



"Y" (WYE) STRAINER ♦ FLANGED ENDS, RAISED FACE ANSI CLASS 150 ♦ CARBON AND STAINLESS STEEL

MODEL YCF1
(CARBON STEEL)

MODEL YSF1
(STAINLESS STEEL)



SIZE RANGE: 1/2" ~ 24"

FEATURES

◆ NEW DESIGN WITH GAUGE TAPS

STAYFLOW'S YSF1 HAS CONVENIENT GAUGE TAPS FURNISHED WITH A PLUG ON BOTH THE INLET AND OUTLET SIDES OF SIZES 2" THROUGH 24". THESE TAPS ALLOW FOR EASY INSTALLATION OF PRESSURE GAUGES TO MONITOR DIFFERENTIAL PRESSURE AND DETERMINE WHEN SCREEN CLEANING IS NECESSARY.

◆ LARGE STRAINING CAPACITY

WITH ITS LARGE BODY AND SIZABLE STRAINING ELEMENT, THE YSF1 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.

◆ SELF-CLEANING CAPABILITY

WITH A TAPPED NPT 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 STEEL UNITS ARE EPOXY PAINTED TO HELP RESIST RUST AND CORROSION. STAYFLOW ALSO OFFERS EPOXY COATING AS AN OPTION FOR THE YSF1.

◆ OPTIONAL COVER DESIGNS

STAYFLOW'S YSF1 IS AVAILABLE WITH DIFFERENT COVER OPTIONS INCLUDING SWING, CLAMP, AND HINGE TYPE COVERS. PLEASE CONSULT FACTORY FOR MORE INFORMATION ON THESE OPTIONS.

TECHNICAL

PRESSURE/ TEMPERATURE RATING
CS - ASTM A216 GR. WCB - CLASS 150

WOG (Non-shock): 285 PSI @ 100 °F

PRESSURE/ TEMPERATURE RATING
SS - ASTM A351 GR. CF8M - CLASS 150

WOG (Non-shock): 275 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.



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WYE STRAINER
MODEL YSF1

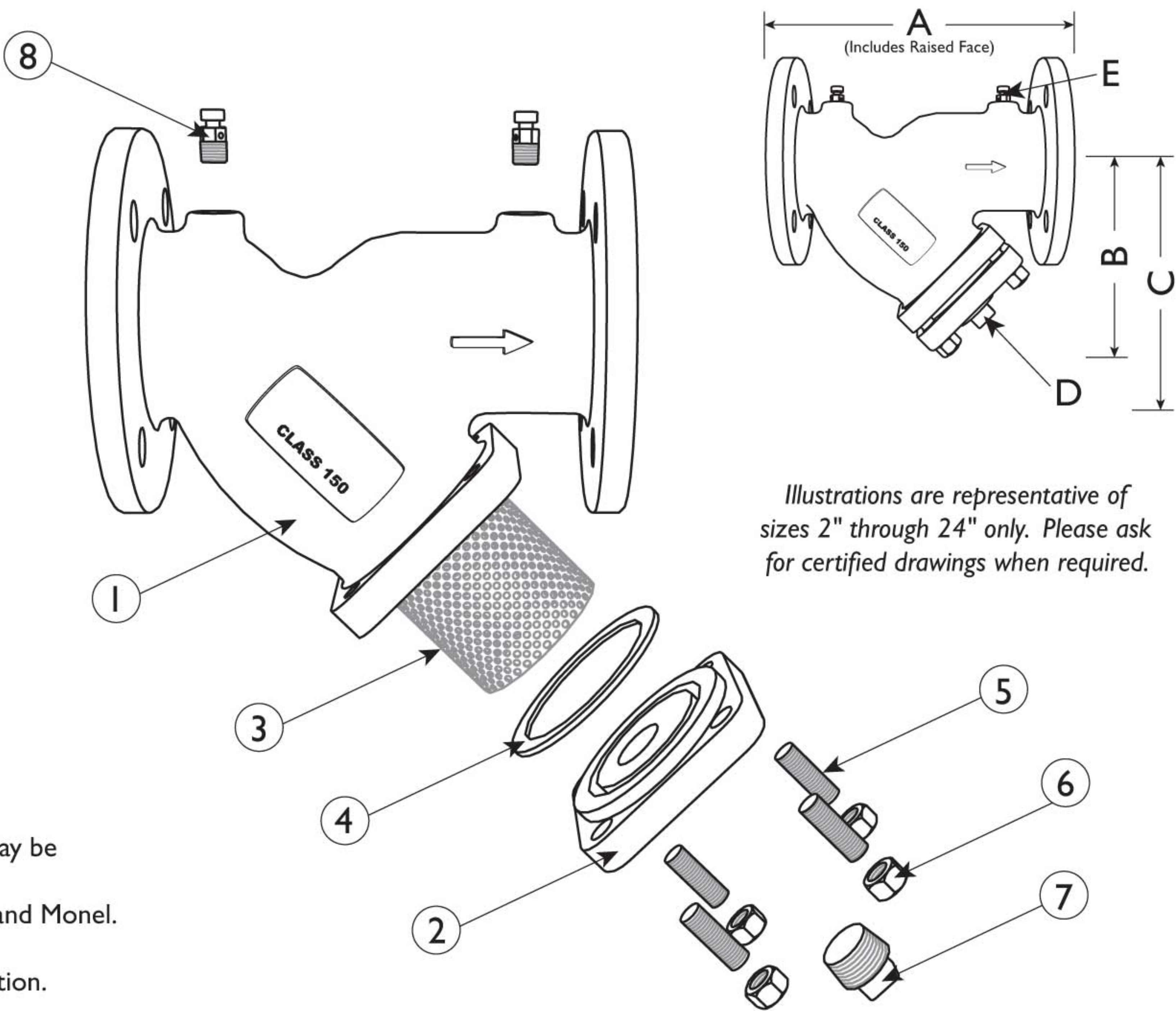
Flanged Ends • Raised Face • Carbon & Stainless Steel

ANSI Class
150

BILL OF MATERIALS ⁽¹⁾

No.	PART	YCF	YSF
1	Body ⁽²⁾	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 ⁽³⁾	Stainless Steel	Stainless Steel
4	Gasket ^{(3) (4)}	Stainless Steel Spiral Wound	Stainless Steel Spiral Wound
5	Studs	Alloy Steel	Stainless Steel
6	Nuts	Alloy Steel	Stainless Steel
7	NPT Plug Blow-off	Carbon Steel	Stainless Steel
8	NPT Plug Gauge Taps ⁽⁵⁾	Carbon Steel	Stainless Steel

1. Bill of Materials represents standard materials. Equivalent or better materials may be substituted at the manufacturer's discretion.
2. Available in additional body materials, such as LCB, WC6, WC9, 316L, Alloy 20, and Monel.
3. Denotes recommended spare parts.
4. A wide range of gasket materials are available; contact factory for more information.
5. Part number 8 (NPT Plug - Gauge Taps) only applies to sizes 2" through 24".
6. Carbon Steel bodies are epoxy painted.



DIMENSIONS AND PERFORMANCE DATA ⁽¹⁾

SIZE	in	½	¾	1	1¼	1½	2	2½	3	4	5	6	8	10	12	14	16	18	20	24
	mm	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
A DIMENSION FACE TO FACE ⁽²⁾	in	6.50	7.37	7.37	7.00	7.12	7.87	9.75	10.06	12.12	15.62	18.50	21.37	26.00	29.87	36.00	41.75	46.00	49.50	58.37
	mm	166	188	188	178	181	200	248	256	308	397	470	543	661	759	914	1060	1168	1257	1483
B DIMENSION CENTER LINE TO BOTTOM	in	3.50	3.75	3.75	4.75	4.75	5.25	6.50	7.00	8.25	11.25	13.50	15.50	18.50	22.25	25.00	26.50	31.00	39.00	45.00
	mm	89	96	96	121	121	134	166	178	210	286	343	394	470	566	625	673	787	991	1143
C DIMENSION SCREEN REMOVAL	in	5.00	5.00	5.00	7.00	7.00	7.00	9.75	10.00	12.00	20.00	20.00	22.75	28.00	30.00	36.50	42.00	45.50	56.00	68.00
	mm	127	127	127	178	178	178	248	254	305	508	508	578	712	762	927	1067	1156	1422	1727
D NPT Plug BLOW-OFF	in	3/8	1/2	1/2	1/2	1/2	1/2	1	1	1 1/2	2	2	2	2	2	2	2	2	2	2
	mm	10	15	15	15	15	15	25	25	40	50	50	50	50	50	50	50	50	50	50
E NPT Plug GAUGE TAPS	in	N/A	N/A	N/A	N/A	N/A	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
	mm	N/A	N/A	N/A	N/A	N/A	8	8	8	8	8	8	8	8	8	8	8	8	8	8
ASSEMBLED WEIGHT APPROXIMATE	lb	5.5	10.3	10.3	12.0	12.5	21.0	32.0	35.0	55.0	90.0	140.0	220.0	356.0	644.0	1000	1090	2400	2700	3340
	kg	2.5	4.6	4.6	5.4	5.7	9.5	14.5	15.9	24.9	40.8	63.5	99.7	161.5	292.1	453.6	494.4	1089	1225	1515
Flow Coefficient	C _v	C/F	C/F	C/F	C/F	42	70	110	160	260	400	570	950	1600	2200	3300	4900	6100	8000	11000

1. Dimensions and weights are for reference only. When required, request certified drawings.
2. Face to face dimension includes raised face. These values have a tolerance of ±0.06 in (±2.0 mm) for sizes 10" and lower and a tolerance of ±0.12 in (±3.0 mm) for sizes 12" and larger.

REFERENCED STANDARDS & CODES

CODE	DESCRIPTION
ASME/ANSI B16.5	Pipe Flanges and Flanged Fittings
ASME/ANSI B16.34	Flanged, Threaded, and Welding End

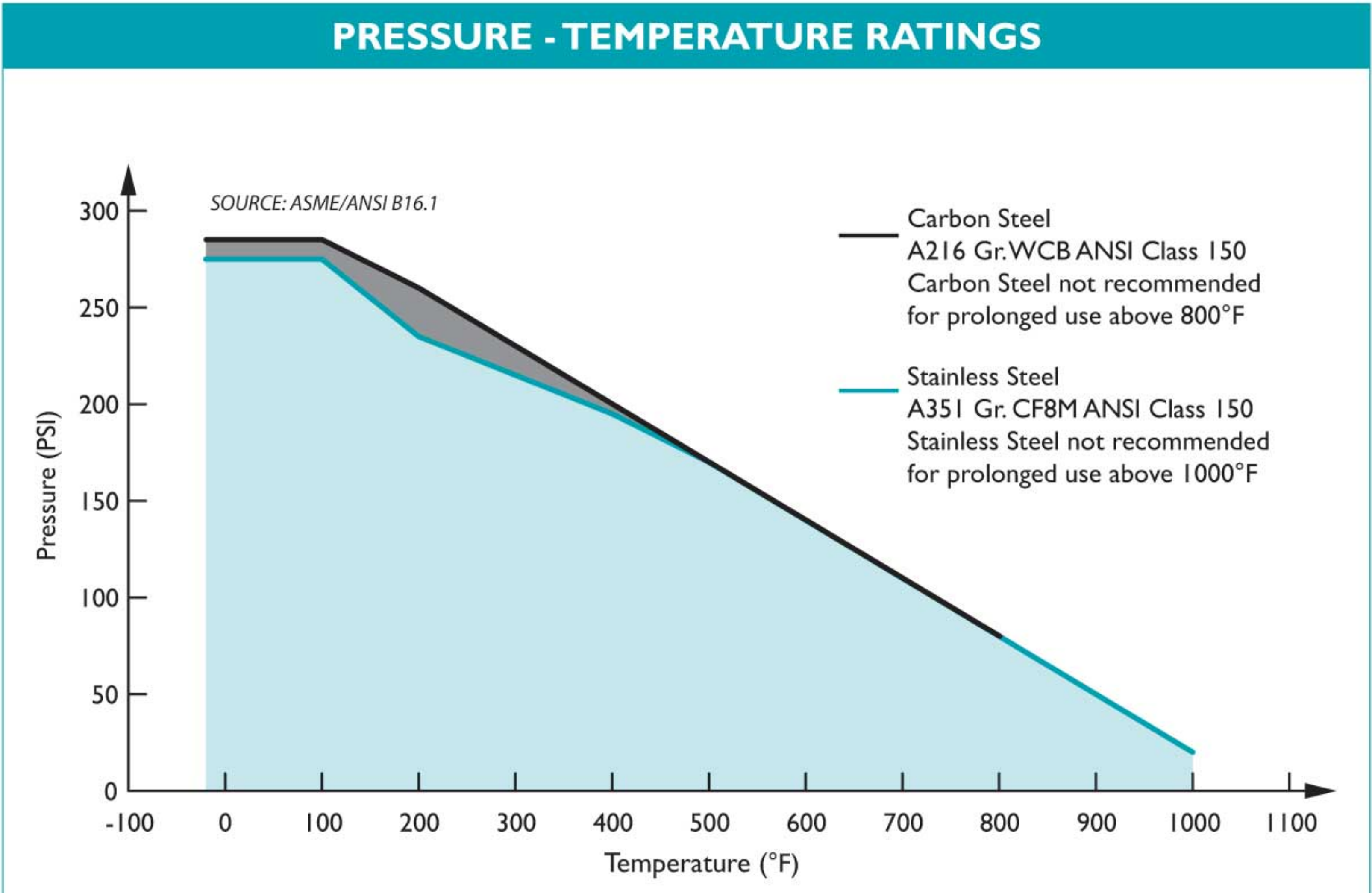
STANDARD SCREEN SELECTIONS

Size	Liquid	Open Area	Steam	Open Area
1/2" - 4"	1/16 (.0625)	41%	1/32 (.033)	28%
5" - 8"	1/8 (.125)	40%	3/64 (.045)	36%
10" - 12"	1/8 (.125)	40%	30 Mesh Lined	44.8%

PRESSURE - TEMPERATURE RATING

Body Material	A216 Gr. WCB	A351 Gr. CF8M
WOG (Non-shock):	285 PSI @ 100 °F	275 PSI @ 100 °F

PRESSURE - TEMPERATURE RATINGS



STAYFLOW "Y" (WYE) STRAINER ♦ FLANGED ENDS, RAISED FACE

ANSI CLASS 300 ♦ CARBON AND STAINLESS STEEL

NEWLY DESIGNED...
Gauge Taps

STANDARD ON ALL
MODELS IN
SIZES 2" ~ 12"

MODELS: **YCF2**
(CARBON STEEL)

YSF2
(STAINLESS STEEL)



FEATURES

SIZE RANGE: 1/2" ~ 12"

◆ NEW DESIGN WITH GAUGE TAPS

STAYFLOW'S YSF2 HAS CONVENIENT GAUGE TAPS FURNISHED WITH A PLUG ON BOTH THE INLET AND OUTLET SIDES OF SIZES 2" THROUGH 12". THESE TAPS ALLOW FOR EASY INSTALLATION OF PRESSURE GAUGES TO MONITOR DIFFERENTIAL PRESSURE AND DETERMINE WHEN SCREEN CLEANING IS NECESSARY.

◆ LARGE STRAINING CAPACITY

WITH ITS LARGE BODY AND SIZABLE STRAINING ELEMENT, THE YSF2 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.

◆ SELF-CLEANING CAPABILITY

WITH A TAPPED NPT 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 STEEL UNITS ARE EPOXY PAINTED TO HELP RESIST RUST AND CORROSION. TITAN FCI ALSO OFFERS EPOXY COATING AS AN OPTION FOR THE YSF2.

◆ OPTIONAL COVER DESIGNS

STAYFLOW'S YSF2 IS AVAILABLE WITH DIFFERENT COVER OPTIONS INCLUDING SWING, CLAMP, AND HINGE TYPE COVERS. PLEASE CONSULT FACTORY FOR MORE INFORMATION ON THESE OPTIONS.

TECHNICAL

PRESSURE/TEMPERATURE RATING
CS - ASTM A216 GR. WCB - CLASS 300

WOG (Non-shock): 740 PSI @ 100 °F

PRESSURE/TEMPERATURE RATING
SS - ASTM A351 GR. CF8M - CLASS 300

WOG (Non-shock): 720 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

MODEL YSF2

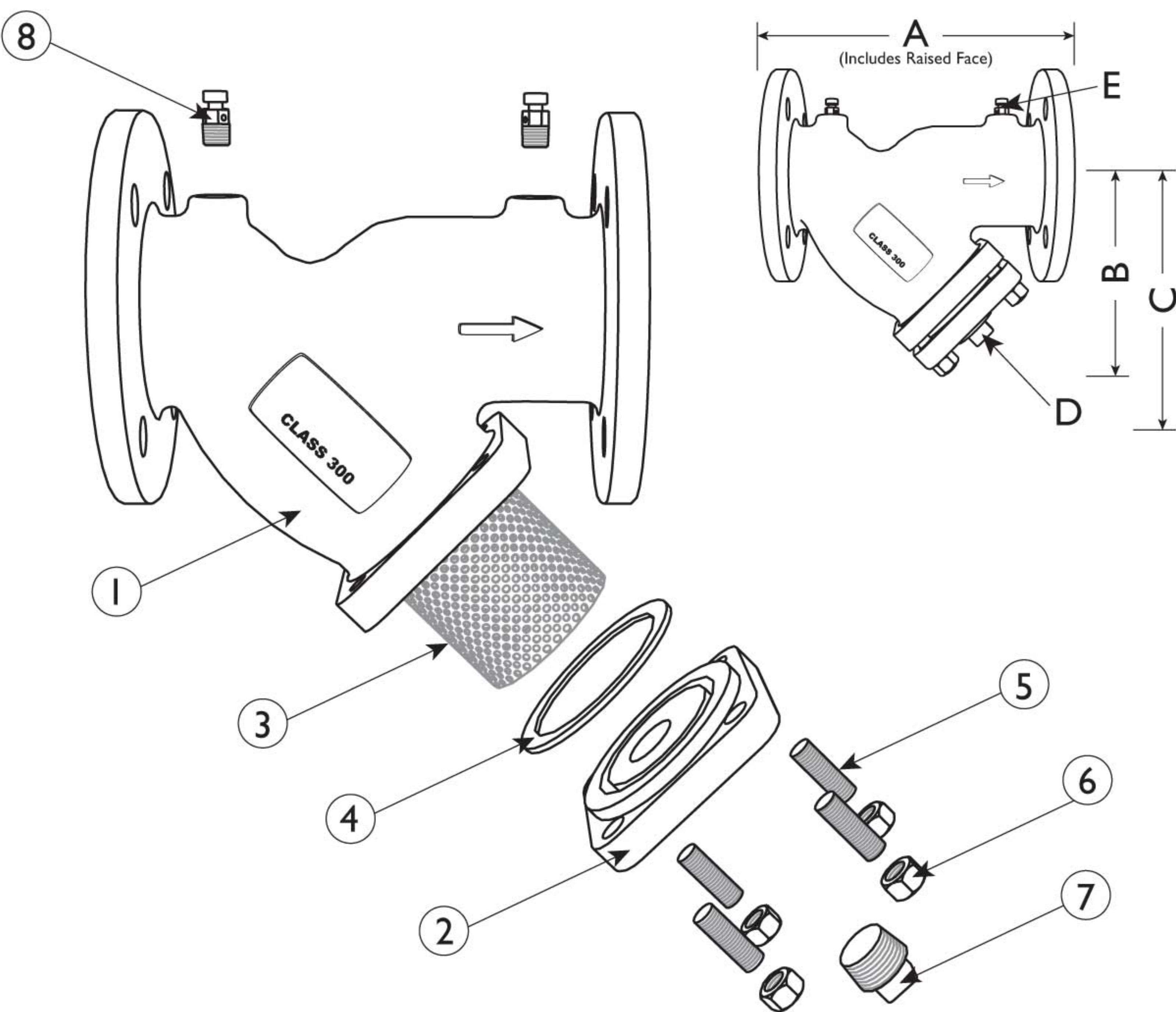
ANSI Class
300

Flanged Ends • Raised Face • Carbon & Stainless Steel

BILL OF MATERIALS ⁽¹⁾

No.	PART	YCF	YSF
1	Body ⁽²⁾	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 ⁽³⁾	Stainless Steel	Stainless Steel
4	Gasket ⁽³⁾	Stainless Steel Spiral Wound	Stainless Steel Spiral Wound
5	Studs	Alloy Steel	Stainless Steel
6	Nuts	Carbon Steel	Stainless Steel
7	NPT Plug Blow-off	Carbon Steel	Stainless Steel
8	NPT Plug Gauge Taps ⁽⁴⁾	Carbon Steel	Stainless Steel

1. Bill of Materials represents standard materials. Equivalent or better materials may be substituted at the manufacturer's discretion.
2. Available in additional body materials, such as LCB, WCB, WC9, 316L, Alloy 20, and Monel.
3. Denotes recommended spare parts.
4. Part number 8 (NPT Plug - Gauge Taps) only applies to sizes 2" through 12".
5. Carbon Steel bodies are epoxy painted.



Illustrations are representative of sizes 2" through 12" only. Please ask for certified drawings when required.

DIMENSIONS AND PERFORMANCE DATA ⁽¹⁾

SIZE	in	½	¾	1	1¼	1½	2	2½	3	4	5	6	8	10	12
	mm	15	20	25	32	40	50	65	80	100	125	150	200	250	300
A DIMENSION FACE TO FACE ⁽²⁾	in	6.62	8.31	8.31	10.12	10.25	9.62	10.62	12.00	14.50	19.31	19.31	23.37	27.37	32.00
	mm	169	212	212	258	261	245	270	305	369	491	491	594	696	813
B DIMENSION CENTER LINE TO BOTTOM	in	3.50	3.75	3.75	5.50	5.50	5.25	6.50	7.00	8.25	11.25	13.50	15.50	18.50	21.75
	mm	89	96	96	140	140	134	166	178	210	286	343	394	470	553
C DIMENSION SCREEN REMOVAL	in	5.00	5.00	5.00	8.00	8.00	7.00	9.75	10.00	12.00	17.00	20.00	22.75	28.00	30.00
	mm	127	127	127	204	204	178	248	254	305	432	508	578	712	762
D NPT Plug BLOW-OFF	in	3/8	1/2	1/2	1/2	1/2	1/2	1	1	1 1/2	2	2	2	2	2
	mm	10	15	15	15	15	15	25	25	40	50	50	50	50	50
E NPT Plug GAUGETAPS	in	N/A	N/A	N/A	N/A	N/A	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
	mm	N/A	N/A	N/A	N/A	N/A	8	8	8	8	8	8	8	8	8
ASSEMBLED WEIGHT APPROXIMATE	lb	7.5	10.0	13.5	26.0	25.0	26.0	40.0	52.5	94.0	161.5	185.5	260.0	408.0	632.0
	kg	3.4	4.5	6.1	11.8	11.3	11.8	18.1	23.8	42.6	73.2	84.1	117.9	185.1	286.7
Flow Coefficient	C _v	C/F	C/F	C/F	C/F	42	70	110	160	260	400	570	950	1600	2200

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 and a tolerance of ±0.12 in (±3.0 mm) for sizes 12" and larger.

PRESSURE - TEMPERATURE RATING

Body Material	A216 Gr. WCB	A351 Gr. CF8M
WOG (Non-shock):	740 PSI @ 100 °F	720 PSI @ 100 °F

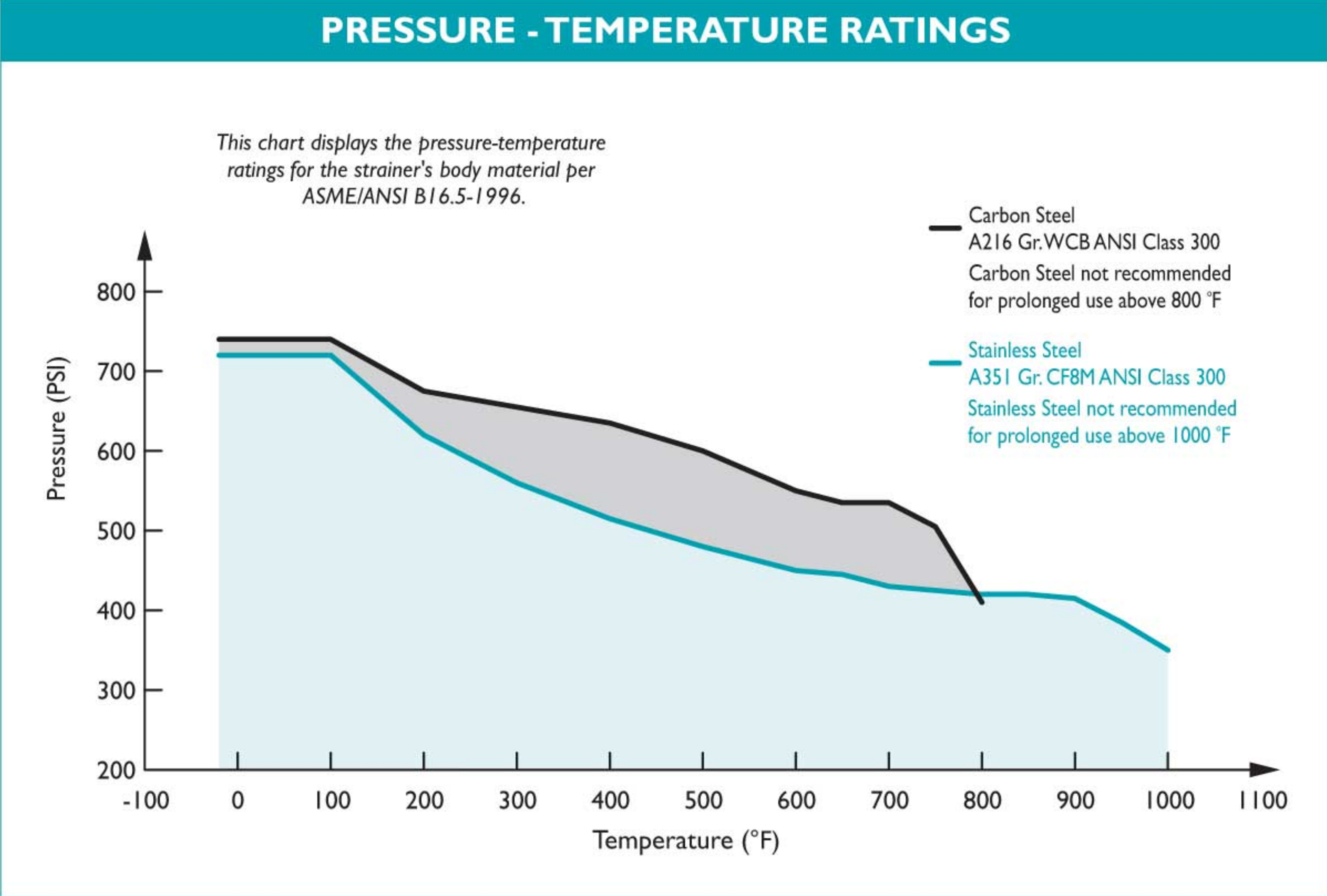
STANDARD SCREEN SELECTIONS

Size	Liquid	Open Area	Steam	Open Area
1/2" - 4"	1/16 (.0625)	41%	1/32 (.033)	28%
5" - 8"	1/8 (.125)	40%	3/64 (.045)	36%
10" - 12"	1/8 (.125)	40%	30 Mesh Lined	44.8%

REFERENCED STANDARDS & CODES

CODE	DESCRIPTION
ASME/ANSI B16.5	Pipe Flanges and Flanged Fittings
ASME/ANSI B16.34	Flanged, Threaded, and Welding End

PRESSURE - TEMPERATURE RATINGS





"Y" (WYE) STRAINER ♦ FLANGED ENDS, RAISED FACE ANSI CLASS 600 ♦ CARBON AND STAINLESS STEEL

MODELS: YCF3
(CARBON STEEL)

YSF3
(STAINLESS STEEL)

NEWLY DESIGNED...

Gauge Taps

STANDARD ON ALL YSF3
MODELS IN SIZES 2" ~ 12"



FEATURES

SIZE RANGE: 1/2" ~ 12"

◆ NEW DESIGN WITH GAUGE TAPS

STAYFLOW'S YSF3 HAS CONVENIENT GAUGE TAPS FURNISHED WITH A PLUG ON BOTH THE INLET AND OUTLET SIDES OF SIZES 2" THROUGH 12". THESE TAPS ALLOW FOR EASY INSTALLATION OF PRESSURE GAUGES TO MONITOR DIFFERENTIAL PRESSURE AND DETERMINE WHEN SCREEN CLEANING IS NECESSARY.

◆ LARGE STRAINING CAPACITY

WITH ITS LARGE BODY AND SIZABLE STRAINING ELEMENT, THE YSF3 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.

◆ SELF-CLEANING CAPABILITY

WITH A TAPPED NPT 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 STEEL UNITS ARE EPOXY PAINTED TO HELP RESIST RUST AND CORROSION. STAYFLOW ALSO OFFERS EPOXY COATING AS AN OPTION FOR THE YSF3.

◆ OPTIONAL COVER DESIGNS

STAYFLOW'S YSF3 IS AVAILABLE WITH DIFFERENT COVER OPTIONS INCLUDING SWING, CLAMP, AND HINGE TYPE COVERS. PLEASE CONSULT FACTORY FOR MORE INFORMATION ON THESE OPTIONS.

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.

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WYE STRAINER
MODEL YSF3

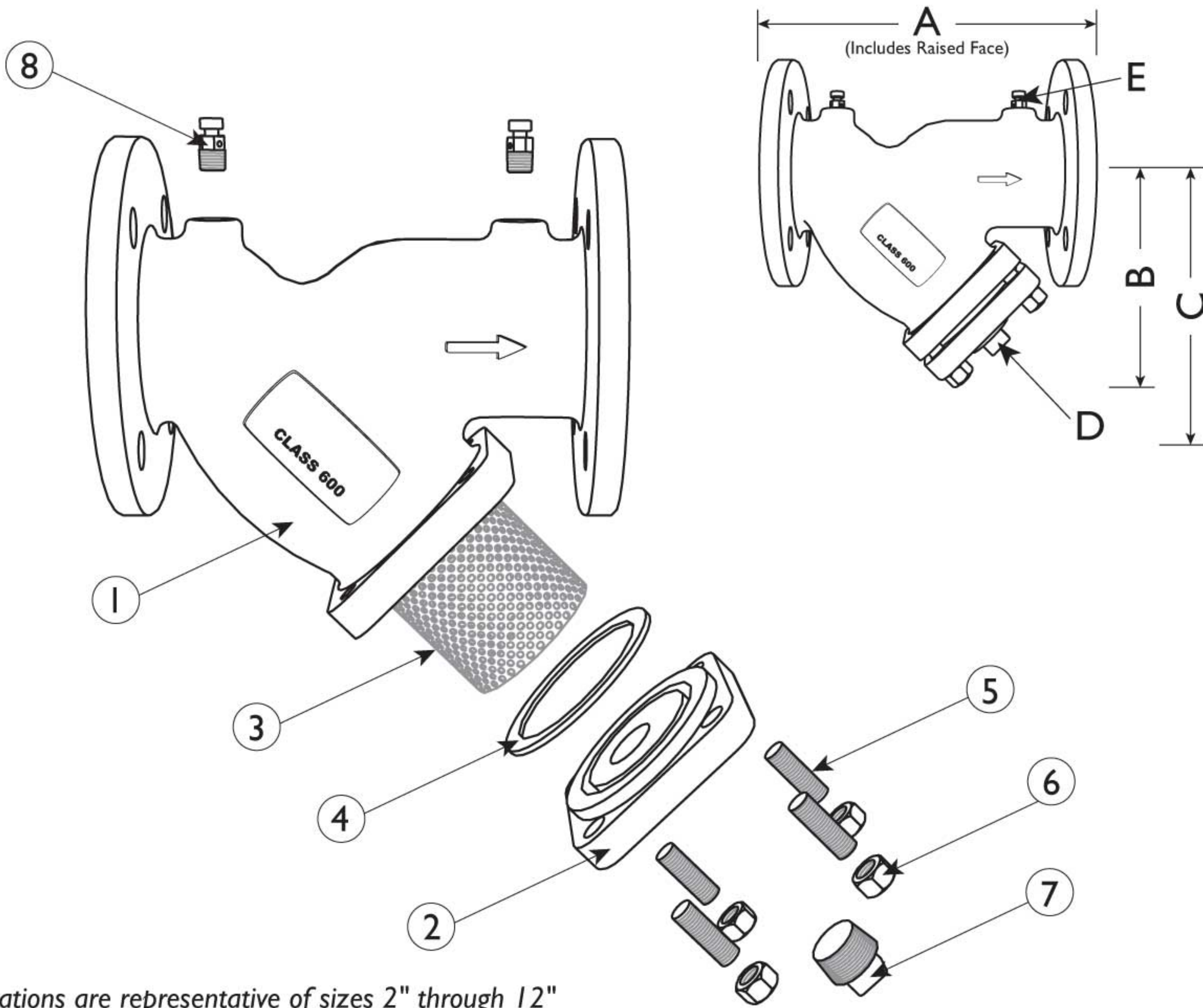
Flanged Ends • Raised Face • Carbon & Stainless Steel

ANSI Class
600

BILL OF MATERIALS ⁽¹⁾

No.	PART	YCF	YSF
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) (4)}	Stainless Steel Spiral Wound	Stainless Steel Spiral Wound
5	Studs	Alloy Steel	Stainless Steel
6	Nuts	Alloy Steel	Stainless Steel
7	NPT Plug Blow-off	Carbon Steel	Stainless Steel
8	NPT Plug Gauge Taps ⁽⁵⁾	Carbon Steel	Stainless 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.
4. A wide range of gasket materials are available; contact factory.
5. Part number 8 (NPT Plug - Gauge Taps) only applies to sizes 2" through 12".



Illustrations are representative of sizes 2" through 12" only. Please ask for certified drawings when required.

DIMENSIONS AND PERFORMANCE DATA ⁽¹⁾

SIZE	in	½	¾	1	1¼	1½	2	2½	3	4	5	6	8	10	12
	mm	15	20	25	32	40	50	65	80	100	125	150	200	250	300
A DIMENSION FACE TO FACE ⁽²⁾	in	6.62	8.31	8.31	10.12	10.25	11.00	12.00	13.50	17.93	22.25	25.62	31.75	37.68	40.00
	mm	169	212	212	258	261	280	305	343	456	566	651	807	958	1016
B DIMENSION CENTER LINE TO BOTTOM	in	3.50	3.75	3.75	5.50	5.50	7.00	8.25	9.25	12.50	15.00	20.00	24.00	28.50	29.31
	mm	89	96	96	140	140	178	210	235	318	381	508	610	724	746
C DIMENSION SCREEN REMOVAL	in	5.00	5.00	5.00	8.00	8.00	10.00	12.50	14.50	19.50	23.00	31.00	38.50	45.50	44.00
	mm	127	127	127	204	204	254	318	369	496	585	788	978	1156	1118
D NPT Plug BLOW-OFF	in	3/8	1/2	1/2	1/2	1/2	1/2	1	1	1 1/2	2	2	2	2	2
	mm	10	15	15	15	15	15	25	25	40	50	50	50	50	50
E NPT Plug GAUGE TAPS	in	N/A	N/A	N/A	N/A	N/A	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
	mm	N/A	N/A	N/A	N/A	N/A	8	8	8	8	8	8	8	8	8
ASSEMBLED WEIGHT APPROXIMATE	lb	7.5	10.0	13.5	26.0	25.0	32.0	50.0	65.0	125.0	254.0	304.0	526.0	1090.0	1558.0
	kg	3.4	4.5	6.1	11.8	11.3	14.5	22.7	29.5	56.7	115.1	137.9	238.6	493.8	705.9
Flow Coefficient	C _v	C/F	C/F	C/F	C/F	42	70	110	160	260	400	570	950	1600	2200

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PRESSURE - TEMPERATURE RATING

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

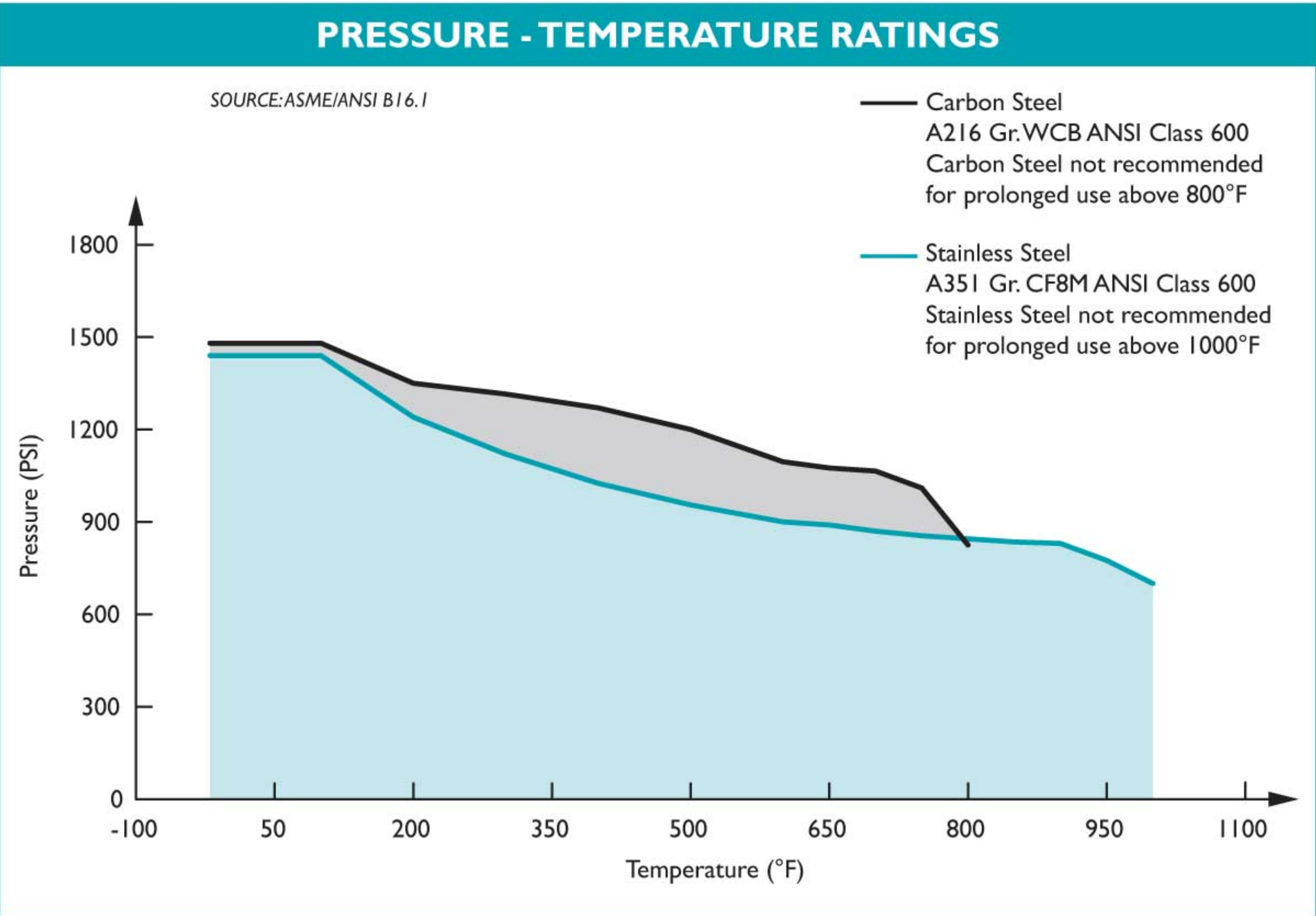
STANDARD SCREEN SELECTIONS

Size	Liquid	Open Area	Steam	Open Area
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REFERENCED STANDARDS & CODES

CODE	DESCRIPTION
ASME/ANSI B16.5	Pipe Flanges and Flanged Fittings
ASME/ANSI B16.34	Flanged, Threaded, and Welding End

PRESSURE - TEMPERATURE RATINGS



MODELS: YCF5

(CARBON STEEL)

YSF5

(STAINLESS STEEL)

FEATURES

SIZES: 2" ~ 8"

*"Ideal for
High-Pressure
Applications"*



♦ RUGGED - HIGH QUALITY DESIGN

STAYFLOW'S YSF5 IS IDEAL FOR PETROCHEMICAL AND OTHER DEMANDING INDUSTRIAL APPLICATIONS THAT HAVE HIGHER PRESSURE AND TEMPERATURE REQUIREMENTS. THIS UNIT EMPLOYS HEAVY GAUGE, REINFORCED SCREENS TO PREVENT DAMAGE TO THE STRAINING ELEMENT. BOLT HOLES ARE ALSO BACK OR SPOT FACED AND THE OUTSIDE DIAMETERS OF THE FLANGES ARE MACHINED FOR PRECISION.

♦ LARGE STRAINING CAPACITY

WITH ITS LARGE BODY AND SIZABLE STRAINING ELEMENT, THE YSF5 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 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.

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.



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WYE STRAINER
MODEL YSF5

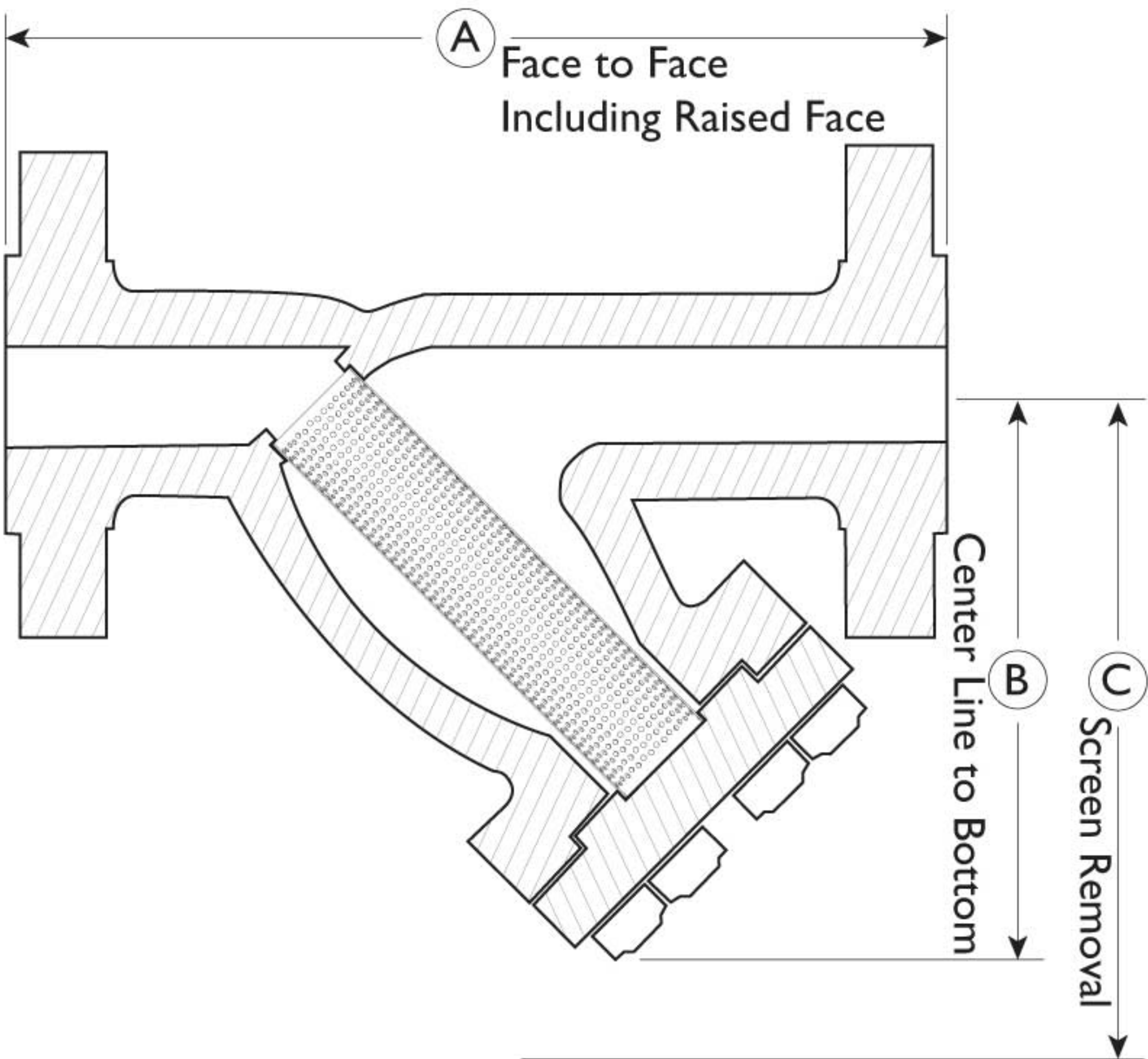
Flanged Ends • Raised Face • Carbon & Stainless Steel

ANSI Class
1500

BILL OF MATERIALS ⁽¹⁾

No.	PART	YCF	YSF
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.



Illustrations are representative of sizes 2" through 8".
Please ask for certified drawings when required.

REFERENCED STANDARDS & CODES

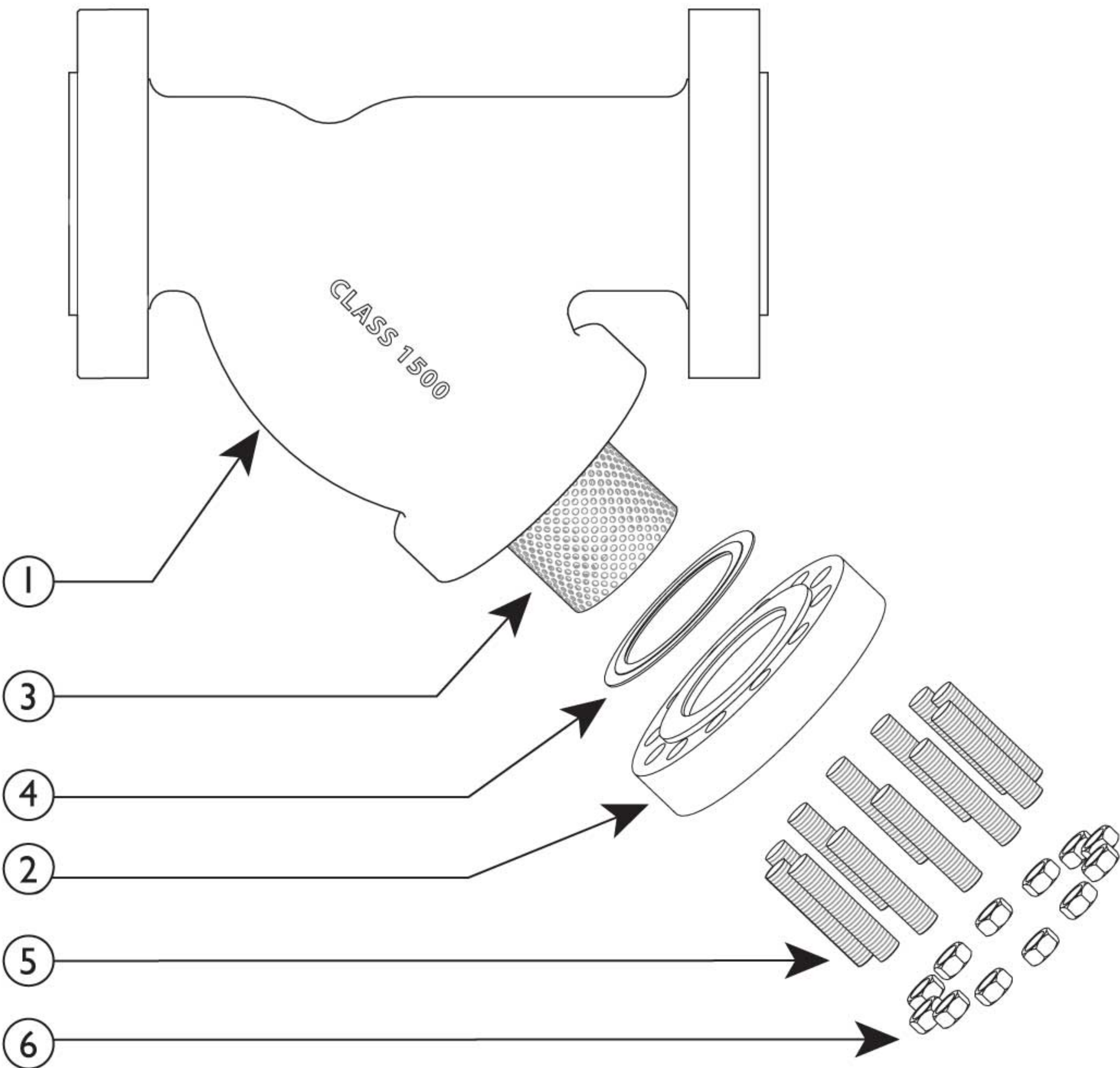
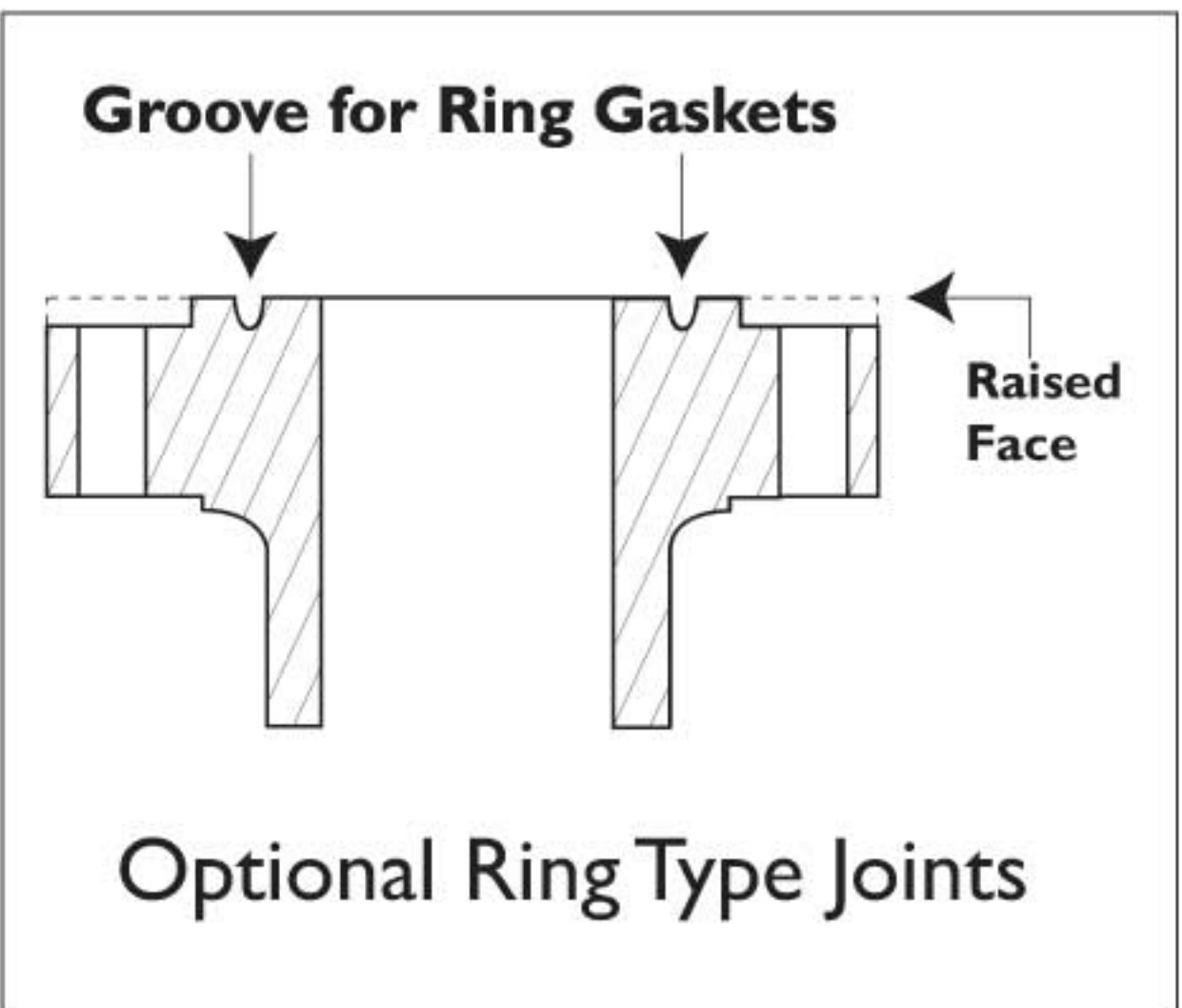
CODE	DESCRIPTION
ASME/ANSI B16.5	Pipe Flanges and Flanged Fittings
ASME/ANSI B16.34	Flanged, Threaded, and Welding End

STANDARD SCREEN SELECTIONS

Size	Liquid	Open Area	Steam	Open Area
2" ~ 4"	1/16 (.0625)	41%	1/32 (.033)	28%
5" ~ 8"	1/8 (.125)	40%	3/64 (.045)	36%

Additional Design & Technical Notes:

- Ring Type Joints (RTJ) are available. Please contact factory.
- An optional socket weld blow-off is available. Please contact factory.
- NPT blow-offs are not recommended for ANSI Class 1500 strainers.
- Bodies are also available in high temperature steel A217 Gr. WC6 and WC9. Please contact factory.

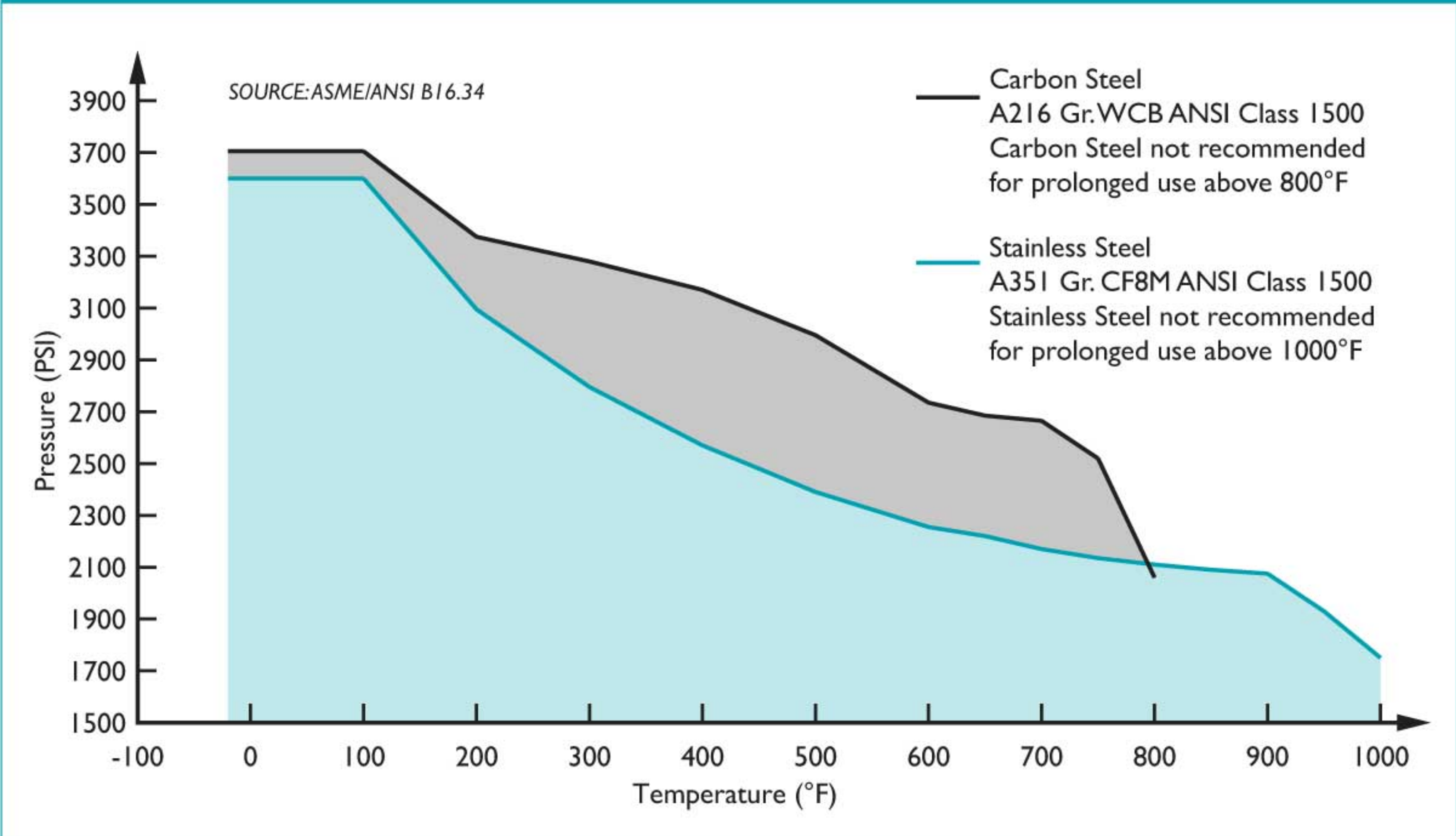


DIMENSIONS AND PERFORMANCE DATA ⁽¹⁾

SIZE	in	2	2 1/2	3	4	6	8
	mm	50	65	80	100	150	200
A DIMENSION FACE TO FACE ⁽²⁾	in	16.5	C/F	18.0	22.5	32.5	36.0
	mm	419	C/F	457	572	826	914
B DIMENSION CENTER LINE TO BOTTOM	in	9.25	C/F	12.0	15.37	20.0	23.68
	mm	235	C/F	305	391	508	605
C DIMENSION SCREEN REMOVAL	in	11.0	C/F	16.5	21.0	27.0	32.0
	mm	279	C/F	419	533	686	813
APPROXIMATE ASSEMBLED WEIGHT	lb	91	C/F	175	316	766	1575
	kg	41	C/F	79	143	347	714
Flow Coefficient	C _v	60	C/F	140	180	450	650

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" YS-68 to get dimensions and performance data.

PRESSURE - TEMPERATURE RATINGS



PRESSURE - TEMPERATURE RATING

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

MODELS: YCF6
(CARBON STEEL)

YSF6
(STAINLESS STEEL)

FEATURES

◆ RUGGED - HIGH QUALITY DESIGN

STAYFLOW'S YSF6 IS IDEAL FOR POWER GENERATION AND OTHER DEMANDING INDUSTRIAL APPLICATIONS THAT HAVE HIGHER PRESSURE AND TEMPERATURE REQUIREMENTS. THIS UNIT EMPLOYS HEAVY GAUGE, REINFORCED SCREENS TO PREVENT DAMAGE TO THE STRAINING ELEMENT. BOLT HOLES ARE BACK OR SPOT FACED AND THE OUTSIDE DIAMETERS OF THE FLANGES ARE MACHINED FOR PRECISION.

◆ LARGE STRAINING CAPACITY

WITH ITS LARGE BODY AND SIZABLE STRAINING ELEMENT, THE YSF6 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.

◆ REUSABLE RTJ GASKET

PRECISION MACHINED, RTJ GASKETS ARE PREFERRED FOR HIGH PRESSURE AND HIGH TEMPERATURE SERVICES BECAUSE THEY PROVIDE A TIGHT, EFFICIENT SEAL AND A LONG SERVICE LIFE.

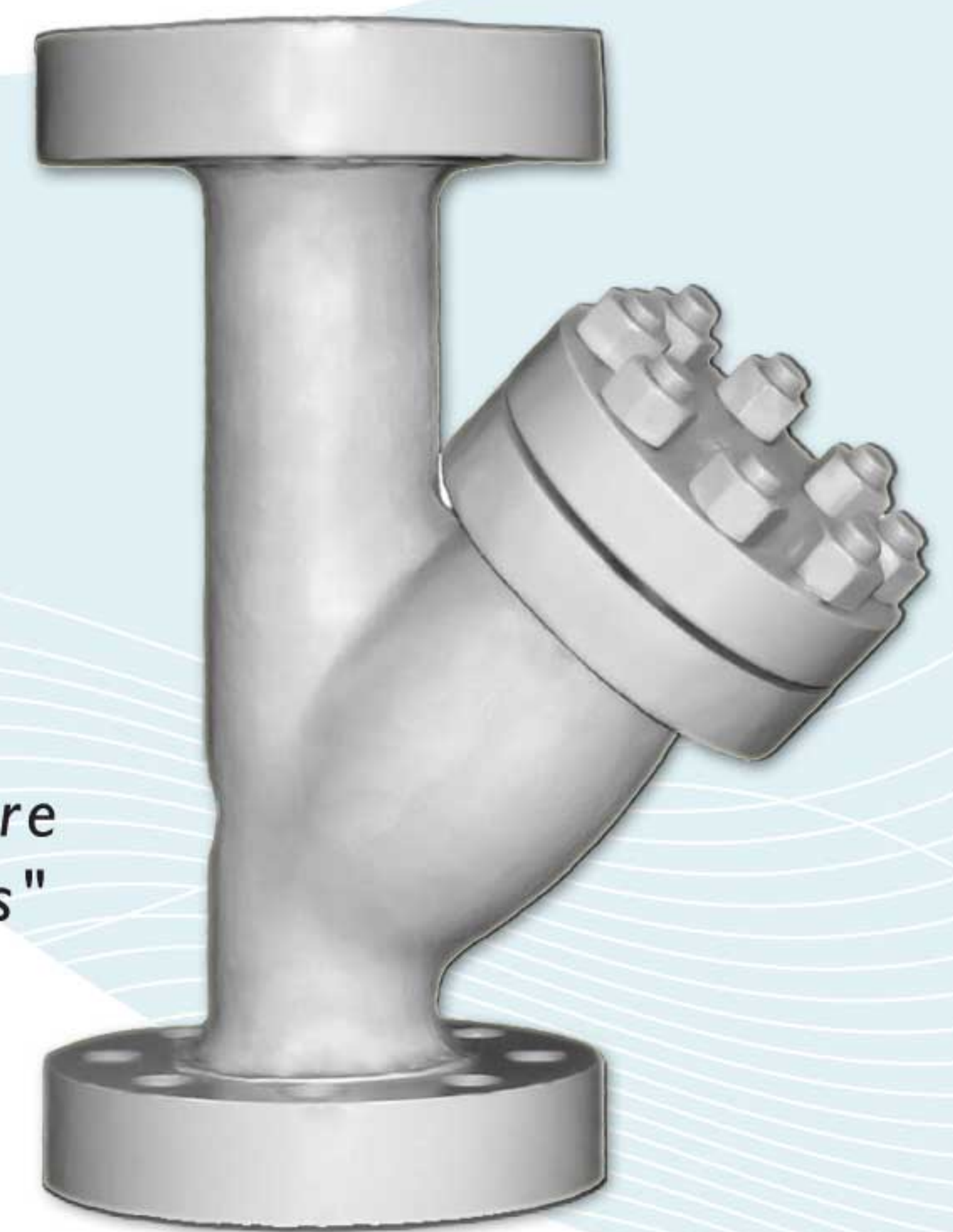
◆ SELF-CLEANING CAPABILITY

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.

"Ideal for
High Pressure
Applications"



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.

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.



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WYE STRAINER

MODEL YSF6

Flanged Ends • RTJ Raised Face • Carbon & Stainless Steel

ANSI Class
2500

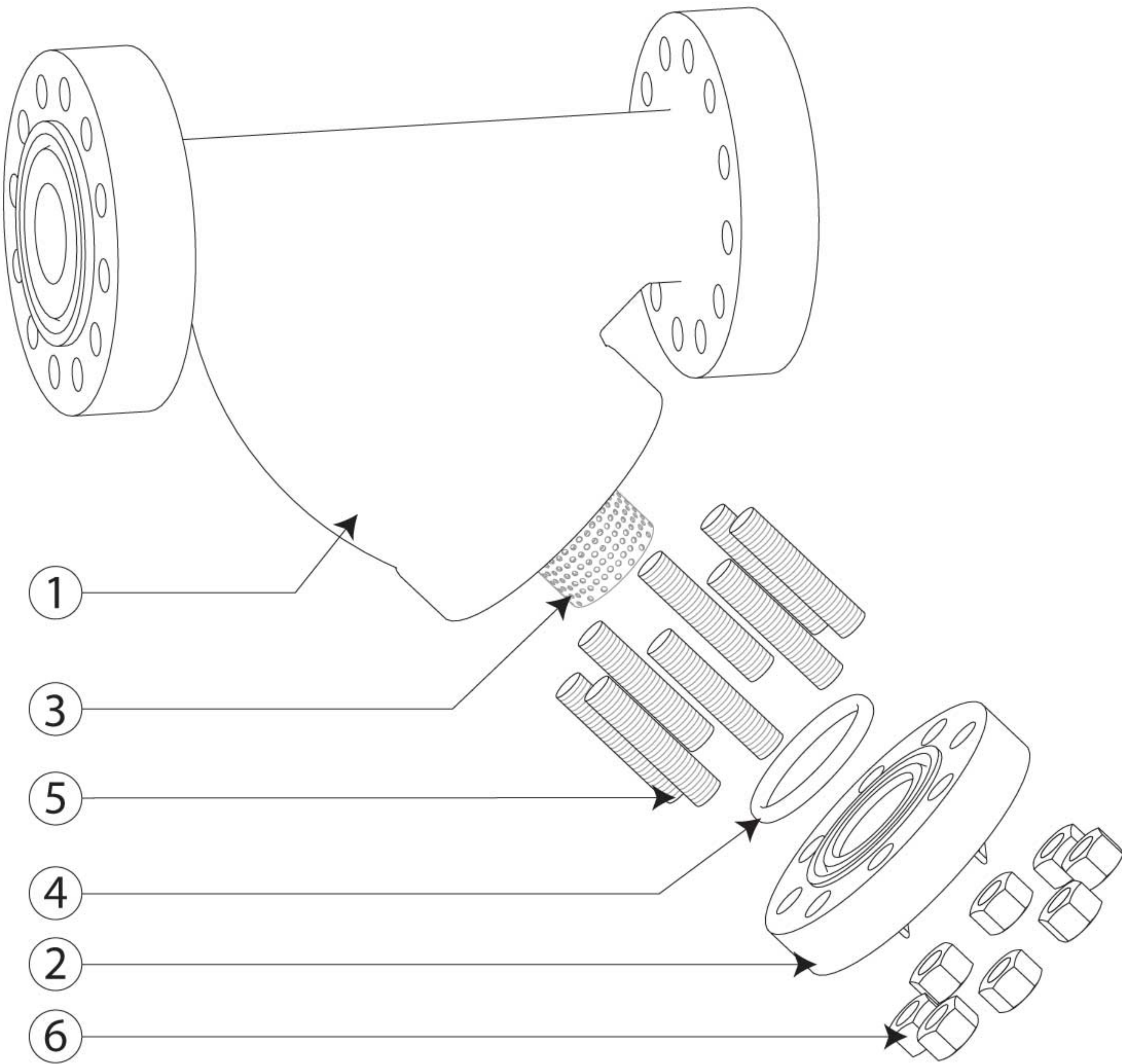
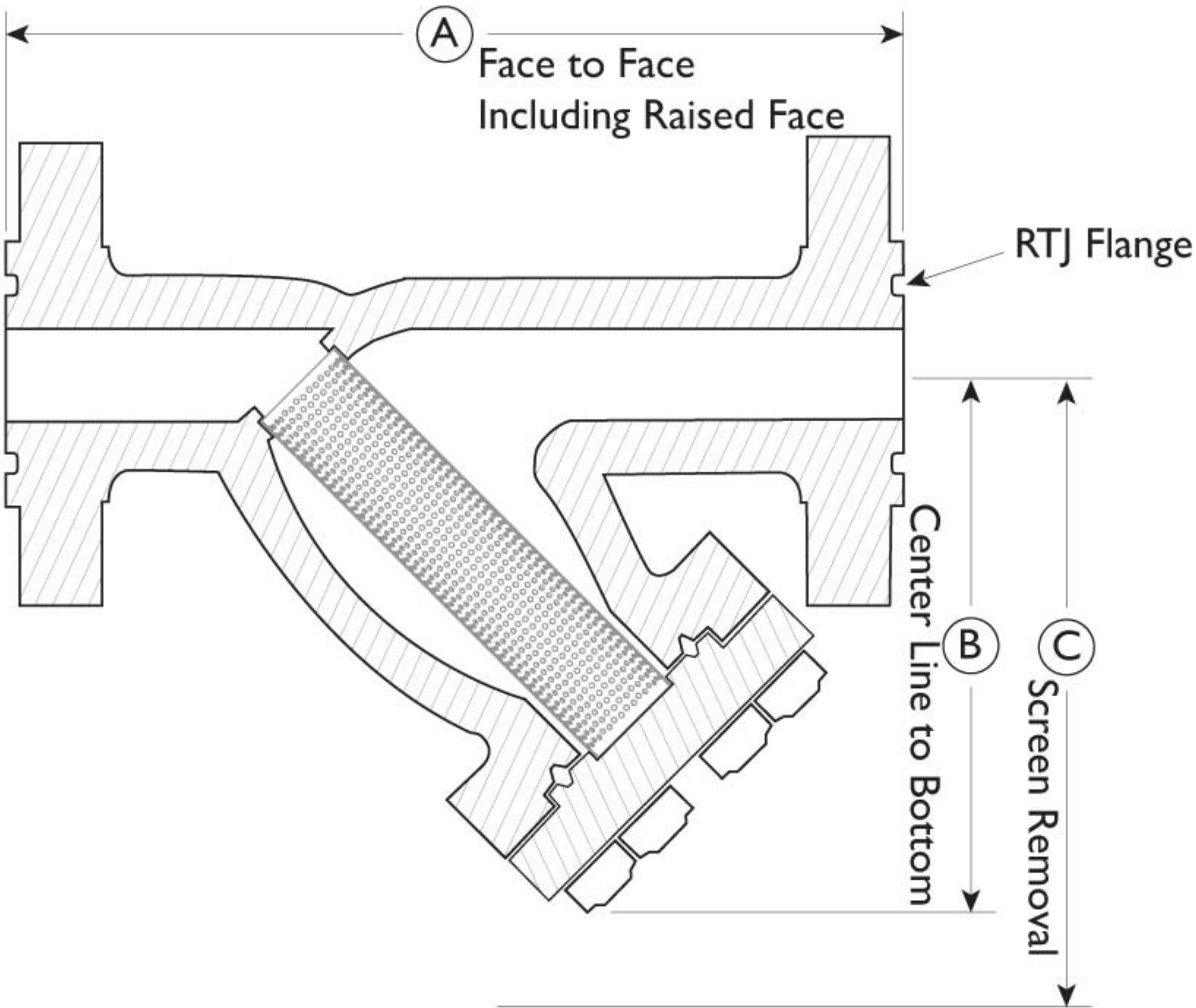
BILL OF MATERIALS ⁽¹⁾

No.	PART	YCF	YSF
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⁾	RTJ Gasket	RTJ Gasket
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:

- Ring Type Joint, Raised Face Flanges are standard end connections for the YSF6. Contact factory for non-standard options.
- 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 high temperature steel A217 Gr. WC6 and WC9. Please contact factory for price and delivery.



Illustrations are representative of sizes 2" through 8".
Please ask for certified drawings when required.

DIMENSIONS AND PERFORMANCE DATA ⁽¹⁾

SIZE	in	2	3	4	6	8
	mm	50	80	100	150	200
A DIMENSION FACE TO FACE ⁽²⁾	in	16.26	22.0	29.12	36.75	45.0
	mm	413	559	740	933	1143
B DIMENSION CENTER LINE TO BOTTOM	in	10.5	13.0	17.0	21.73	29.0
	mm	267	330	432	552	737
C DIMENSION SCREEN REMOVAL	in	14.0	20.0	25.0	31.0	50.0
	mm	356	508	635	787	1270
APPROXIMATE ASSEMBLED WEIGHT ⁽³⁾	lb	C/F	350	550	C/F	C/F
	kg	C/F	158.8	249	C/F	C/F
Flow Coefficient	C _v	42	100	160	375	600

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 for weight of the 2", 3", 6", and 8" YS 70 if required.

PRESSURE - TEMPERATURE RATING

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

REFERENCED STANDARDS & CODES

CODE	DESCRIPTION
ASME/ANSI B16.5	Pipe Flanges and Flanged Fittings
ASME/ANSI B16.34	Flanged, Threaded, and Welding End

STANDARD SCREEN SELECTIONS

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

