

MODELS: YCT3

(CARBON STEEL - THREADED)

YCS3

(CARBON STEEL - SOCKET WELD)

YST3

(STAINLESS STEEL - THREADED)

YSS3

(STAINLESS STEEL - SOCKET WELD)

YCTB/YCSB3

(BOLTED COVER DESIGN)

YSTB/YSSB

(BOLTED COVER DESIGN)



SIZE RANGE
CAP COVER: 1/4" ~ 2"
BOLTED COVER: 2" ~ 3"

FEATURES

- ♦ **BOLTED AND CAP COVER DESIGNS**
STAYFLOW'S YCTB3 AND YCSB3 SIZES 2 1/2" AND 3" HAVE A BOLTED COVER AS STANDARD. AN OPTIONAL BOLTED COVER IS ALSO AVAILABLE ON SIZE 2". CAP COVERS ARE STANDARD ON YCT AND YCS SIZES 1/4" - 1 1/2".
- ♦ **RUGGED - HIGH QUALITY DESIGN**
THE YCT AND YCS ARE IDEAL FOR PETROCHEMICAL AND OTHER DEMANDING INDUSTRIAL APPLICATIONS THAT HAVE HIGHER PRESSURE AND TEMPERATURE REQUIREMENTS.
- ♦ **LARGE STRAINING CAPACITY**
WITH ITS LARGE BODY AND SIZABLE STRAINING ELEMENT, THE YCT AND YCS PROVIDE EXCELLENT OPEN AREA RATIOS THAT ARE TYPICALLY TWO-AND-A-HALF TIMES LARGER THAN THE CORRESPONDING PIPELINE.
- ♦ **PRECISION MACHINED SEATS**
PRECISION MACHINED SCREEN SEATS IN BOTH THE BODY AND CAP HELP TO ENSURE ACCURATE POSITIONING OF THE SCREEN DURING REASSEMBLY AFTER CLEANING. ALSO, THE MACHINED BODY SEATS ENABLE FINER FILTRATION BY PREVENTING DEBRIS BYPASS.
- ♦ **SELF-CLEANING CAPABILITY**
WITH THE OPTIONAL SOCKET WELD BLOW-OFF CONNECTION, THIS UNIT CAN BE FITTED WITH A BLOW-DOWN VALVE WHICH FACILITATES CLEANING OF THE STRAINING ELEMENT. PLEASE CONTACT FACTORY FOR MORE INFORMATION.
- ♦ **EPOXY PAINTED**
CARBON UNITS ARE EPOXY PAINTED TO HELP RESIST RUST AND CORROSION. STAYFLOW ALSO OFFERS EPOXY COATING. PLEASE CONTACT FACTORY FOR MORE INFORMATION.

TECHNICAL

PRESSURE/ TEMPERATURE RATING
CS - ASTM A216 GR. WCB - CLASS 600

WOG (Non-shock): 1480 PSI @ 100 °F

PRESSURE/ TEMPERATURE RATING
SS - ASTM A351 GR. CF8M - CLASS 600

WOG (Non-shock): 1440 PSI @ 100 °F

- The above listed temperatures are theoretical and may vary during actual operating conditions.
- Carbon Steel not recommended for prolonged use above 800 °F.
- Stainless Steel not recommended for prolonged use above 1000 °F.

APPLICATIONS

CARBON STEEL PROPERTIES: CARBON STEEL PERFORMS EXCEPTIONALLY WELL IN HIGH TEMPERATURES, UP TO 800°F IN CONTINUOUS SERVICE. IT PROVIDES HIGH RESISTANCE TO SHOCK, VIBRATION, PIPING STRAINS, AND FIRE AND FREEZING HAZARDS. CARBON STEEL STRAINERS ARE OFTEN USED IN THE OIL AND PETROCHEMICAL INDUSTRIES

STAINLESS STEEL PROPERTIES: STAINLESS STEEL IS COMMONLY SPECIFIED FOR HIGH TEMPERATURE SERVICE, UP TO 1000°F IN CONTINUOUS SERVICE. STAINLESS STEEL STRAINERS ARE COMMONLY FOUND IN THE CHEMICAL, FOOD, AND PHARMACEUTICAL INDUSTRIES.

The above data represents common market and service applications. No representation or guarantee, expressed or implied, is given due to the numerous variations of concentrations, temperatures and flow conditions that may occur during actual service.

WYE STRAINER

Threaded Ends

YCT3 (Carbon Steel)

YST3 (Stainless Steel)

Socket Weld Ends

YCS3 (Carbon Steel)

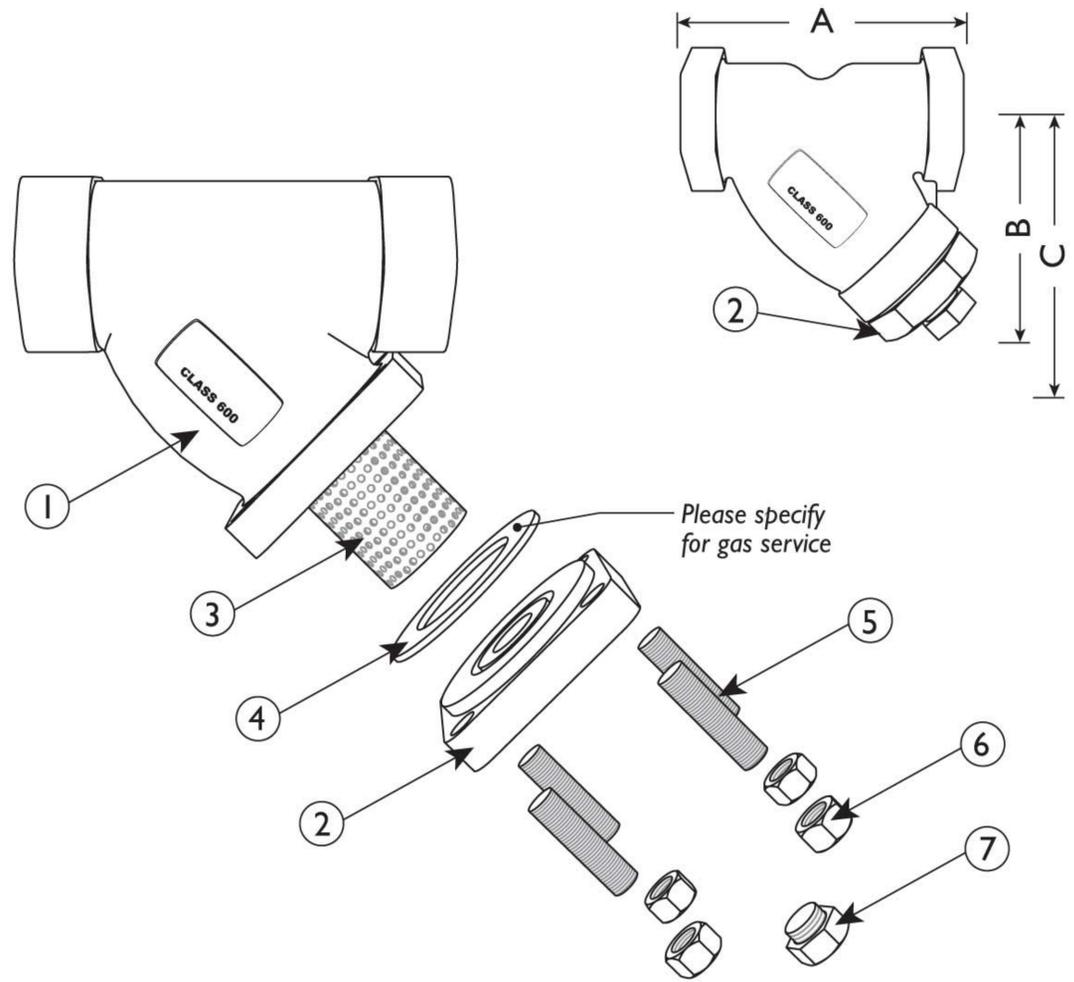
YSS3 (Stainless Steel)

ANSI Class

600

BILL OF MATERIALS ⁽¹⁾

No.	PART	YCS3	YSS3
1	Body ⁽²⁾	Carbon Steel A216 Gr. WCB	Stainless Steel A351 Gr. CF8M
2	Cover/Cap ⁽⁵⁾	Carbon Steel A216 Gr. WCB	Stainless Steel A351 Gr. CF8M
3	Straining Element ⁽³⁾	Stainless Steel	Stainless Steel
4	Gasket ⁽³⁾⁽⁴⁾	Stainless Steel Spiral Wound	Stainless Steel Spiral Wound
5	Studs ⁽⁵⁾ BC models only	Alloy Steel	Alloy Steel
6	Nuts ⁽⁵⁾ BC models only	Alloy Steel	Alloy Steel
7	Plug	Carbon Steel	Stainless Steel



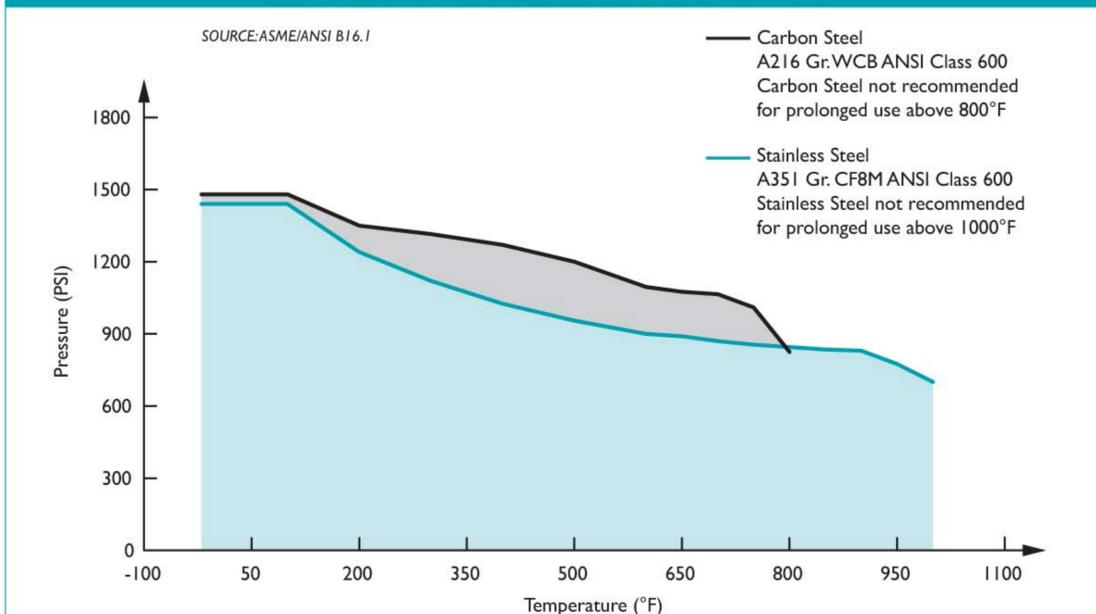
- Bill of Materials represents standard materials. Equivalent or better materials may be substituted at the manufacturer's discretion.
- Available in additional body materials, such as LCB, WC6, WC9, 316L, Alloy 20, and Monel.
- Denotes recommended spare parts.
- The cover gasket is encapsulated in a machined recessed seat. A wide range of gasket materials are available; contact factory.
- Only bolted cover designs (2 1/2", 3", and optional 2") have Parts 5 and 6 (Studs and Nuts). Threaded cap covers are standard on Sizes 1/4" through 1 1/2". Size 2" is available with either a bolted or cap cover.
- Carbon Steel bodies are epoxy painted.

DIMENSIONS AND PERFORMANCE DATA ⁽¹⁾

SIZE	in	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2 ⁽³⁾	2 1/2 ⁽⁴⁾	3 ⁽⁴⁾
	mm	8	10	15	20	25	32	40	50	65	80
A DIMENSION THREADED COVER	in	2.93	2.93	2.93	3.68	4.56	4.93	5.56	6.93	n/a	n/a
	mm	75	75	75	94	116	126	142	177	n/a	n/a
A DIMENSION BOLTED COVER	in	BOLTED COVER NOT AVAILABLE IN SIZES 1/4" - 1 1/2"							7.50	12.00	12.00
	mm	BOLTED COVER NOT AVAILABLE IN SIZES 1/4" - 1 1/2"							191	305	305
B DIMENSION CENTER LINE TO BOTTOM	in	2.37	2.37	2.37	2.81	3.68	4.12	4.75	6.00	10.50	10.50
	mm	61	61	61	72	94	105	121	153	267	267
C DIMENSION SCREEN REMOVAL	in	2.62	2.62	2.62	3.37	4.75	5.25	6.00	7.25	16.00	16.00
	mm	67	67	67	86	121	134	153	184	407	407
D NPT Plug BLOW-OFF	in	1/4	1/4	1/4	3/8	3/8	3/4	3/4	1	1 1/4	1 1/4
	mm	8	8	8	10	10	20	20	25	32	32
APPROXIMATE ASSEMBLED WEIGHT	lb	1.5	1.5	1.5	2.5	5.0	5.5	9.0	13.0	46.0	43.0
	kg	0.7	0.7	0.7	1.1	2.3	2.5	4.1	5.9	20.9	19.5
Flow Coefficient	C _v	0.7	2	8	15	22	38	42	70	110	160

- Dimensions and weights are for reference only. When required, request certified drawings.
- Face to face values have a tolerance of ±0.06 in (±2.0 mm) for sizes 10" and lower.
- Size 2" is available in either a cap or bolted cover; please specify when ordering. Weight given is for model with cap cover.
- Sizes 2 1/2" and 3" have bolted covers.

PRESSURE - TEMPERATURE RATINGS



PRESSURE - TEMPERATURE RATING

Body Material	A216 Gr. WCB	A351 Gr. CF8M
WOG (Non-shock):	1480 PSI @ 100 °F	1440 PSI @ 100 °F

REFERENCED STANDARDS & CODES

CODE	DESCRIPTION
ANSI/ASME B1.20.1	National Pipe Thread Taper
ASME/ANSI B16.11	Forged Steel Fittings, Socket-Welding & Threaded
ASME/ANSI B16.34	Flanged, Threaded, and Welding End

STANDARD SCREEN SELECTIONS

Size	Liquid	Open Area	Steam	Open Area
1/2" ~ 3"	1/16 (.0625)	41%	1/32 (.033)	28%

MODELS: YCT5

(CARBON STEEL - THREADED)

YCS5

(CARBON STEEL - SOCKET WELD)

YST5

(STAINLESS STEEL - THREADED)

YSS5

(STAINLESS STEEL - SOCKET WELD)



SIZES: 1/2" ~ 3"

FEATURES

♦ **RUGGED - HIGH QUALITY DESIGN**

STAYFLOW'S YC/ST5 AND YC/SS5 ARE IDEAL FOR PETROCHEMICAL AND OTHER DEMANDING INDUSTRIAL APPLICATIONS THAT HAVE HIGHER PRESSURE AND TEMPERATURE REQUIREMENTS. THEY ARE DUAL RATED FOR ANSI CLASS 600 AND 1500.

♦ **LARGE STRAINING CAPACITY**

WITH ITS LARGE BODY AND SIZABLE STRAINING ELEMENT, THE YC/ST5 AND YC/SS5 PROVIDE EXCELLENT OPEN AREA RATIOS THAT ARE TYPICALLY TWO-AND-A-HALF TIMES LARGER THAN THE CORRESPONDING PIPELINE.

♦ **PRECISION MACHINED SEATS**

PRECISION MACHINED SCREEN SEATS IN BOTH THE BODY AND CAP HELP TO ENSURE ACCURATE POSITIONING OF THE SCREEN DURING REASSEMBLY AFTER CLEANING. ALSO, THE MACHINED BODY SEATS ENABLE FINER FILTRATION BY PREVENTING DEBRIS BYPASS.

♦ **ENCAPSULATED "CG" STYLE GASKET**

THE "CG" STYLE COVER GASKET PROVIDES ADDITIONAL RADIAL STRENGTH TO PREVENT GASKET BLOWOUT. IT ALSO ACTS AS A COMPRESSION STOP.

♦ **SELF-CLEANING CAPABILITY**

WITH THE OPTIONAL SOCKET WELD BLOW-OFF CONNECTION, THIS UNIT CAN BE FITTED WITH A BLOW-DOWN VALVE WHICH FACILITATES CLEANING OF THE STRAINING ELEMENT. PLEASE CONTACT FACTORY FOR MORE INFORMATION.

♦ **EPOXY PAINTED**

CARBON UNITS ARE EPOXY PAINTED TO HELP RESIST RUST AND CORROSION. STAYFLOW ALSO OFFERS EPOXY COATING. PLEASE CONTACT FACTORY FOR MORE INFORMATION.

TECHNICAL

**PRESSURE/ TEMPERATURE RATING
CS - ASTM A216 GR. WCB - CLASS 1500**

WOG (Non-shock): 3705 PSI @ 100 °F

**PRESSURE/ TEMPERATURE RATING
SS - ASTM A351 GR. CF8M - CLASS 1500**

WOG (Non-shock): 3600 PSI @ 100 °F

- The above listed temperatures are theoretical and may vary during actual operating conditions.
- Carbon Steel not recommended for prolonged use above 800 °F.
- Stainless Steel not recommended for prolonged use above 1000 °F.

APPLICATIONS

CARBON STEEL PROPERTIES: CARBON STEEL PERFORMS EXCEPTIONALLY WELL IN HIGH TEMPERATURES, UP TO 800°F IN CONTINUOUS SERVICE. IT PROVIDES HIGH RESISTANCE TO SHOCK, VIBRATION, PIPING STRAINS, AND FIRE AND FREEZING HAZARDS. CARBON STEEL STRAINERS ARE OFTEN USED IN THE OIL AND PETROCHEMICAL INDUSTRIES

STAINLESS STEEL PROPERTIES: STAINLESS STEEL IS COMMONLY SPECIFIED FOR HIGH TEMPERATURE SERVICE, UP TO 1000°F IN CONTINUOUS SERVICE. STAINLESS STEEL STRAINERS ARE COMMONLY FOUND IN THE CHEMICAL, FOOD, AND PHARMACEUTICAL INDUSTRIES.

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WYE STRAINER

Threaded Ends

YCT (Carbon Steel)
YST (Stainless Steel)

Socket Weld Ends

YCS (Carbon Steel)
YCT (Stainless Steel)

ANSI Class
1500

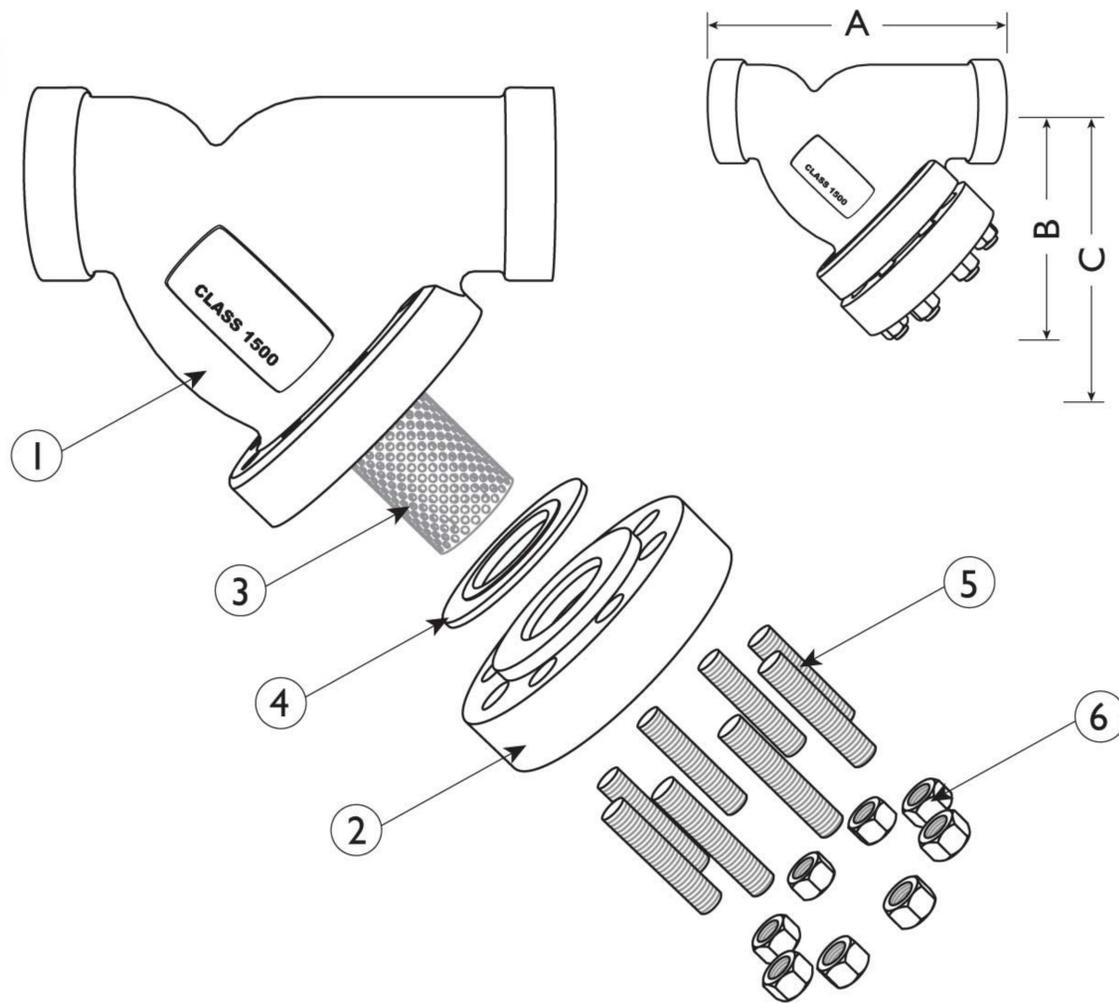
BILL OF MATERIALS ⁽¹⁾

No.	PART	YCS	YSS
1	Body	Carbon Steel A216 Gr. WCB	Stainless Steel A351 Gr. CF8M
2	Cover	Carbon Steel A216 Gr. WCB	Stainless Steel A351 Gr. CF8M
3	Straining Element ⁽²⁾	Stainless Steel	Stainless Steel
4	Gasket ⁽²⁾	Stainless Steel CG Style	Stainless Steel CG Style
5	Studs	Alloy Steel	Alloy Steel
6	Nuts	Alloy Steel	Alloy Steel

1. Bill of Materials represents standard materials. Equivalent or better materials may be substituted at the manufacturer's discretion.
2. Denotes recommended spare parts.
3. Carbon Steel bodies are epoxy painted.

Additional Design & Technical Notes:

- NPT blow-offs are not recommended for ANSI Class 1500 strainers. An optional socket weld blow-off is available. Contact factory for details.
- A wide range of optional gasket materials are available.
- Bodies are also available in high temperature steel A217 Gr. WC6, WC9, and other materials. Please contact factory for price and delivery.



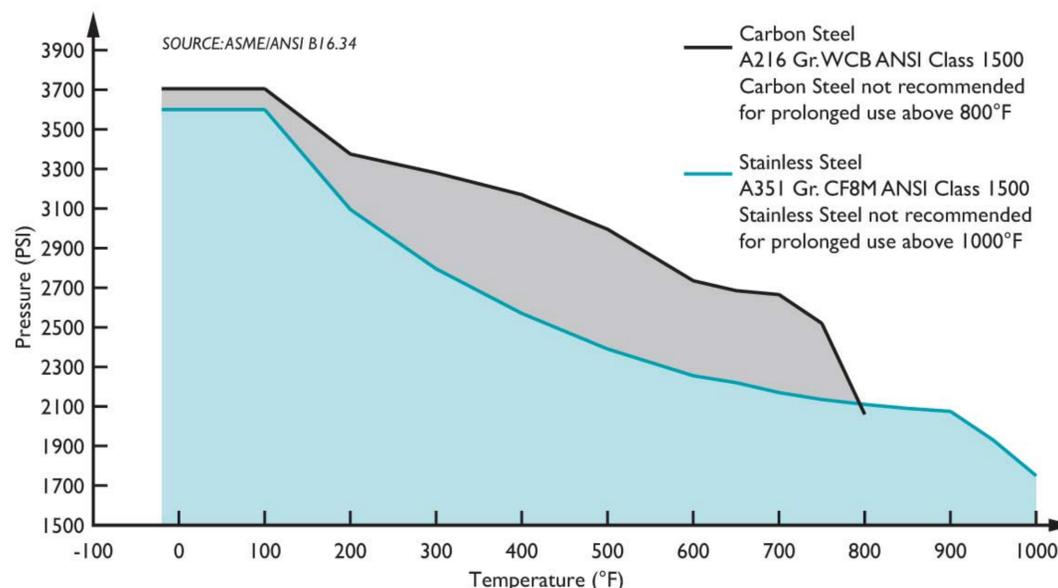
Illustrations are representative of sizes 1/2" through 3".
Please ask for certified drawings when required.

DIMENSIONS AND PERFORMANCE DATA ⁽¹⁾

SIZE	in	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2 ⁽³⁾	3 ⁽³⁾
	mm	15	20	25	32	40	50	65	80
A DIMENSION FACE TO FACE ⁽²⁾	in	3.94	4.25	6.00	8.37	8.37	10.50	C/F	C/F
	mm	101	108	153	213	213	267	C/F	C/F
B DIMENSION CENTER LINE TO BOTTOM	in	3.00	3.75	5.75	5.50	5.50	9.25	C/F	C/F
	mm	77	96	147	140	140	235	C/F	C/F
C DIMENSION SCREEN REMOVAL	in	4.25	5.25	7.00	8.00	8.00	11.00	C/F	C/F
	mm	108	134	178	204	204	280	C/F	C/F
APPROXIMATE ASSEMBLED WEIGHT	lb	4.5	8.0	12.0	27.0	26.5	44.5	96.0	104.0
	kg	2.0	3.7	5.4	12.2	12.0	20.2	43.5	47.2
Flow Coefficient	C _v	6	11	16	32	34	60	140	140

1. Dimensions and weights are for reference only. When required, request certified drawings.
2. Face to face values have a tolerance of ±0.06 in (±2.0 mm) for sizes 10" and lower.
3. Contact factory before ordering a 2-1/2" or 3" to get dimensions and performance data.

PRESSURE - TEMPERATURE RATINGS



REFERENCED STANDARDS & CODES

CODE	DESCRIPTION
ASME/ANSI B16.11	Forged Steel Fittings, Socket-Welding & Threaded
ASME/ANSI B16.34	Flanged, Threaded, and Welding End

STANDARD SCREEN SELECTIONS

Size	Liquid	Open Area	Steam	Open Area
1/2" ~ 3"	1/16 (.0625)	41%	1/32 (.033)	28%

PRESSURE - TEMPERATURE RATING

Body Material	A216 Gr. WCB	A351 Gr. CF8M
WOG (Non-shock):	3705 PSI @ 100 °F	3600 PSI @ 100 °F

MODELS: **YCS6**
(CARBON STEEL)

YSS6
(STAINLESS STEEL)

SIZES: 3/4" ~ 2"



Also available in WC6, WC9, 316L, and Alloy 20!

FEATURES

♦ **RUGGED - HIGH QUALITY DESIGN**

STAYFLOW'S YC/S6 IS IDEAL FOR POWER GENERATION AND OTHER DEMANDING INDUSTRIAL APPLICATIONS THAT HAVE HIGHER PRESSURE AND TEMPERATURE REQUIREMENTS. THIS UNIT EMPLOYES HEAVY GAUGE, REINFORCED SCREENS TO PREVENT DAMAGE TO THE STRAINING ELEMENT. BOLT HOLES ARE ALSO BACK OR SPOT FACED.

♦ **LARGE STRAINING CAPACITY**

WITH ITS LARGE BODY AND SIZABLE STRAINING ELEMENT, THE YC/S6 PROVIDES EXCELLENT OPEN AREA RATIOS THAT ARE TYPICALLY TWO-AND-A-HALF TIMES LARGER THAN THE CORRESPONDING PIPELINE.

♦ **PRECISION MACHINED SEATS**

PRECISION MACHINED SCREEN SEATS IN BOTH THE BODY AND CAP HELP TO ENSURE ACCURATE POSITIONING OF THE SCREEN DURING REASSEMBLY AFTER CLEANING. ALSO, THE MACHINED BODY SEATS ENABLE FINER FILTRATION BY PREVENTING DEBRIS BYPASS.

♦ **ENCAPSULATED "CG" STYLE GASKET**

THE "CG" STYLE COVER GASKET PROVIDES ADDITIONAL RADIAL STRENGTH TO PREVENT GASKET BLOWOUT. IT ALSO ACTS AS A COMPRESSION STOP.

♦ **SELF-CLEANING CAPABILITY**

WITH THE OPTIONAL SOCKET WELD BLOW-OFF CONNECTION, THIS UNIT CAN BE FITTED WITH A BLOW-DOWN VALVE WHICH FACILITATES CLEANING OF THE STRAINING ELEMENT. PLEASE CONTACT FACTORY FOR MORE INFORMATION.

♦ **EPOXY PAINTED**

CARBON UNITS ARE EPOXY PAINTED TO HELP RESIST RUST AND CORROSION. STAYFLOW ALSO OFFERS EPOXY COATING. PLEASE CONTACT FACTORY FOR MORE INFORMATION.

TECHNICAL

PRESSURE/TEMPERATURE RATING
CS - ASTM A216 GR. WCB - CLASS 2500

WOG (Non-shock): 6170 PSI @ 100 °F

PRESSURE/TEMPERATURE RATING
SS - ASTM A351 GR. CF8M - CLASS 2500

WOG (Non-shock): 6000 PSI @ 100 °F

- The above listed temperatures are theoretical and may vary during actual operating conditions.
- Carbon Steel not recommended for prolonged use above 800 °F.
- Stainless Steel not recommended for prolonged use above 1000 °F.

APPLICATIONS

CARBON STEEL PROPERTIES: CARBON STEEL PERFORMS EXCEPTIONALLY WELL IN HIGH TEMPERATURES, UP TO 800°F IN CONTINUOUS SERVICE. IT PROVIDES HIGH RESISTANCE TO SHOCK, VIBRATION, PIPING STRAINS, AND FIRE AND FREEZING HAZARDS. CARBON STEEL STRAINERS ARE OFTEN USED IN THE OIL AND PETROCHEMICAL INDUSTRIES.

STAINLESS STEEL PROPERTIES: STAINLESS STEEL IS COMMONLY SPECIFIED FOR HIGH TEMPERATURE SERVICE, UP TO 1000°F IN CONTINUOUS SERVICE. STAINLESS STEEL STRAINERS ARE COMMONLY FOUND IN THE CHEMICAL, FOOD, AND PHARMACEUTICAL INDUSTRIES.

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312-428-4750 www.stayflowproducts.com

WYE STRAINER

YCS6 - (Carbon Steel)

YSS6 - (Stainless Steel)

Socket Weld Ends • Carbon & Stainless Steel

ANSI Class

2500

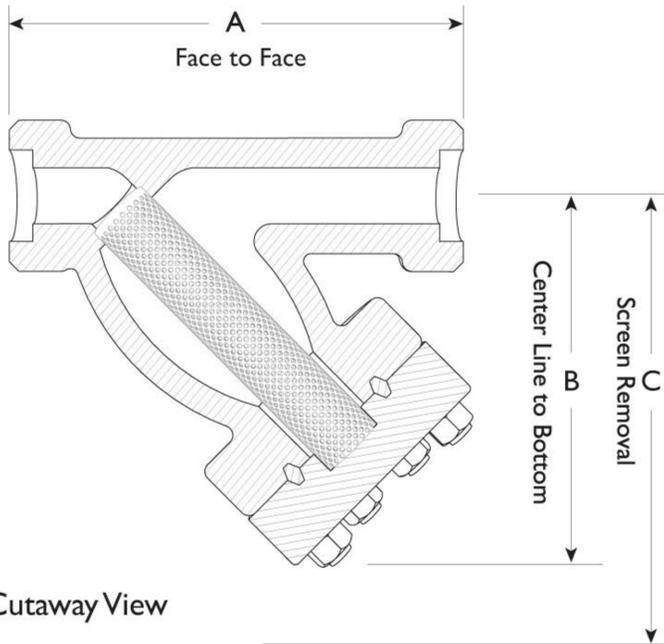
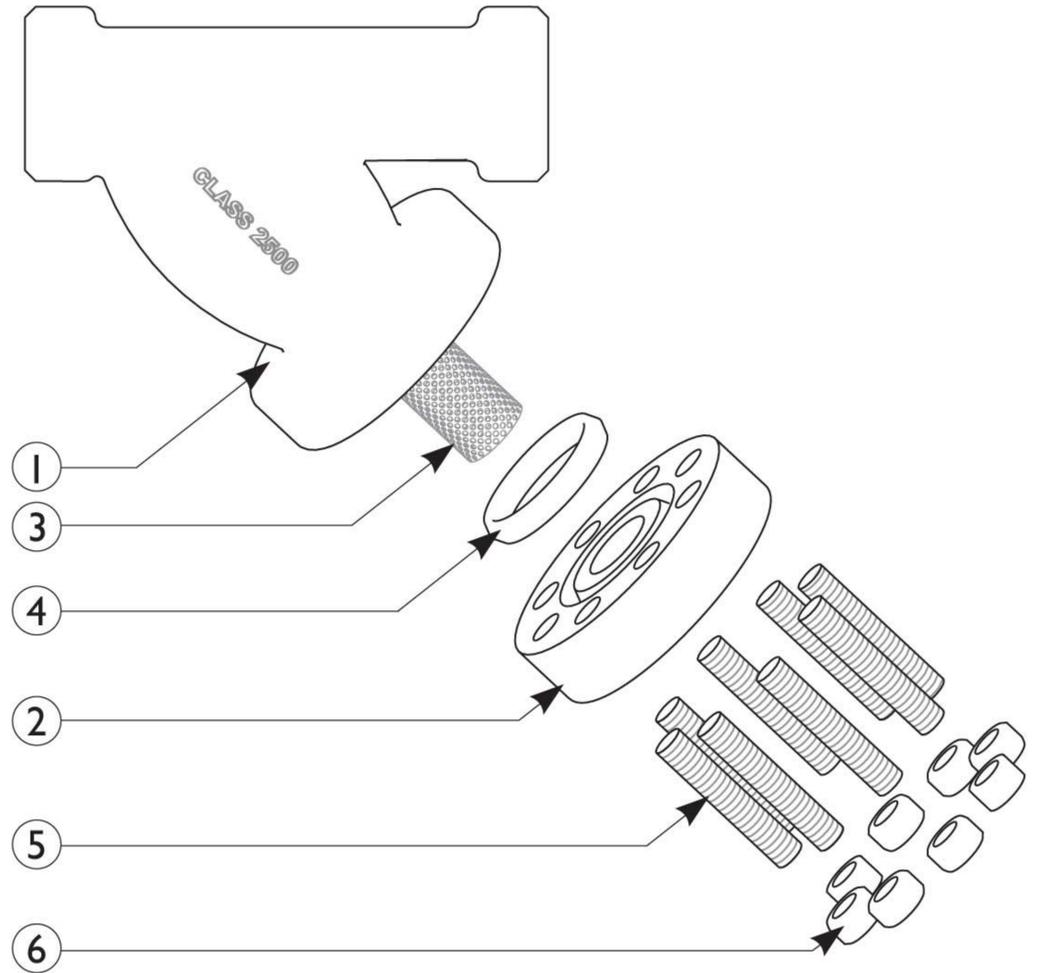
BILL OF MATERIALS ⁽¹⁾

No.	PART	YCS	YSS
1	Body	Carbon Steel A216 Gr.WCB	Stainless Steel A351 Gr.CF8M Type 316
2	Cover	Carbon Steel A216 Gr.WCB	Stainless Steel A351 Gr.CF8M Type 316
3	Straining Element ⁽²⁾	Stainless Steel	Stainless Steel
4	Gasket ⁽²⁾	RTJ Gasket Stainless Steel	RTJ Gasket Stainless Steel
5	Studs	Alloy Steel	Alloy Steel
6	Nuts	Alloy Steel	Alloy Steel

1. Bill of Materials represents standard materials. Equivalent or better materials may be substituted at the manufacturer's discretion.
2. Denotes recommended spare parts.
3. Carbon Steel bodies are epoxy painted.

Additional Design & Technical Notes:

- An optional socket weld blow-off is available. Please contact factory.
- NPT blow-offs are not recommended for ANSI Class 2500 strainers.
- Bodies are also available in WC6, WC9, 316L, and Alloy 20. Please contact factory for price and delivery.



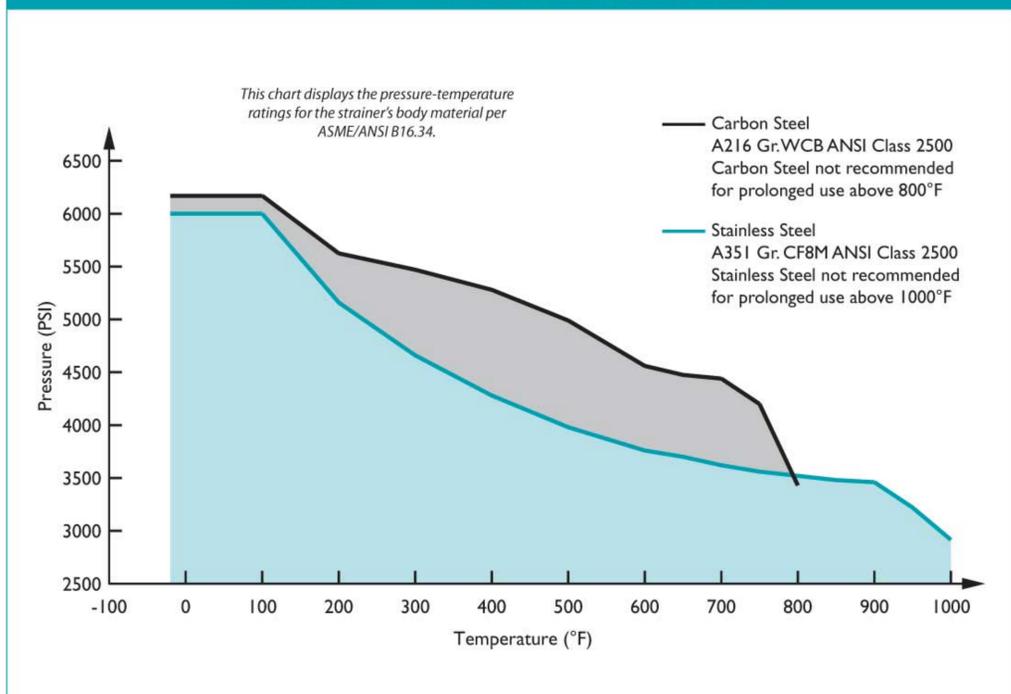
Cutaway View

DIMENSIONS AND PERFORMANCE DATA ⁽¹⁾

SIZE	in	3/4	1	1 1/2	2
	mm	20	25	40	50
A DIMENSION FACE TO FACE ⁽²⁾	in	9.25	9.25	12.0	12.0
	mm	235	235	305	305
B DIMENSION CENTER LINE TO BOTTOM	in	8.55	8.55	9.0	9.0
	mm	217	217	229	229
C DIMENSION SCREEN REMOVAL	in	11.0	11.0	14.0	14.0
	mm	279	279	356	356
APPROXIMATE ASSEMBLED WEIGHT	lb	34.5	31.0	75.0	75.0
	kg	16.7	14.1	34.0	34.0
Flow Coefficient	C _v	9	9	30	42

1. Dimensions, weights, and flow coefficients are for reference only. When required, request certified drawings.
2. Face to face values have a tolerance of ±0.06 in (±2.0 mm).

PRESSURE - TEMPERATURE RATINGS



PRESSURE - TEMPERATURE RATING

Body Material	A216 Gr.WCB	A351 Gr. CF8M
WOG (Non-shock):	6170 PSI @ 100 °F	6000 PSI @ 100 °F

STANDARD SCREEN SELECTIONS

Size	Liquid	Open Area	Steam	Open Area
3/4" ~ 2"	1/16 (.0625)	41%	1/32 (.033)	28%

REFERENCED STANDARDS & CODES

CODE	DESCRIPTION
ASME/ANSI B16.11	Forged Steel Fittings, Socket-Welding and Threaded
ASME/ANSI B16.34	Flanged, Threaded, and Welding End

MODELS: YCT

(CARBON STEEL - THREADED)

YCS

(CARBON STEEL - SOCKET WELD)

YST

(STAINLESS STEEL - THREADED)

YSS

(STAINLESS STEEL - SOCKET WELD)

YCTB/YCSB

(BOLTED COVER DESIGN)

YSTB/YSSB

(BOLTED COVER DESIGN)



SIZE RANGE
CAP COVER: 1/4" ~ 2"
BOLTED COVER: 2" ~ 3"

FEATURES

- ♦ **BOLTED AND CAP COVER DESIGNS**
STAYFLOW'S YCTB3 AND YCSB3 SIZES 2 1/2" AND 3" HAVE A BOLTED COVER AS STANDARD. AN OPTIONAL BOLTED COVER IS ALSO AVAILABLE ON SIZE 2". CAP COVERS ARE STANDARD ON YCT AND YCS SIZES 1/4" - 1 1/2".
- ♦ **RUGGED - HIGH QUALITY DESIGN**
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- ♦ **LARGE STRAINING CAPACITY**
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- ♦ **PRECISION MACHINED SEATS**
PRECISION MACHINED SCREEN SEATS IN BOTH THE BODY AND CAP HELP TO ENSURE ACCURATE POSITIONING OF THE SCREEN DURING REASSEMBLY AFTER CLEANING. ALSO, THE MACHINED BODY SEATS ENABLE FINER FILTRATION BY PREVENTING DEBRIS BYPASS.
- ♦ **SELF-CLEANING CAPABILITY**
WITH THE OPTIONAL SOCKET WELD BLOW-OFF CONNECTION, THIS UNIT CAN BE FITTED WITH A BLOW-DOWN VALVE WHICH FACILITATES CLEANING OF THE STRAINING ELEMENT. PLEASE CONTACT FACTORY FOR MORE INFORMATION.
- ♦ **EPOXY PAINTED**
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TECHNICAL

PRESSURE/ TEMPERATURE RATING
CS - ASTM A216 GR. WCB - CLASS 600

WOG (Non-shock): 1480 PSI @ 100 °F

PRESSURE/ TEMPERATURE RATING
SS - ASTM A351 GR. CF8M - CLASS 600

WOG (Non-shock): 1440 PSI @ 100 °F

- The above listed temperatures are theoretical and may vary during actual operating conditions.
- Carbon Steel not recommended for prolonged use above 800 °F.
- Stainless Steel not recommended for prolonged use above 1000 °F.

APPLICATIONS

CARBON STEEL PROPERTIES: CARBON STEEL PERFORMS EXCEPTIONALLY WELL IN HIGH TEMPERATURES, UP TO 800°F IN CONTINUOUS SERVICE. IT PROVIDES HIGH RESISTANCE TO SHOCK, VIBRATION, PIPING STRAINS, AND FIRE AND FREEZING HAZARDS. CARBON STEEL STRAINERS ARE OFTEN USED IN THE OIL AND PETROCHEMICAL INDUSTRIES

STAINLESS STEEL PROPERTIES: STAINLESS STEEL IS COMMONLY SPECIFIED FOR HIGH TEMPERATURE SERVICE, UP TO 1000°F IN CONTINUOUS SERVICE. STAINLESS STEEL STRAINERS ARE COMMONLY FOUND IN THE CHEMICAL, FOOD, AND PHARMACEUTICAL INDUSTRIES.

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WYE STRAINER

Threaded Ends

YCT (Carbon Steel)

YST (Stainless Steel)

Socket Weld Ends

YCS (Carbon Steel)

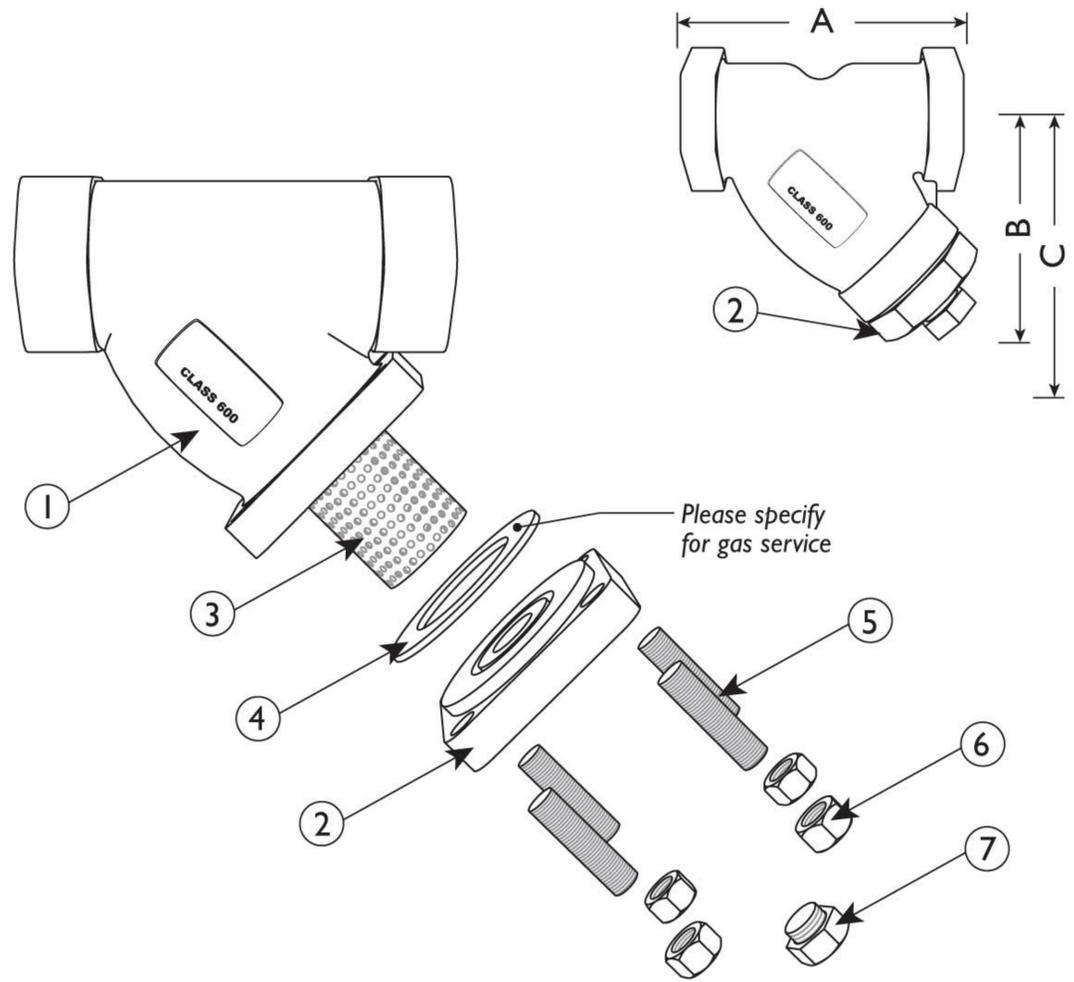
YSS (Stainless Steel)

ANSI Class

600

BILL OF MATERIALS ⁽¹⁾

No.	PART	YCS	YSS
1	Body ⁽²⁾	Carbon Steel A216 Gr. WCB	Stainless Steel A351 Gr. CF8M
2	Cover/Cap ⁽⁵⁾	Carbon Steel A216 Gr. WCB	Stainless Steel A351 Gr. CF8M
3	Straining Element ⁽³⁾	Stainless Steel	Stainless Steel
4	Gasket ⁽³⁾⁽⁴⁾	Stainless Steel Spiral Wound	Stainless Steel Spiral Wound
5	Studs ⁽⁵⁾ BC models only	Alloy Steel	Alloy Steel
6	Nuts ⁽⁵⁾ BC models only	Alloy Steel	Alloy Steel
7	Plug	Carbon Steel	Stainless Steel



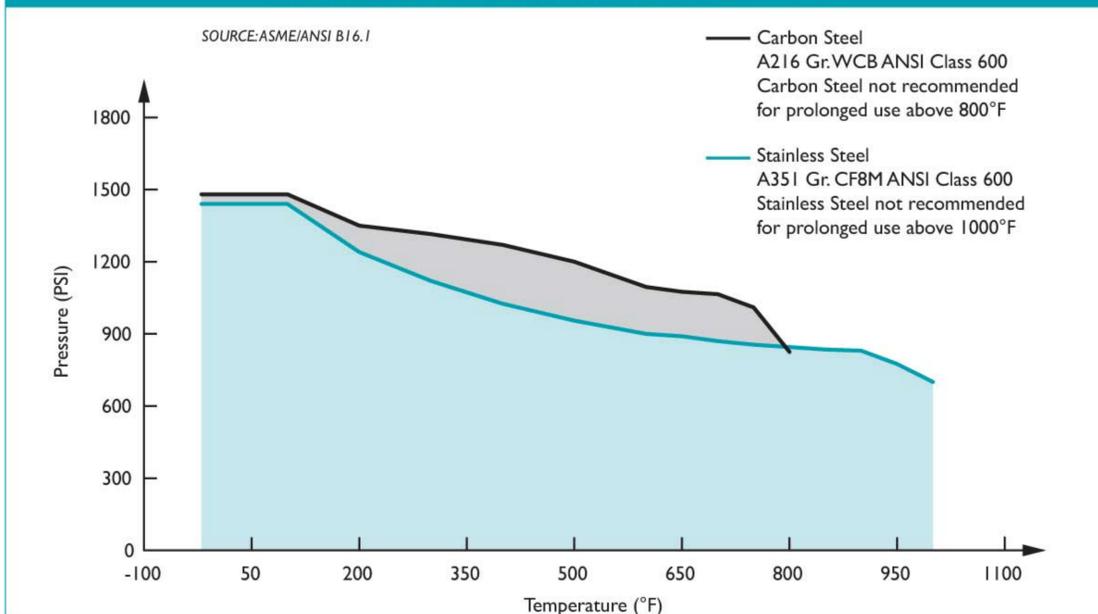
- Bill of Materials represents standard materials. Equivalent or better materials may be substituted at the manufacturer's discretion.
- Available in additional body materials, such as LCB, WC6, WC9, 316L, Alloy 20, and Monel.
- Denotes recommended spare parts.
- The cover gasket is encapsulated in a machined recessed seat. A wide range of gasket materials are available; contact factory.
- Only bolted cover designs (2½", 3", and optional 2") have Parts 5 and 6 (Studs and Nuts). Threaded cap covers are standard on Sizes ¼" through 1½". Size 2" is available with either a bolted or cap cover.
- Carbon Steel bodies are epoxy painted.

DIMENSIONS AND PERFORMANCE DATA ⁽¹⁾

SIZE	in	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2 ⁽³⁾	2 1/2 ⁽⁴⁾	3 ⁽⁴⁾
	mm	8	10	15	20	25	32	40	50	65	80
A DIMENSION THREADED COVER	in	2.93	2.93	2.93	3.68	4.56	4.93	5.56	6.93	n/a	n/a
	mm	75	75	75	94	116	126	142	177	n/a	n/a
A DIMENSION BOLTED COVER	in	BOLTED COVER NOT AVAILABLE IN SIZES ¼" - 1½"							7.50	12.00	12.00
	mm	BOLTED COVER NOT AVAILABLE IN SIZES ¼" - 1½"							191	305	305
B DIMENSION CENTER LINE TO BOTTOM	in	2.37	2.37	2.37	2.81	3.68	4.12	4.75	6.00	10.50	10.50
	mm	61	61	61	72	94	105	121	153	267	267
C DIMENSION SCREEN REMOVAL	in	2.62	2.62	2.62	3.37	4.75	5.25	6.00	7.25	16.00	16.00
	mm	67	67	67	86	121	134	153	184	407	407
D NPT Plug BLOW-OFF	in	1/4	1/4	1/4	3/8	3/8	3/4	3/4	1	1 1/4	1 1/4
	mm	8	8	8	10	10	20	20	25	32	32
APPROXIMATE ASSEMBLED WEIGHT	lb	1.5	1.5	1.5	2.5	5.0	5.5	9.0	13.0	46.0	43.0
	kg	0.7	0.7	0.7	1.1	2.3	2.5	4.1	5.9	20.9	19.5
Flow Coefficient	C _v	0.7	2	8	15	22	38	42	70	110	160

- Dimensions and weights are for reference only. When required, request certified drawings.
- Face to face values have a tolerance of ±0.06 in (±2.0 mm) for sizes 10" and lower.
- Size 2" is available in either a cap or bolted cover; please specify when ordering. Weight given is for model with cap cover.
- Sizes 2½" and 3" have bolted covers.

PRESSURE - TEMPERATURE RATINGS



PRESSURE - TEMPERATURE RATING

Body Material	A216 Gr. WCB	A351 Gr. CF8M
WOG (Non-shock):	1480 PSI @ 100 °F	1440 PSI @ 100 °F

REFERENCED STANDARDS & CODES

CODE	DESCRIPTION
ANSI/ASME B1.20.1	National Pipe Thread Taper
ASME/ANSI B16.11	Forged Steel Fittings, Socket-Welding & Threaded
ASME/ANSI B16.34	Flanged, Threaded, and Welding End

STANDARD SCREEN SELECTIONS

Size	Liquid	Open Area	Steam	Open Area
1/2" ~ 3"	1/16 (.0625)	41%	1/32 (.033)	28%