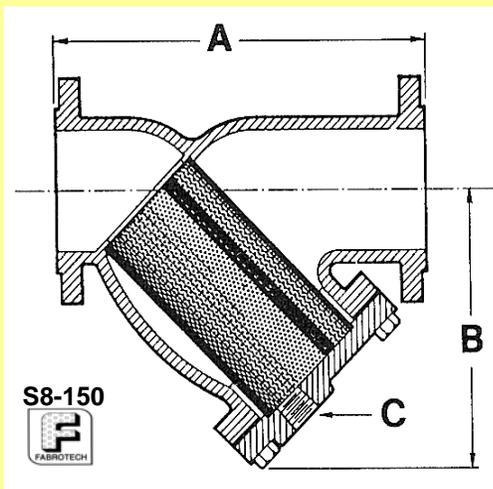
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www.fabrotech.com

# 150# CAST 316 STAINLESS STEEL FLANGED & BUTTWELD "Y" STRAINERS

## MODELS: S8-150 & S7-150

PRESSURE-TEMPERATURE RATINGS (B16.5)	
STEAM:	150 psi @ 565o F
WOG:	275 psi @ 100o F



DIMENSIONS & WEIGHTS APPROXIMATE  
(Apply for certified drawings)

### SERVICE RECOMMENDATIONS

These strainers are designed for dependable service under demanding conditions. They offer complete protection to mechanical equipment such as pumps & valves under corrosive conditions. Self cleaning is easily accomplished by opening the plug or valve connected to the blow-off outlet (not supplied).

### FEATURES

All sizes feature a bolted cover machined to receive the screen. SS spiral wound gaskets are designed for high temperature and/or corrosive service. Studs are A193B7 & the nuts are A194-2H hex. Covers are furnished with a blowoff tapping, but without a plug.

### SCREENS

Fabrotech supplies sturdy 304 SS screens which are normally furnished in the following perforations:

SERVICE:	1/2" - 4"	5" to 14"
Steam:	.033"	.045"
Liquid :	.062"	1/8"

Other materials, such as Monel, Hastelloy C, & Alloy-20 are available. Other perforation sizes and/or mesh lining is also available.

### CONSTRUCTION

As a standard, the body is constructed of Stainless Steel ASTM A351 Gr. CF8M. Both models are available in Alloy 20, Monel & Hastelloy C castings. The bodies of both the S8-150 & S7-150 are designed to meet 150 lb. ANSI specifications. Model S8-150 has RF flanges per ASME B16.5 and model S7-150 ends are machined to match standard weight pipe. All models have machined seats in the body & cover to ensure accurate screen alignment. Each unit is individually hydrostatically tested.

SIZE	in.	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"
	mm	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350
A	S8-150	6 1/2	7 3/8	7 3/8	7	7 1/8	7 7/8	9 3/4	10 1/16	12 1/8	15 5/8	18 1/2	21 3/8	26	29 7/8	36
	S7-150	6 5/8	8 5/16	8 5/16	10 1/8	10 1/4	8 5/8	10 5/8	12	14 1/2	16 3/8	20	23 3/8	27 3/8	32	36
B	S8-150	3 1/2	3 3/4	3 3/4	4 3/4	4 3/4	5 1/4	6 1/2	7	8 1/4	11 1/4	13 1/2	15 1/2	18 1/2	21 3/4	25
	S7-150	3 1/2	3 3/4	3 3/4	5 1/4	5 1/4	5 1/4	6 1/2	7	8 1/4	11 1/4	13 1/2	15 3/4	19	22 1/4	25
C	NPT	3/8	1/2	1/2	1/2	1/2	1/2	1	1	1	1 1/2	2	2	2	2	2
WT (lb)	C8-150	5 1/2	10 1/4	10 1/4	9 3/4	12 1/2	18	28	34	58	90	125	220	320	550	980
	C7-150	3	9	9	12	13	10	14	20	40	60	90	168	250	440	815
Clean Cv (gpm)		30	35	40	40	40	70	100	150	250	390	550	900	1500	2200	3100

Also available in sizes 16" thru 24"

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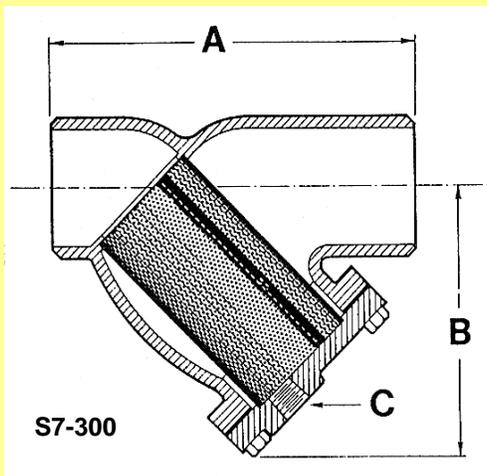
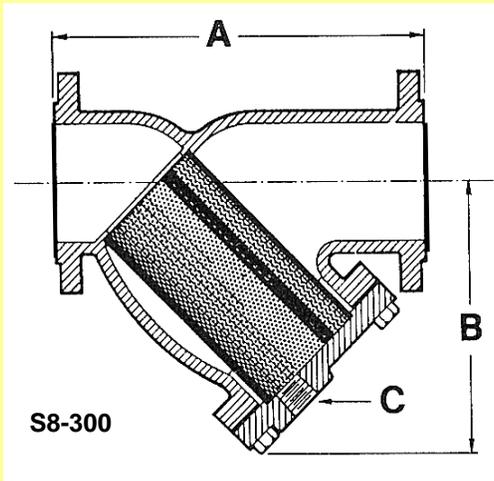
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# 300# CAST 316 STAINLESS STEEL FLANGED & BUTTWELD "Y" STRAINERS

## MODELS: S8-300 & S7-300

PRESSURE-TEMPERATURE RATINGS	
STEAM:	300 psi @ 1125° F
WOG:	720 psi @ 100° F



DIMENSIONS & WEIGHTS APPROXIMATE  
(Apply for certified drawings)

### SERVICE RECOMMENDATIONS

These strainers are designed for dependable service under demanding conditions. They offer complete protection to mechanical equipment such as pumps & valves under corrosive conditions & high pressures. Self cleaning is accomplished by opening the plug or valve connected to the blow-off outlet (not supplied).

### FEATURES

All sizes feature a bolted cover machined to receive the screen. Cover gaskets are stainless steel spiral wound. Studs are ASTM A193 B7 and the nuts are ASTM A194-2H heavy hex. Covers are supplied with a blowoff tapping, but without a plug.

### SCREENS

Fabrotech supplies sturdy 304 SS screens which are normally furnished in the following perforations:

<b>SERVICE:</b>	<b>1/2" - 4"</b>	<b>5" to 14"</b>
<b>Steam:</b>	<b>.033"</b>	<b>.045"</b>
<b>Liquid :</b>	<b>.062"</b>	<b>1/8"</b>

Other materials, such as Monel, Hastelloy C, & Alloy-20 are available. Other perforation sizes and/or mesh lining is also available.

### CONSTRUCTION

Typically, the body is constructed of Stainless Steel ASTM A351 Gr. CF8M. Both models are available in Alloy 20, Monel & Hastelloy C castings. The bodies of both the S8-300 & S7-300 are designed to meet 300 lb. ANSI specifications. Model S8-300 has RF flanges and model S7-300 ends are machined to match standard weight pipe. All models have machined seats in the body & cover to ensure accurate screen alignment. Each unit is individually hydrostatically tested.

SIZE	in.	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"
	mm	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350
A	S8-300	6 1/8	7 3/4	7 7/8	7 1/2	7 5/8	8 5/8	10 5/8	12	14 1/2	16 3/8	20	23 3/8	27 3/8	32	35
	S7-300	6 5/8	8 5/16	8 5/16	10 1/8	10 1/4	8 5/8	10 5/8	12	14 1/2	16 3/8	20	23 3/8	27 3/8	32	35
B	S8-300	3 1/2	3 3/4	3 3/4	4 3/4	4 3/4	5 1/4	6 1/2	7	8 1/4	11 1/4	13 1/2	15 3/4	19	22 1/4	25
	S7-300	3 1/2	3 3/4	3 3/4	5 1/4	5 1/4	5 1/4	6 1/2	7	8 1/4	11 1/4	13 1/2	15 3/4	19	22 1/4	25
C	NPT	3/8	1/2	1/2	1/2	1/2	1/2	1	1	1 1/2	2	2	2	2	2	2
WT (lb)	C8-300	5 1/2	12 1/4	13	18 1/4	18	22	32	49	90	120	175	300	440	650	1075
	C7-300	3	9	9	12	13	10	14	20	40	60	90	168	250	440	765
Clean Cv (gpm)		30	35	40	40	40	70	100	150	250	390	550	900	1500	2200	3100

Also available in sizes 16" thru 24"

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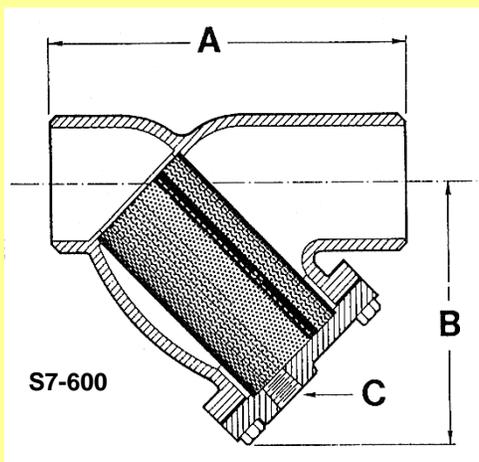
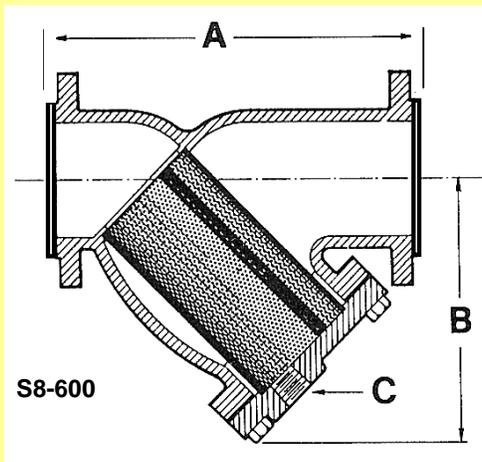
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## 600# CAST 316SS FLANGED & BUTTWELD "Y" STRAINERS

### MODELS: S8-600 & S7-600

PRESSURE-TEMPERATURE RATINGS	
STEAM:	600 psi @ 1125° F
WOG:	1440 psi @ 100° F



#### SERVICE RECOMMENDATIONS

These strainers are designed to ensure complete protection to mechanical equipment from the harmful effects of dirt, scale, etc. The S8-600 is built for a long service life and designed to withstand many different types of corrosive fluids at high pressures and temperatures.

#### FEATURES

All sizes feature a bolted cover machined to receive the screen. S8-600's are drilled in accordance with ANSI B16.5. Bolt holes are either spot faced or flanges are back faced. Each unit is individually hydrostatically tested. Ring Type Joints (RTJ) are available. SS spiral wound gaskets are standard. Chome moly bolting standard.

#### SCREENS

Fabrotech supplies heavy gauge 304 SS screens which are furnished in the following perforations as standard:

<b>SERVICE:</b>	<b>1/2" - 4"</b>	<b>5" to 14"</b>
<b>Steam:</b>	<b>.033"</b>	<b>.045"</b>
<b>Liquid :</b>	<b>.062"</b>	<b>1/8"</b>

Other materials, such as Monel, Hastelloy C, & Alloy-20 are available. Other perforation sizes and/or mesh lining is also available.

#### CONSTRUCTION

Extremely rugged & durable bodies constructed from stock in type 316 stainless steel (ASTM A351, Grade CF8M). Other alloys are available. All sizes contain generously proportioned screens with a minimum capacity of four times the corresponding pipe size. The bodies of both the S8-600 & S7-600 are designed to meet 600 lb. ANSI specifications. Model S8-600 has RF flanges and model S7-600 ends are machined to match schedule 80 pipe. Other bore schedules can be supplied. Fabrotech's models have machined seats in the body & cover which ensure accurate screen alignment.

DIMENSIONS & WEIGHTS APPROXIMATE  
(Apply for certified drawings)

SIZE	in. mm	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
		15	20	25	32	40	50	65	80	100	125	150	200	250	300
A	S8-600	6 5/8	8 5/16	8 5/16	10 1/8	10 1/4	11	12	13 1/2	18	22 1/4	25 5/8	31 3/4	37 3/4	45 1/2
	S7-600	6 5/8	8 5/16	8 5/16	10 1/8	10 1/4	11	12	13 1/2	18	22 1/4	25 5/8	31 3/4	37 3/4	45 1/8
B	S8-600	3 1/2	3 3/4	3 3/4	5 1/2	5 1/2	7	8 1/4	9 1/4	12 1/2	15	20	24	28 1/2	34 1/2
	S7-600	3 1/2	3 3/4	3 3/4	5 1/2	5 1/2	7	8 1/4	9 1/4	12 1/2	15	20	24	28 1/2	34 1/2
C	NPT	3/8	1/2	1/2	1/2	1/2	1	1	1 1/4	1 1/2	2	2	2	2	2
WT (lb.)	S8-600	6	12 1/4	13	19	27	39	60	75	160	260	360	635	1090	1315
	S7-600	3	9	9	12	13	20	34	43	81	134	200	405	706	880
Clean Cv (gpm)		<b>30</b>	<b>35</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>70</b>	<b>100</b>	<b>150</b>	<b>250</b>	<b>390</b>	<b>550</b>	<b>900</b>	<b>1500</b>	<b>2200</b>

Also available in sizes 14" thru 24"

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# 900 LB. CAST STAINLESS STEEL FLANGED & BUTTWELD "Y" STRAINERS

## MODELS: S8-900 & S7-900

PRESSURE-TEMPERATURE RATINGS (B16.5)	
STEAM	900 psi @ 838° F
WOG	2,160 psi @ 100° F

### SERVICE RECOMMENDATIONS

Fabrotech's S8-900 and S7-900 are designed for long term use in high pressure and corrosive applications. They offer complete protection to mechanical equipment such as pumps & valves at high temperatures & pressures.

### FEATURES

All sizes feature a bolted cover machined to receive the screen. Both models (flanged and butt weld) are furnished with stainless steel graphite filled cover gaskets which are designed for high temperature service. Covers are normally furnished blind but socket weld or NPT blowoff connections are available. Specify when ordering.

### SCREENS

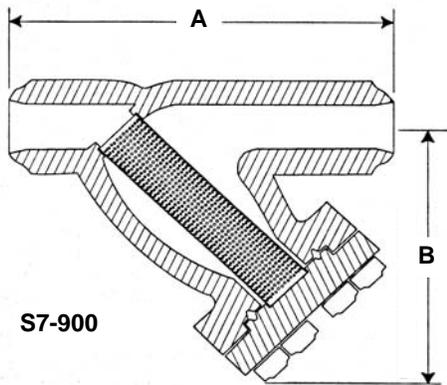
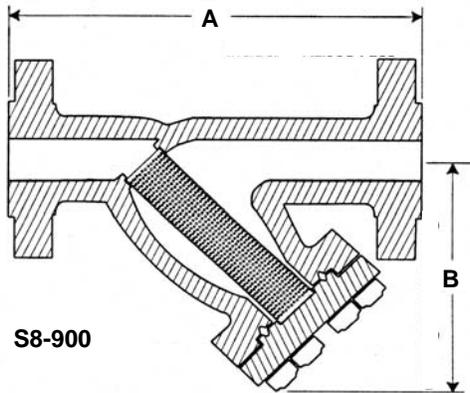
Fabrotech supplies heavy gauge 304 SS screens which are normally furnished in the following perforations:

<b>SERVICE:</b>	<b>1/2" - 4"</b>	<b>5" to 8"</b>
<b>Steam:</b>	.033"	.045"
<b>Liquid :</b>	.062"	1/8"

Other materials, such as Monel, Hastelloy-C, & Alloy-20 are available. Other perforation sizes and/or mesh lining is also available.

### CONSTRUCTION

Extremely rugged bodies available from stock in Stainless Steel ASTM A351 Gr. CF8M. Chrome Moly bolting is standard for all sizes. All models have machined seats in the body & cover to ensure accurate screen alignment. Flanged models have end flanges faced and drilled in accordance with ANSI B16.5. Ring type joint end flanges are available. For S7-900, specify bore schedule of mating pipe for proper machining.



DIMENSIONS & WEIGHTS APPROXIMATE  
(Apply for certified drawings)

### INDIVIDUALLY HYDROSTATICALLY TESTED

SIZE	in. mm	1/2" 15	3/4" 20	1" 25	1 1/4" 32	1 1/2" 40	2" 50	3" 80	4" 100	6" 150	8" 200
A	S8-900	8 1/8	9 1/16	10 3/4	12	12	13 15/16	17 1/2	23 1/4	27 3/4	33 1/4
	S7-900	7 3/8	8 3/16	9 11/16	12	12	13 15/16	17 1/2	23 3/8	27 7/8	33 3/8
B	S8-900	4 1/4	4 3/4	5 3/4	6 3/4	6 3/4	7 1/2	10 3/4	15	18 7/8	23 7/8
	S7-900	4 1/4	4 3/4	5 3/4	6 3/4	6 3/4	7 1/2	10 3/4	15	18 7/8	23 7/8
WT (lb)	S8-900	20	30	52	64 1/2	64 1/2	93	185	250	560	1000
	S7-900	10	17	25	29	36	44 1/2	100	266	430	780
Clean Cv (gpm)		30	35	40	40	40	70	150	250	550	900

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# 125 LB. SIMPLEX THREADED BASKET STRAINER

## MODELS:

**125:** Cast Iron (ASTM A126-B)

**125B:** Bronze (ASTM B62, type 85-5-5)

**125CS:** Carbon Steel (ASTM A216, Gr. WCB)

**125SS:** Stainless Steel (ASTM A351, Gr. CF8M)

## WOG PRESSURE-TEMPERATURE RATINGS

(Note: the 125 series is **not** recommended for steam)

**125: Cast Iron 200 psi @ 150°F**

**125B: Bronze 225 psi @ 150°F**

**125CS: Carbon Steel 285 psi @ 100°F**

**125SS: Stainless Steel 275 psi @ 100°F**

## SERVICE RECOMMENDATIONS

These strainers are used to remove foreign matter from pipe lines and provide inexpensive protection to pumps, meters, valves, etc. In appropriate material, this Fabrotech model can be used for drinking water, cooling water, sea water, etc.

## FEATURES

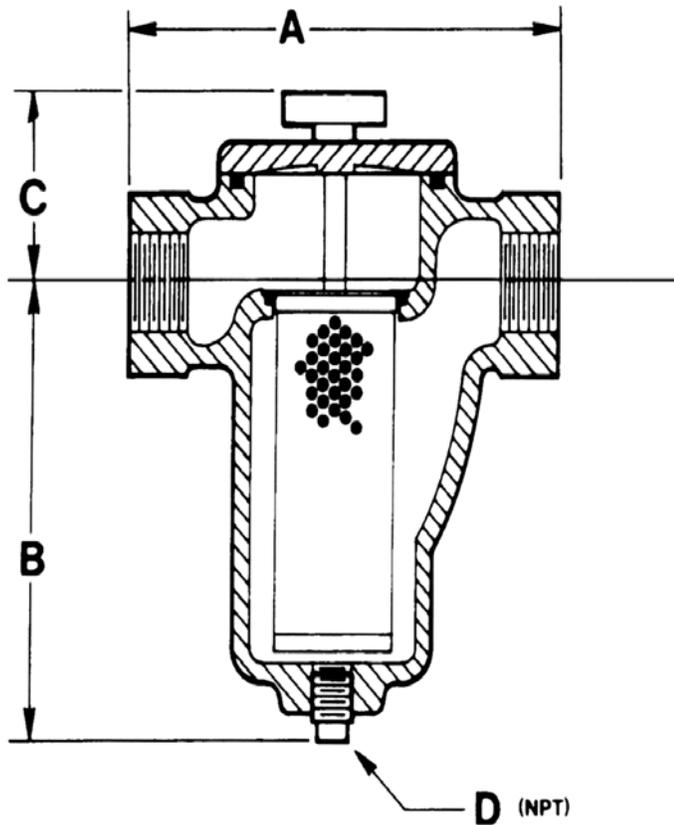
These strainers have been designed for applications where easy maintenance & large capacity straining are needed. Service time is minimal because the cover is secured with quick opening, non-yoke type knobs. Both the cover & the basket use O-ring seals, eliminating the need to replace gaskets each time the strainer is serviced. This, combined with the machined basket seat, eliminates particle bypass. With the appropriate wire mesh lining, these models can be used to strain particles as small as five microns.

## CONSTRUCTION

Cast cover and body. All sizes feature an O-ring cover seal. Baskets and O-ring are sealed in machined seats. Quick release knobs are insert molded with metal threads. A plugged NPT connection is provided ("D"). Coatings are available on application. Standard basket is .062 perf 304 ss. Buna-N O-ring standard for all models except stainless steel, which is supplied with a Viton O-ring.

**CAPACITY:** Minimum 6 to 1 open area ratio.

Fabrotech does not recommend this strainer for steam use.



DIMENSIONS & WEIGHTS ARE APPROXIMATE  
(Apply for certified drawings)

SIZE in.	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
mm	15	20	25	32	40	50	65	80
A	4 9/16	4 9/16	5 5/16	6 5/16	6 5/16	8 1/4	9 5/8	11 1/4
B	4	4	4 11/16	6 1/2	6 1/2	7 7/8	8 3/4	11 3/8
C	2 1/2	2 1/2	2 3/4	3	3	3 5/8	4	4 1/2
D (npt)	3/8	3/8	3/8	1/2	1/2	3/4	1	1
<b>WEIGHTS (lb.)</b>								
Cast Iron	4 3/4	5	6	10	10	19 1/2	28 1/2	47
Bronze	5 1/4	5 1/4	7 3/4	12 1/2	12 1/2	24 1/2	36 1/2	55 1/2
Carbon/Stainless	4 3/4	5	6 1/2	11 1/2	11 1/2	22 3/4	33 3/4	51
Clean Cv	14	16	25	42	42	70	110	150

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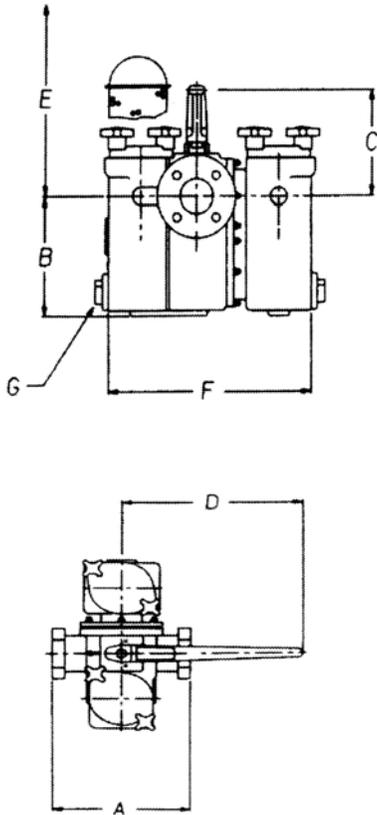
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# DUPLEX STRAINERS 3/4" - 6"

MODELS: #791, 792, 794: (3/4" - 6")

#796: (1" - 3")

PRESSURE - TEMPERATURE RATING	
#791 (CLASS 125)	200 PSI-WOG @ 150°F
#792 (CLASS 150)	285 PSI-WOG @ 100°F
#794 (CLASS 300)	740 PSI-WOG @ 100°F
#796 (CLASS 600)	750 PSI-WOG @ 100°F



## SERVICE RECOMMENDATIONS:

These strainers are designed for use in fluid handling systems where the flow cannot be shut down for basket cleaning such as cooling water, compressors, condensers, fire lines, fuel lines, lubrication systems, and salt and fresh water systems. Not recommended for steam service.

## FEATURES:

These Duplex strainers use 3-way balls as diverter valves. This design with its PTFE seats provide bubble-tight shut-off, eliminating the costly and potentially dangerous leakage into the chamber not in use. The two part body casting allows true-inline maintainability. All parts of the valve are accessible after removing the basket chamber without removing the strainer from the line. A gear operator is standard on the 4" & 6" units, allowing for a very easy change over. On models with a handle, the chamber in use is covered by the handle preventing accidental opening of the pressurized chamber and allowing easy access to the side to be serviced. The large open area ratio of the basket assures a minimum pressure drop across the unit. Perforated stainless steel (304) baskets are standard on all models, with mesh lining optional.

**Testing:** Shell pressure test = 1.5 times the working pressure  
Valve seat test pressure = 80 PSI Air

**Materials:** Cast Iron ASTM A126-B  
Carbon Steel ASTM A216 Grade WCB  
316 Stainless Steel ASTM A351 Grade CF8M  
Bronze ASTM B62 (85-5-5-5)

**Seats:** Teflon™  
**O-Rings:** Buna - N

NOMINAL Size		A	B	C	D	E	F	G	LB	Kg
inches	mm	SCREWED END								
3/4"	10	5 1/2	4 15/16	4 1/16	10	6 7/16	8 11/16	1/2	27	12
1"	25	5 1/2	4 15/16	4 1/16	10	6 7/16	8 11/16	1/2	28	12
1 1/4"	32	7 1/2	6 3/4	4 1/4	10	7 1/5	13 7/8	1 1/4	70	32
1 1/2"	40	7 1/2	6 3/4	4 1/4	10	7 1/5	13 7/8	1 1/4	70	32
2"	50	10	8 1/5	7 1/8	20	12 1/2	14 1/2	1 1/4	94	43
2 1/2"	65	11 5/8	12	8 1/16	20	17 21/32	18 3/8	1 1/2	136	62
3"	80	11 5/8	12	8 1/16	20	17 21/32	18 3/8	1 1/2	136	62

NOMINAL Size		CLASS		FLANGED END							
inches	mm	150	300								
1"	25	6 7/8	6 7/8	4 15/16	4 1/16	10	6 7/16	8 11/16	1/2	33	15
1 1/4"	32	9 3/8	9 3/8	6 3/4	4 1/4	10	7 3/16	13 7/8	1 1/4	60	27
1 1/2"	40	9 3/8	9 3/8	6 3/4	4 1/4	10	7 3/16	13 7/8	1 1/4	60	27
2"	50	10 5/8	10 5/8	8 3/16	7 1/8	20	12 1/2	14 1/2	1 1/4	100	46
2 1/2"	65	13 1/2	12	12	8 1/16	20	17 21/32	18 3/8	1 1/2	160	73
3"	80	13 1/2	12	12	8 1/16	20	17 21/32	18 3/8	1 1/2	160	73
4"	100	16	16 1/2	15 3/4	15 1/2	10+	23 3/8	22 3/4	1 1/2	320	146
5"	150	22	22 7/8	17	17 1/4	10+	25 1/4	24 1/4	1 1/2	610	277
6"	200	22	22 7/8	17	17 1/4	10+	25 1/4	24 1/4	1 1/2	610	277

DIMENSIONS & WEIGHTS  
ARE APPROXIMATE  
(Apply for certified drawings)

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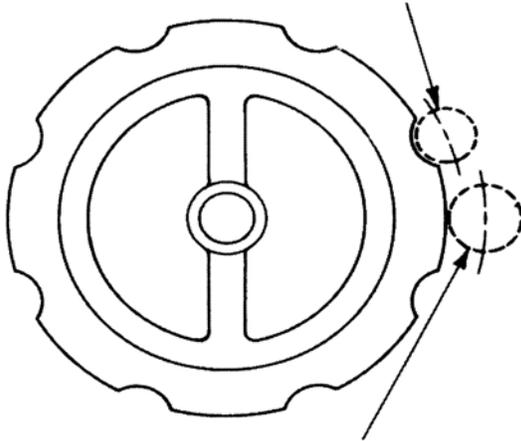
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# 125 LB. CAST IRON BODY SILENT WAFER CHECK VALVE

**MODEL: F91-AP**

**PRESSURE-TEMPERATURE RATINGS**

**WOG: 150 psi @ 100° F**



**SERVICE RECOMMENDATIONS**

The F91-AP is recommended for use in liquid or gas service, where temperatures & pressures are relatively low. These valves are *not* recommended for use in sewage ejector piping nor are they suggested to be installed with reciprocating compressors or pumps.

**FEATURES**

The spring automatically closes when the flow stops which prevents surge and water hammer. The mating surfaces of the seat & disc are handlapped. The disc is fully guided to prevent binding. Parts are field replaceable, without the need for special tools.

**INSTALLATION**

The F91-AP can be installed vertically, horizontally or at an angle. However, if vertical downward flow is intended, please consult factory.

**CONSTRUCTION**

The bodies are constructed from Cast Iron, ASTM A126, Gr. B. The standard seat and disc are made from Bronze (ASTM B62: 85-5-5-5). The spring is stainless steel, ASTM A276, type 302. The 91 series is also available with a stainless steel seat & disc instead of bronze.

Size	in.	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
	mm	38	50	65	80	100	125	150	200	250	300
Face to Face		2 3/8	2 5/8	2 7/8	3 1/8	4	4 5/8	5 9/16	6 1/2	8 1/4	11 1/4
Bolting		4 3/8 X	4 5/8 X	4 5/8 X	4 5/8 X	8 5/8 X	8 3/4 X	8 3/4 X	8 3/4 X	12 7/8 X	24 7/8 X
		5 1/4	5 3/4	6	6 1/2	7 3/4	8 1/2	9 1/2	10 3/4	13	14
WT (lb)		4	5 1/4	8	10	17	27	39	86	159	337

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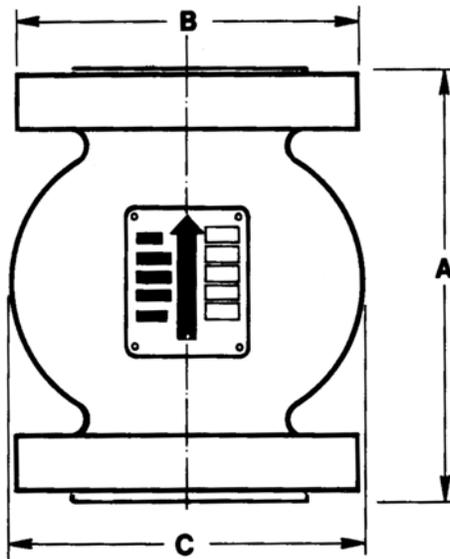
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# CLASS 125 & 250 CAST IRON BODY GLOBE TYPE CHECK VALVE

**MODELS:**           **F105-MAP**  
                           **F107-MAP**

PRESSURE - TEMPERATURE RATINGS		
F105-MAP	WOG: 2" to 12"	200 psi @ 150° F
	WOG: 14" to 24"	150 psi @ 150° F
F107-MAP	WOG: 2" to 12"	500 psi @ 150° F
	WOG: 14" to 24"	300 psi @ 150° F



**SERVICE RECOMMENDATIONS**

These check valves are designed for liquid or gas service in accordance with ANSI rated working pressures. Both models will prevent surge and water hammer because their internal spring will automatically close the disc when flow stops, before reversal occurs.

**FEATURES**

The disc is completely guided, both top and bottom. All sizes feature high lift discs which lift 1/3" per one inch of pipe size. The minimum open area through the valve is equal to 110% of the area of the corresponding pipe size. The internals are replaceable without the need for special tools.

**INSTALLATION**

Both models are effective either installed horizontally or vertically. However, if intended installation is vertical downward flow, please advise factory. In this case, a spring strong enough to support the weight of the disc and hold it to the seat must be provided.

**CONSTRUCTION**

The bodies of the F105-MAP & F107-MAP are constructed from Cast Iron ASTM A126, Grade B. The disc and seat are Bronze ATSM B62 (type 85-5-5-5). The seat is type 316 stainless steel. The guide pins & bushings are silicon bronze. Both models are also available with a stainless steel disc and seat. Either model is available with Bronze (ATSM B62) Carbon Steel (A216 Gr. WCB) or Stainless Steel (ATSM A351 Gr. CF8M) bodies.

Size	in.	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"
	mm.	50	65	80	100	125	150	200	250	300	350	400	450	500	600	750
A	F105MAP	6 1/4	7	7 1/2	8 1/2	9 1/2	10 1/2	13 1/2	16 1/4	20 1/4	22 3/4	24 3/4	22 1/2	24	24	30
	F107MAP	6 3/4	7 5/8	8 1/4	9 1/8	10 3/8	11 3/8	14	17	20 7/8	23 3/8	25 1/2	28	30 1/2	36	-
B	F105MAP	6	7	7 1/2	9	10	11	13 1/2	16	19	21	23 1/2	25	27 1/2	32	38 3/4
	F107MAP	6 1/2	7 1/2	8 1/4	10	11	12 1/2	15	17 1/2	20 1/2	23	25 1/2	28	30 1/2	36	-
C	F105MAP	4 5/8	5 1/2	6 1/4	8 5/8	10	11 1/8	14 5/8	17 3/8	21 3/4	24	26 3/8	29 5/8	32 3/4	37	42 1/2
	F107MAP	4 7/8	5 3/4	6 5/8	8 7/8	10 3/8	11 1/2	15	17 7/8	22 1/8	24 1/4	26 7/8	30	33 1/4	37	-
WT	F105MAP	20	24	32	56	74	95	178	265	454	598	840	892	1140	1540	1980
	F107MAP	24	28	446	76	134	144	242	367	672	725	1000	1238	1775	2500	-

## FABROTECH INDUSTRIES, INC.

2089 NINTH AVENUE, RONKONKOMA, NEW YORK 11779

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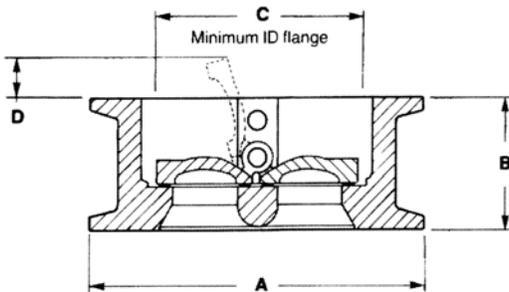
# CLASS 125 CAST IRON BODY DOUBLE DISC CHECK VALVE

**MODEL: F71-AHB-3-H**

PRESSURE - TEMPERATURE RATINGS	
WOG: 2" to 12"	200 psi @ 150° F
WOG: 14" to 54"	150 psi @ 150° F

## SERVICE RECOMMENDATIONS

These check valves are designed for liquid or gas service in accordance with ANSI rated working pressures. The 71 series will prevent surge and water hammer due to flow reversal. The specially designed springs close the discs before flow reversal can occur.



## FEATURES

The 71 series has a short face to face dimension and compact design which allows for use in tight spaces. The internal torsion springs have been designed to exert a lifting motion on the discs, which prevents excessive wear on the elastomer seats. The stop shaft stabilizes the discs during high flow rates. Maintenance can be performed on these units in the field, without the need for special tools.

## INSTALLATION

The 71 series can be mounted either vertically or horizontally; however please consult factory for vertical downward flow. All sizes will fit between ANSI bolt circles.

## CONSTRUCTION

The body of the 71 series is constructed from Cast Iron (ASTM A126). Through the 5 inch size, the standard disc supplied is bronze (ASTM B-62, 85-5-5-5). Sizes 6 inch through 54 inch are available with nickel coated ductile iron discs or bronze discs. Type 316 stainless steel discs are available in all sizes. The standard shaft and spring are made of type 316 stainless steel. The elastomer seat normally furnished is Buna-N. Please consult factory for high temperature service.

Size	in.	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"
	mm.	50	65	80	100	125	150	200	250	300	350	400	450	500	600	750
A	I N C H E S	4 1/8	4 7/8	5 3/8	6 7/8	7 3/4	8 3/4	11	13 3/8	16 1/8	17 3/4	20 1/4	21 5/8	23 7/8	28 1/4	34 3/4
B		2 1/8	2 1/8	2 1/4	2 1/2	2 3/4	3	3 3/4	4 1/4	5 5/8	7 1/4	7 1/2	8	8 3/8	8 3/4	12
C		N/A	1 1/8	2 1/2	3 7/16	4 1/2	5 3/8	7 1/2	9 1/2	11 3/4	12	14 1/2	16 5/16	18 1/4	22 5/8	28 11/16
D		N/A	5/32	5/8	15/16	1 11/32	1 3/4	2 1/2	3 3/8	4 1/8	4 1/8	4 3/8	5 1/8	6	8 1/2	11
WT.	(lbs)	4	5 1/2	7 1/2	13 1/2	17 1/2	26 1/2	50	70	108	170	225	280	390	590	1050

ALSO AVAILABLE IN SIZES 36", 42", 48" & 54".

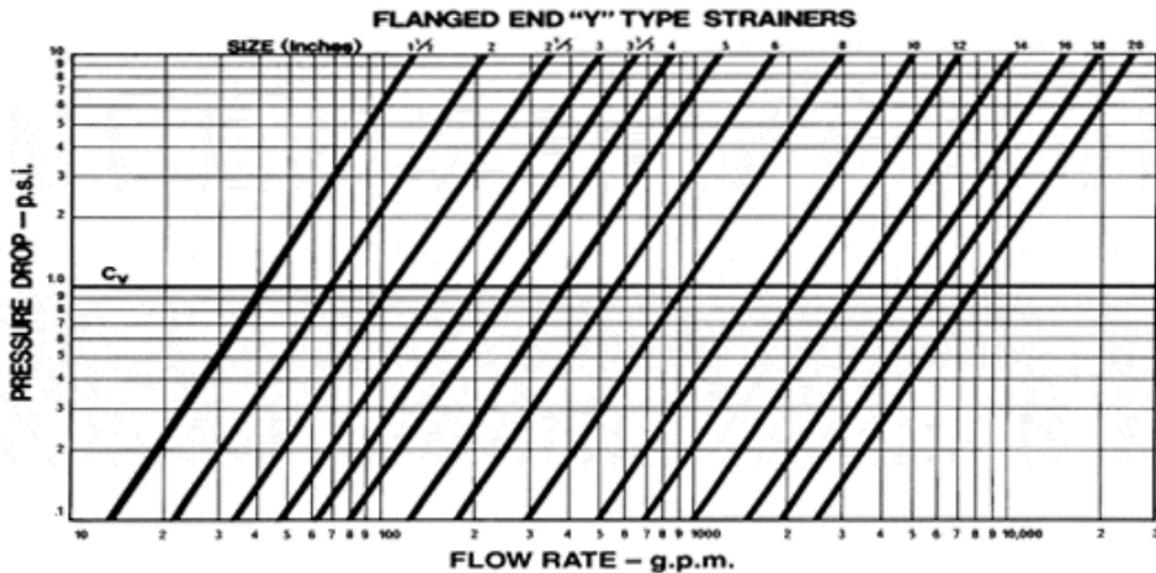
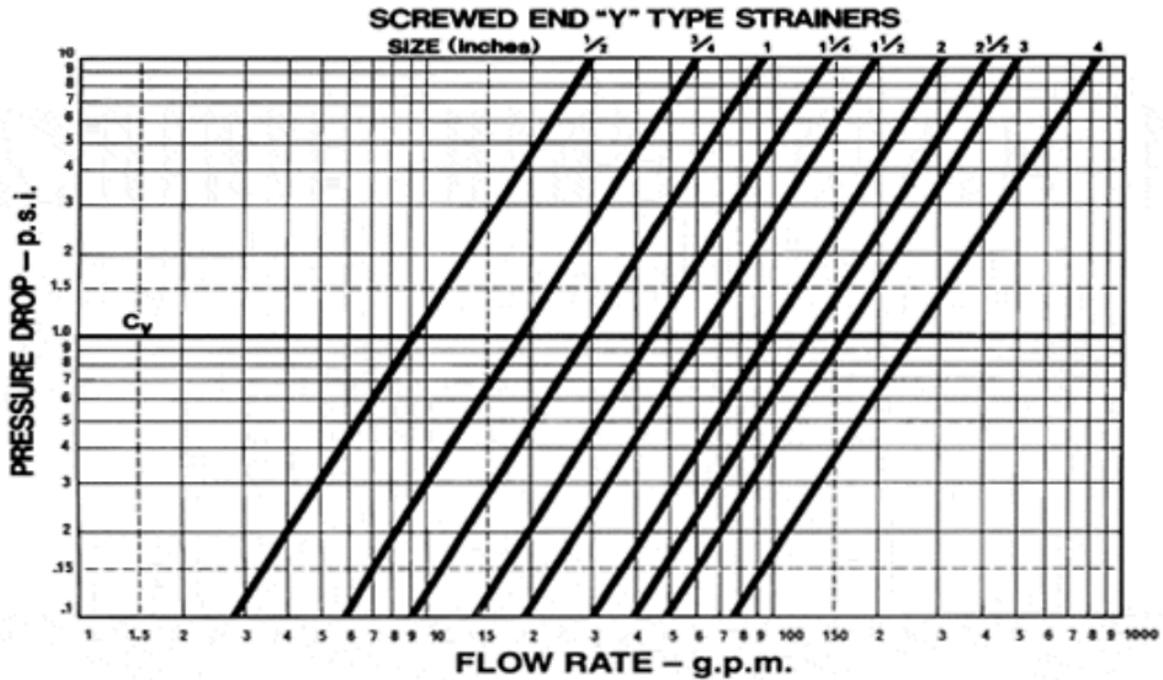
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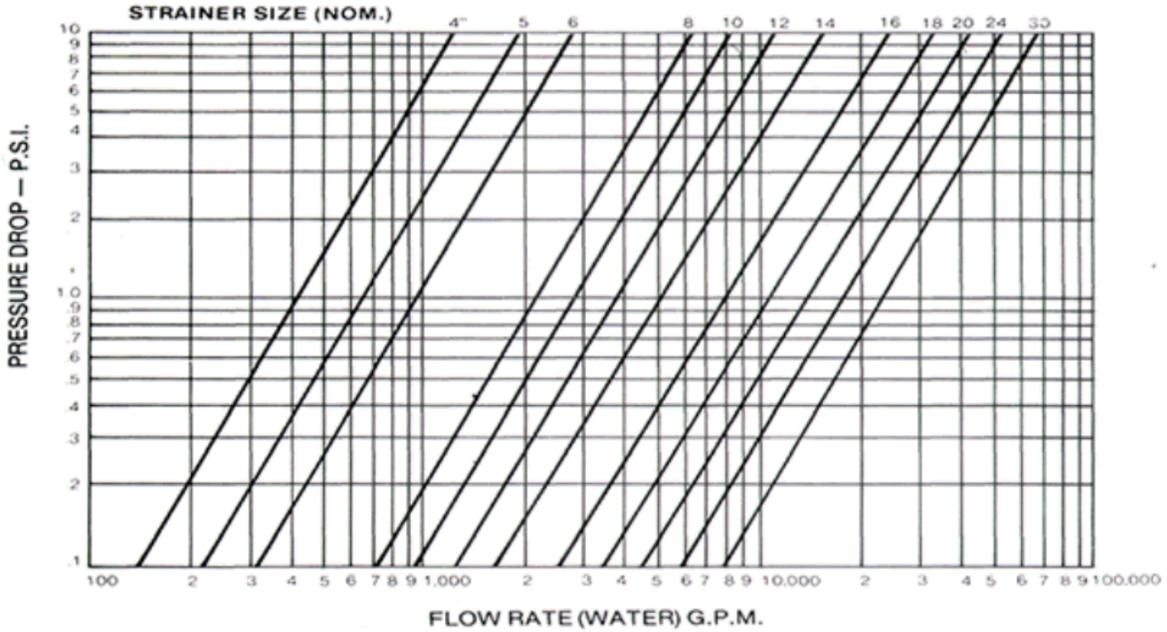
[www.fabrotech.com](http://www.fabrotech.com)

# Pressure Drop Curves for "Y" Type Strainers



# Pressure Drop Curves for Fabricated Strainers

## Model "G" series: Fabricated Tee Type



## Model "H" series: Fabricated Simplex Basket Type

