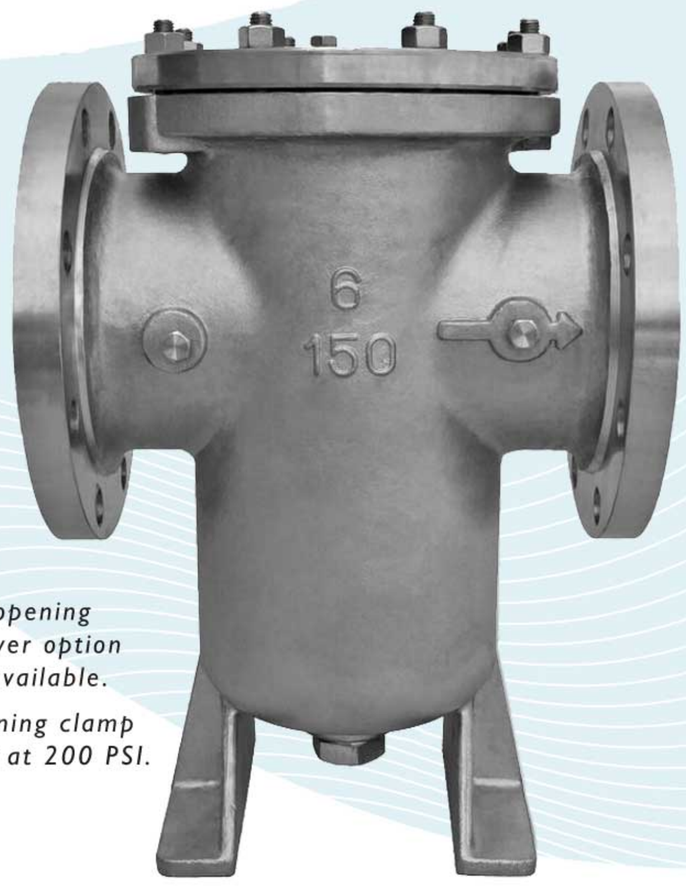
SIMPLEX BASKET STRAINER ❖ FLANGED ENDS (RF)

ANSI CLASS 150 ❖ CARBON AND STAINLESS STEEL

MODEL BCF1
(CARBON STEEL)

MODEL BSF1
(STAINLESS STEEL)

SIZES: 2" ~ 12"



Quick-opening clamp cover option is also available.

Quick-opening clamp cover rated at 200 PSI.

FEATURES

◇ **HIGH QUALITY DESIGN**

THE BSF1 BASKET STRAINER BOASTS MANY UNIQUE DESIGN FEATURES INCLUDING: INLET/OUTLET BOSSES WITH GAUGE TAPS (2" AND UP), SPOT-FACED FLANGE BOLT HOLES, PLUGGED BOTTOM DRAIN AND COVER VENT, CAST-IN SUPPORT LEGS (6" AND UP), EPOXY PAINTED CARBON BODIES, ENCAPSULATED COVER GASKET, AND AN OPTIONAL QUICK-OPENING COVER DESIGN.

◇ **MINIMAL PRESSURE LOSS**

PRESSURE LOSS IS MINIMIZED BY PROVIDING A SLANTED STRAINING ELEMENT DESIGN AND STRAIGHT FLOW PATH. PLUGGED, NPT TAPS ARE PROVIDED (NEAR THE INLET AND OUTLET ON BOTH SIDES) ALLOWING FOR THE QUICK MOUNTING OF PRESSURE GAUGES TO MONITOR PRESSURE LOSS.

◇ **LARGE STRAINING CAPACITY**

WITH ITS LARGE BODY AND SIZEABLE STRAINING ELEMENT, THE BCF1/ BSF1 HAS THE ABILITY TO STORE LARGE QUANTITIES OF DEBRIS WITHOUT AFFECTING PRESSURE LOSS - THUS MAXIMIZING TIME BETWEEN SERVICING.

◇ **NUMEROUS STRAINING ELEMENT OPTIONS**

STRAINING ELEMENTS ARE AVAILABLE IN A VARIETY OF PERFORATIONS, MESHES, AND MATERIALS. SPECIAL DESIGNS ARE ALSO AVAILABLE INCLUDING MAGNETIC, WEDGE WIRE, DRILLED PERFORATIONS, AND PLEATED STRAINING ELEMENTS. THE STANDARD MATERIAL FOR STRAINING ELEMENTS IS TYPE 304 STAINLESS STEEL.

◇ **SELF-CLEANING OPTION**

UTILIZING A MODIFIED STRAINING ELEMENT, THE BOTTOM DRAIN CAN BE FITTED WITH A STAYFLOW BALL VALVE TO ALLOW FOR THE AUTOMATIC CLEANING OR FLUSHING OF THE STRAINING ELEMENT WHILE KEEPING THE PIPELINE IN SERVICE.

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

- *Carbon Steel not recommended for prolonged use above 800 °F.*
- *Stainless Steel not recommended for prolonged use above 1000 °F.*

APPLICATIONS

MARKETS: WATER & WASTEWATER, PULP & PAPER, CHEMICAL & PETROCHEMICAL, PETROLEUM, OIL & GAS, TRANSPORTATION, MARINE INDUSTRY, AND FOOD INDUSTRY

GENERAL APPLICATION: SIMPLEX BASKET STRAINERS ARE INSTALLED INTO A PIPELINE SYSTEM TO REMOVE UNWANTED DEBRIS FROM THE PIPELINE FLOW. BASKET STRAINERS ARE COMMONLY USED IN HORIZONTAL PIPELINES WHERE DEBRIS LOADING IS HIGH AND THE COLLECTION OF SOLIDS IS REQUIRED. STRAINING IS ACCOMPLISHED VIA A PERFORATED OR MESH LINED STRAINING ELEMENT, INTERNAL TO THE BASKET STRAINER. IN GENERAL, THE SIZE OF THE PERFORATION OR MESH SHOULD BE SLIGHTLY SMALLER THAN THE SMALLEST DEBRIS PARTICLE TO BE REMOVED. IT IS IMPORTANT TO NOTE THAT THE CORRECT SIZE OF A BASKET STRAINER IS DETERMINED BY ITS JOB FUNCTION, NOT BY THE SIZE OF THE PIPELINE.

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SIMPLEX BASKET STRAINER
MODEL BSF1

Flanged Ends • Raised Face • Carbon & Stainless Steel

ANSI Class 150

BILL OF MATERIALS (1)

No.	PART	BCF1	BSF1
1	Body	Carbon Steel A216 Gr. WCB	Stainless Steel A351 Gr. CF8M
2	Cover (4)	Carbon Steel A216 Gr. WCB	Stainless Steel A351 Gr. CF8M
3	Cover Gasket (3) (4) (6)	Bolted Cover: Spiral Wound Stainless Steel Non-Asbestos Clamp Cover (Optional): Buna-N O-Ring	
4	Straining (3) (5) Element	Type 304 Stainless Steel (Other materials are available)	
5	Stud	Alloy Steel A193-B7	Stainless Steel 18-8 Series 300
6	Nut	Carbon Steel A194-2H	Stainless Steel 18-8 Series 300
7	Plug	Carbon Steel	Stainless Steel

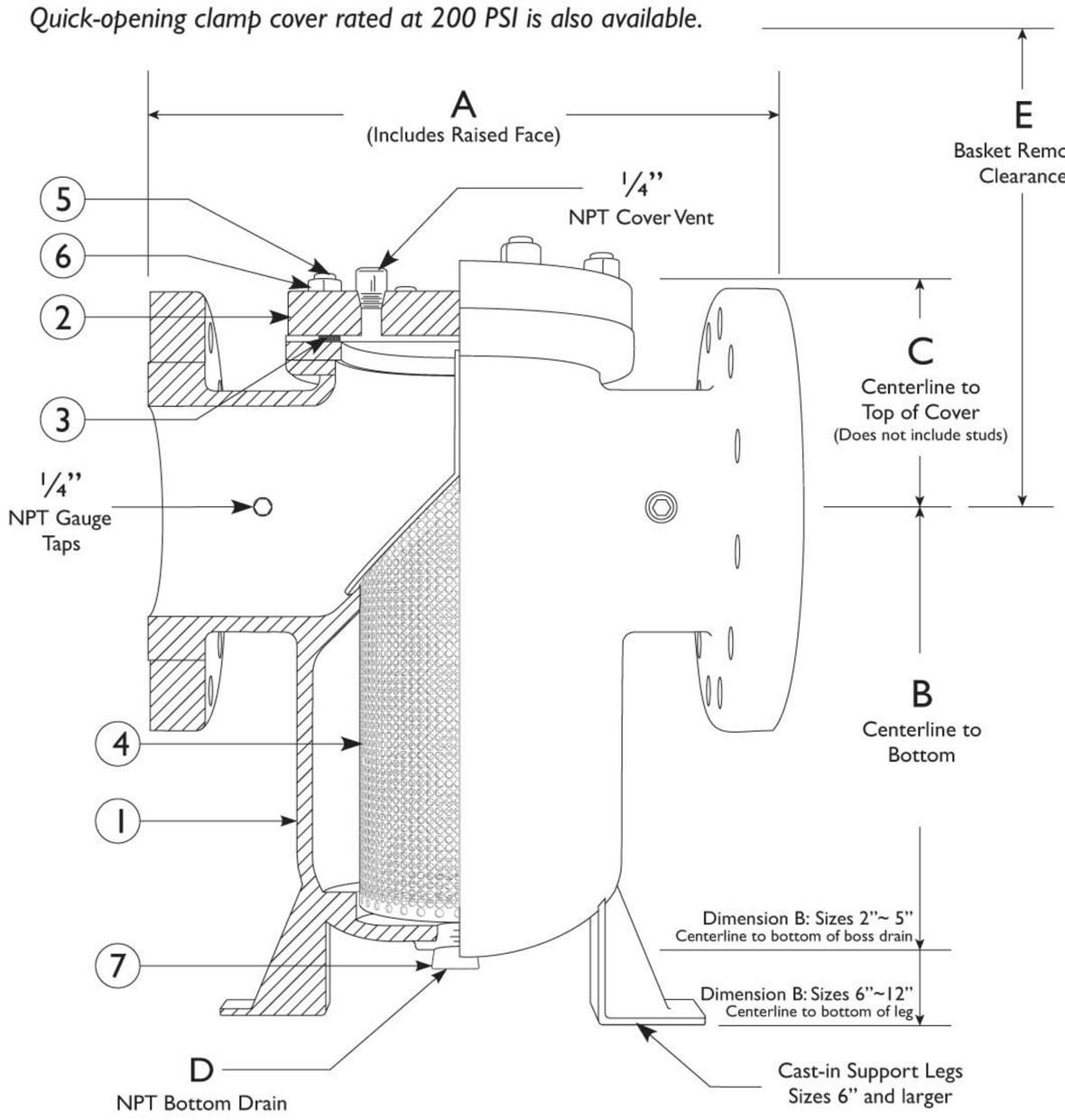
1. Equivalent or better materials may be substituted at the manufacturer's discretion.
2. Carbon Steel bodies are epoxy painted.
3. Denotes recommended spare parts.
4. Bolted cover is shown. For information on clamp cover, please contact factory.
5. Straining element on 2" BSF1 is a straight screen. It is not diagonal as illustrated on right.
6. Carbon Fiber Compressed gasket may be substituted at the manufacturer's discretion.

Body Material Application Notes:

• 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 is highly corrosion resistant, extremely strong, and 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.

Bolted cover is shown.
Quick-opening clamp cover rated at 200 PSI is also available.



DIMENSIONS AND PERFORMANCE DATA (1)

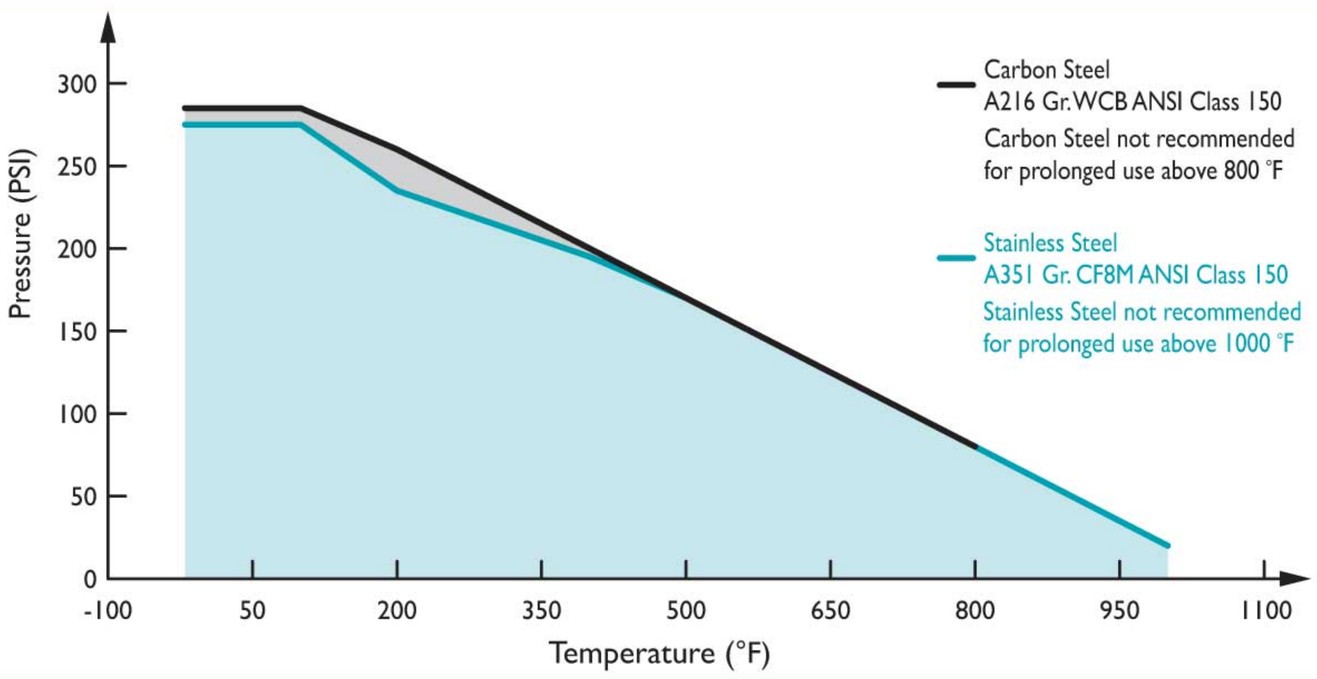
SIZE		in	2	2 1/2	3	4	5	6	8	10	12
		mm	50	65	80	100	125	150	200	250	300
A DIMENSION FACE TO FACE		in	8.50	8.00	8.75	11.187	C/F	13.875	17.375	22.00	26.25
		mm	216	204	223	285	C/F	353	442	559	667
B DIMENSION CTR. LINE TO BOTTOM		in	5.875	5.437	5.25	7.875	C/F	13.125	16.375	18.25	18.75
		mm	150	139	134	201	C/F	334	416	464	476
C DIMENSION CTR. LINE TO TOP		in	5.00	4.75	5.50	6.125	C/F	6.75	8.875	10.75	13.75
		mm	127	121	140	156	C/F	172	226	274	350
D DIMENSION NPT BLOW-OFF		in	.50	.75	.75	1.00	C/F	1.25	1.50	1.50	2.00
		mm	15	20	20	25	C/F	32	40	40	50
E DIMENSION SCREEN REMOVAL		in	10.875	10.187	10.75	14.0	C/F	19.875	25.25	30.125	37.5
		mm	276	259	273	356	C/F	505	641	765	953
ASSEMBLED WEIGHT APPROXIMATE		lb	27.0	33.0	38.0	64.0	89.0	128.0	227.0	362.0	487.0
		kg	12.2	15.0	17.2	29.0	40.4	58.0	102.9	164.0	220.7
Flow Coefficient		C_V	45	90	140	290	500	800	1600	2800	3700

1. Dimensions, weights, and flow coefficients are provided for reference only. When required, always 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.

Additional Design & Technical Notes:

- Cover vent is provided on all sizes. Cover vent is 1/4" NPT on all sizes and is furnished with plug.
- Bottom drain is furnished with plug. See table to the left for sizes.
- Plugged 1/4" NPT gauge taps (inlet and outlet) are provided on sizes 2" and larger.
- Cast-in support legs are provided on sizes 6" and larger.
- Optional cover designs are available - C/F.
- Steam jacketed designs are available - C/F.
- Epoxy coating is available - C/F.
- Designed for horizontal pipelines only.
- Standard material for straining elements is Type 304 Stainless Steel. Other materials are available upon request.

PRESSURE - TEMPERATURE RATING



REFERENCED STANDARDS & CODES

CODE	DESCRIPTION
ASME/ANSI B16.5	Pipe Flanges and Flanged Fittings
ANSI/MSS SP-55	Quality Standard - Visual Inspection

PRESSURE - TEMPERATURE RATING

ANSI CLASS 150	A216 Gr. WCB	A351 Gr. CF8M
WOG (Non-shock)	285 PSI @ 100 °F	275 PSI @ 100 °F

STANDARD SCREEN SELECTIONS

Size	Liquid	Open Area	Steam	Open Area
2" ~ 4"	1/16 (.0625)	41%	3/64 (.045)	36%
5" ~ 12"	1/8 (.125)	40%	30 Mesh Ln. (1)	44.8 %

1. For 10" and above, consult factory on screen selections for steam.

STAYFLOW

SIMPLEX BASKET STRAINER ❖ FLANGED ENDS

ANSI CLASS 300 ❖ CARBON AND STAINLESS STEEL

MODEL BCF2
(CARBON STEEL)

MODEL BSF2
(STAINLESS STEEL)

SIZES: 2" ~ 12"

FEATURES

◇ **RUGGED, HIGH QUALITY CONSTRUCTION**

THE MODEL BSF2 IS A HEAVY DUTY BASKET STRAINER DESIGNED WITH EXCEPTIONAL WALL THICKNESS. IT IS AVAILABLE IN BOTH CARBON STEEL AND STAINLESS STEEL. IT IS A LOGICAL CHOICE FOR SERVICE APPLICATIONS THAT HAVE HIGHER TEMPERATURE AND PRESSURE REQUIREMENTS.

◇ **MINIMAL PRESSURE LOSS**

PRESSURE LOSS IS MINIMIZED BY PROVIDING A SLANTED STRAINING ELEMENT DESIGN AND STRAIGHT FLOW PATH. PLUGGED, NPT TAPS ARE PROVIDED (NEAR THE INLET AND OUTLET ON BOTH SIDES) ALLOWING FOR THE QUICK MOUNTING OF PRESSURE GAUGES TO MONITOR PRESSURE LOSS.

◇ **LARGE STRAINING CAPACITY**

WITH ITS LARGE BODY AND SIZEABLE STRAINING ELEMENT, THE BCF2/ BSF2 HAS THE ABILITY TO STORE LARGE QUANTITIES OF DEBRIS WITHOUT AFFECTING PRESSURE LOSS - THUS MAXIMIZING TIME BETWEEN SERVICING.

◇ **NUMEROUS STRAINING ELEMENT OPTIONS**

STRAINING ELEMENTS ARE AVAILABLE IN A VARIETY OF PERFORATIONS, MESHES, AND MATERIALS. SPECIAL DESIGNS ARE ALSO AVAILABLE INCLUDING MAGNETIC, WEDGE WIRE, DRILLED PERFORATIONS, AND PLEATED STRAINING ELEMENTS. THE STANDARD MATERIAL FOR STRAINING ELEMENTS IS TYPE 304 STAINLESS STEEL.

◇ **SELF-CLEANING OPTION**

UTILIZING A MODIFIED STRAINING ELEMENT, THE BOTTOM DRAIN CAN BE FITTED WITH A STAYFLOW BALL VALVE TO ALLOW FOR THE AUTOMATIC CLEANING OR FLUSHING OF THE STRAINING ELEMENT WHILE KEEPING THE PIPELINE IN SERVICE.

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

- *Carbon Steel not recommended for prolonged use above 800 °F.*
- *Stainless Steel not recommended for prolonged use above 1000 °F.*

APPLICATIONS

MARKETS: WATER & WASTEWATER, PULP & PAPER, CHEMICAL & PETROCHEMICAL, PETROLEUM, OIL & GAS, TRANSPORTATION, MARINE INDUSTRY, AND FOOD INDUSTRY

GENERAL APPLICATION: SIMPLEX BASKET STRAINERS ARE INSTALLED INTO A PIPELINE SYSTEM TO REMOVE UNWANTED DEBRIS FROM THE PIPELINE FLOW. BASKET STRAINERS ARE COMMONLY USED IN HORIZONTAL PIPELINES WHERE DEBRIS LOADING IS HIGH AND THE COLLECTION OF SOLIDS IS REQUIRED. STRAINING IS ACCOMPLISHED VIA A PERFORATED OR MESH LINED STRAINING ELEMENT, INTERNAL TO THE BASKET STRAINER. IN GENERAL, THE SIZE OF THE PERFORATION OR MESH SHOULD BE SLIGHTLY SMALLER THAN THE SMALLEST DEBRIS PARTICLE TO BE REMOVED. IT IS IMPORTANT TO NOTE THAT THE CORRECT SIZE OF A BASKET STRAINER IS DETERMINED BY ITS JOB FUNCTION, NOT BY THE SIZE OF THE PIPELINE.

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SIMPLEX BASKET STRAINER

MODEL BSF2

Flanged Ends • Raised Face • Carbon & Stainless Steel

ANSI Class 300

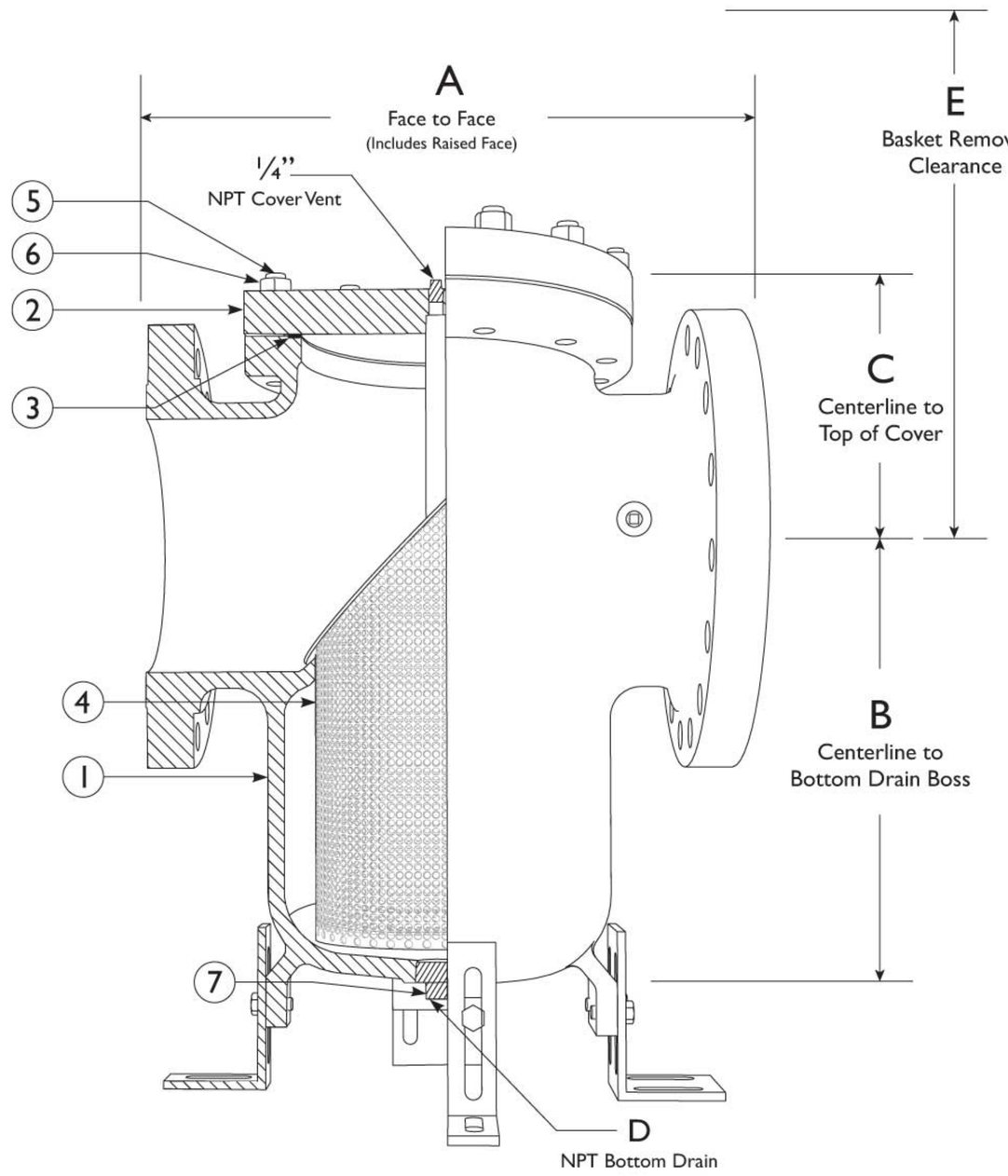
BILL OF MATERIALS (1)

No.	PART	BCF2	BSF2
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	Cover Gasket (3)(4)(6)	Spiral Wound Stainless Steel Non-Asbestos	
4	Straining (3) Element	Type 304 Stainless Steel (Other materials are available)	
5	Stud	Alloy Steel A193-B7	Stainless Steel 18-8 Series 300
6	Nut	Carbon Steel A194-2H	Stainless Steel 18-8 Series 300
7	Plug	Carbon Steel	Stainless Steel

1. Equivalent or better materials may be substituted at the manufacturer's discretion.
2. Carbon Steel bodies are epoxy painted.
3. Denotes recommended spare parts.
4. Gasket is for bolted cover. For special cover designs, different gasket may be used.
6. Carbon Fiber Compressed gasket may be substituted at the manufacturer's discretion.

Body Material Application Notes:

- 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 is highly corrosion resistant, extremely strong, and 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.



DIMENSIONS AND PERFORMANCE DATA (1)

SIZE		2	2 1/2	3	4	5	6	8	10	12
	mm	50	65	80	100	125	150	200	250	300
A DIMENSION FACE TO FACE (2)	in	8.50	8.69	9.56	11.75	C/F	14.75	18.13	22.88	25.38
	mm	216	221	243	302	C/F	375	461	582	645
B DIMENSION CTR. LINE TO BOTTOM	in	6.14	6.25	8.25	8.62	C/F	12.75	15.51	17.13	24.92
	mm	156	159	210	219	C/F	324	394	435	633
C DIMENSION CTR. LINE TO TOP	in	4.91	5.45	6.08	5.31	C/F	6.38	8.09	9.70	11.70
	mm	125	139	155	135	C/F	162	206	247	298
D DIMENSION NPT BLOW-OFF	in	.50	.75	.75	1.00	C/F	1.25	1.50	1.50	2.00
	mm	15	20	20	25	C/F	32	40	40	50
E DIMENSION SCREEN REMOVAL	in	9.00	10.00	10.00	10.00	C/F	20.00	20.00	26.00	35.00
	mm	229	254	254	254	C/F	508	508	661	889
ASSEMBLED WEIGHT APPROXIMATE	lb	40.0	63.0	63.0	108.0	C/F	200.0	342.0	542.0	946.0
	kg	18.1	28.5	28.5	48.9	C/F	90.6	155.0	245.6	429.1
Flow Coefficient	C_V	45	90	140	290	500	800	1600	2800	3700

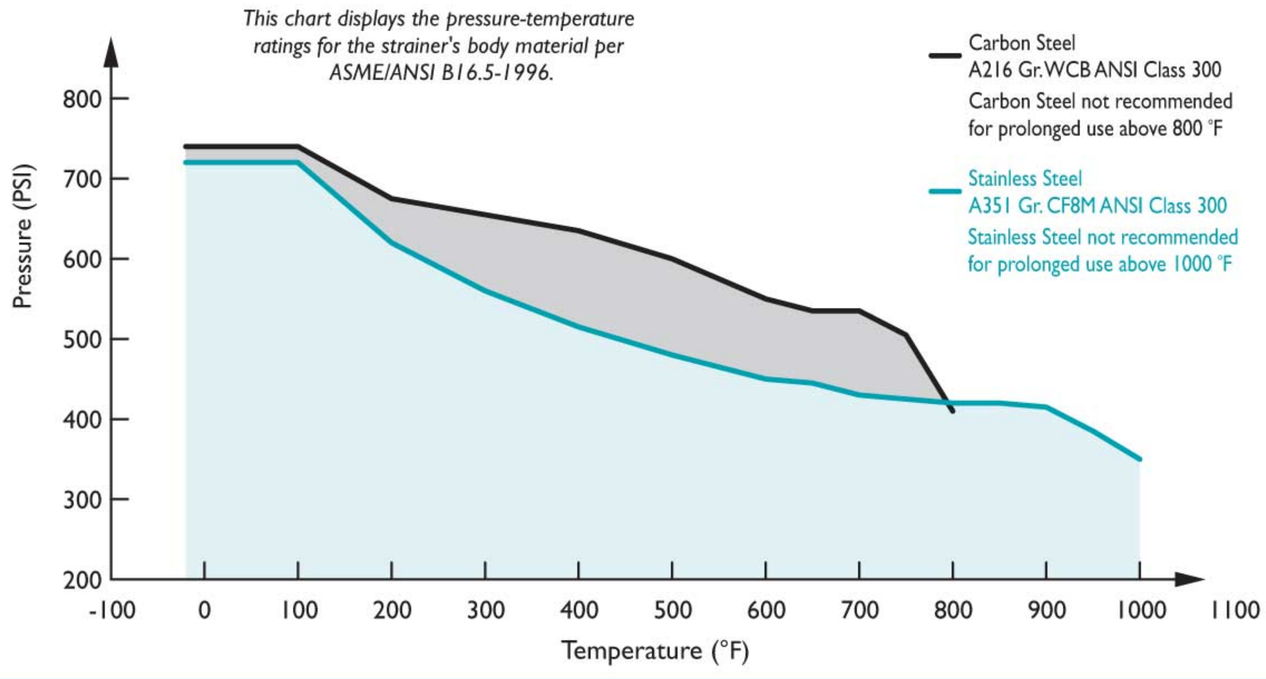
1. Dimensions, weights, and flow coefficients are provided for reference only. When required, always request certified drawings.
2. Face to face values have a tolerance of ±0.06 in (±2.0 mm) for sizes 10" and lower and a tolerance of ±0.12 in (±3.0 mm) for sizes 12" and larger.

Additional Design & Technical Notes:

- Cover vent provided on all sizes. Cover vent is 1/4" NPT on all sizes and is furnished with plug.
- Bottom drain is furnished with plug. See table to the left for sizes
- 1/4" NPT gauge taps are provided on all sizes and are furnished with plugs.
- Adjustable/Removable Support legs are provided on sizes 4" and larger.
- Optional cover designs are available - C/F.
- Steam jacketed designs are available - C/F.
- Epoxy coating is available - C/F.
- Designed for horizontal pipelines only.
- Standard material for straining elements is Type 304 Stainless Steel. Other materials are available upon request.

PRESSURE - TEMPERATURE RATINGS

This chart displays the pressure-temperature ratings for the strainer's body material per ASME/ANSI B16.5-1996.



REFERENCED STANDARDS & CODES

CODE	DESCRIPTION
ASME/ANSI B16.5	Pipe Flanges and Flanged Fittings
ANSI/MSS SP-55	Quality Standard - Visual Inspection

PRESSURE - TEMPERATURE RATING

ANSI CLASS 300	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
2" ~ 4"	1/16 (.0625)	41%	3/64 (.045)	36%
5" ~ 12"	1/8 (.125)	40%	30 Mesh (1)	44.8 %

1. For 10" and above, consult factory on screen selections for steam.

STAYFLOW

SIMPLEX BASKET STRAINER ❖ FLANGED ENDS

ASME CLASS 600 ❖ CARBON AND STAINLESS STEEL

MODELS: BCF3

(CARBON STEEL)

BSF3

(STAINLESS STEEL)

SIZES: 2" ~ 12"

FEATURES

◇ **RUGGED, HIGH QUALITY CONSTRUCTION**

THE MODEL BCF3/BSF3 IS A HEAVY DUTY BASKET STRAINER DESIGNED WITH EXCEPTIONAL WALL THICKNESS. IT IS AVAILABLE IN BOTH CARBON STEEL AND STAINLESS STEEL. IT IS A LOGICAL CHOICE FOR SERVICE APPLICATIONS THAT HAVE HIGHER TEMPERATURE AND PRESSURE REQUIREMENTS.

◇ **MINIMAL PRESSURE LOSS**

PRESSURE LOSS IS MINIMIZED BY PROVIDING A SLANTED STRAINING ELEMENT DESIGN AND STRAIGHT FLOW PATH. PLUGGED NPT TAPS ARE PROVIDED (NEAR THE INLET AND OUTLET ON BOTH SIDES) ALLOWING FOR THE QUICK MOUNTING OF PRESSURE GAUGES TO MONITOR PRESSURE LOSS.

◇ **LARGE STRAINING CAPACITY**

WITH ITS LARGE BODY AND SIZEABLE STRAINING ELEMENT, THE BS 89-CS/SS HAS THE ABILITY TO STORE LARGE QUANTITIES OF DEBRIS WITHOUT AFFECTING PRESSURE LOSS - THUS MAXIMIZING TIME BETWEEN SERVICING.

◇ **NUMEROUS STRAINING ELEMENT OPTIONS**

STRAINING ELEMENTS ARE AVAILABLE IN A VARIETY OF PERFORATIONS, MESHES, AND MATERIALS. SPECIAL DESIGNS ARE ALSO AVAILABLE INCLUDING MAGNETIC, WEDGE WIRE AND DRILLED PERFORATIONS. THE STANDARD MATERIAL FOR STRAINING ELEMENTS IS TYPE 304 STAINLESS STEEL.

◇ **CUSTOM-DESIGNED OPTION**

WHEN AN OFF-THE-SHELF UNIT WILL NOT WORK, TITAN† CAN FABRICATE A CUSTOM DESIGNED UNIT THAT WILL MEET YOUR EXACT PIPING REQUIREMENTS. THIS COULD INCLUDE A CUSTOM COVER OPTION FOR EASE OF MAINTENANCE OR A LARGER BODY FOR INCREASED DEBRIS LOADING CAPACITY.

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

- *Carbon Steel not recommended for prolonged use above 800 °F.*
- *Stainless Steel not recommended for prolonged use above 1000 °F.*

APPLICATIONS

MARKETS: WATER & WASTEWATER, PULP & PAPER, CHEMICAL & PETROCHEMICAL, PETROLEUM, OIL & GAS, TRANSPORTATION, MARINE INDUSTRY, AND FOOD INDUSTRY

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SIMPLEX BASKET STRAINER

BCF3 - (Carbon Steel)

BSF3 - (Stainless Steel)

Flanged Ends • Raised Face • Carbon & Stainless Steel

ASME Class 600

BILL OF MATERIALS (1)

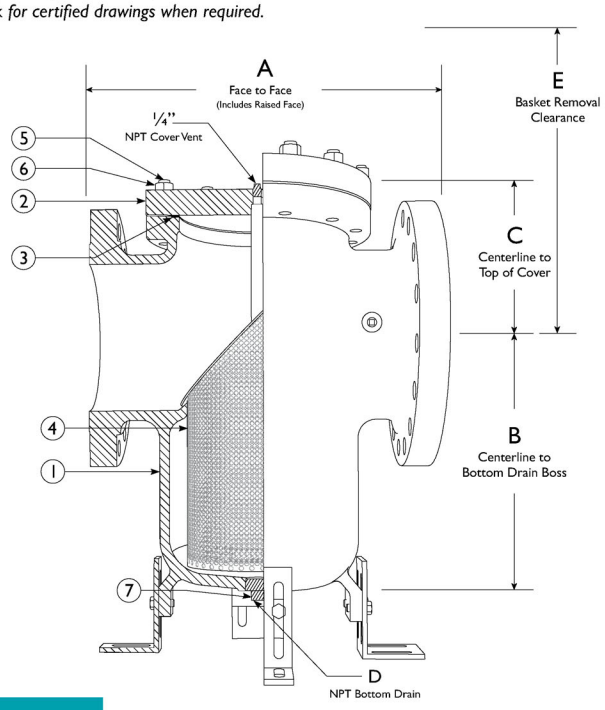
No.	PART	BCF3 (2)	BSF3
1	Body	Carbon Steel A216 Gr.WCB	Stainless Steel A351 Gr. CF8M
2	Cover	Carbon Steel A216 Gr.WCB	Stainless Steel A351 Gr. CF8M
3	Cover Gasket (3)(4)	Spiral Wound Stainless Steel Non-Asbestos	
4	Straining (3) Element	Type 304 Stainless Steel (Other materials are available)	
5	Stud	Alloy Steel A193-B7	Stainless Steel A-193-B8
6	Nut	Carbon Steel A194-2H	Stainless Steel A-193-8
7	Plug	Carbon Steel	Stainless Steel

1. Equivalent or better materials may be substituted at the manufacturer's discretion.
2. Carbon Steel bodies are epoxy painted.
3. Denotes recommended spare parts.
4. Carbon Fiber Compressed gasket may be substituted at the manufacturer's discretion.

Body Material Application Notes:

- 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 is highly corrosion resistant, extremely strong, and 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.

Illustrations are representative of a 10" BCF3
Please ask for certified drawings when required.



DIMENSIONS AND PERFORMANCE DATA (1)

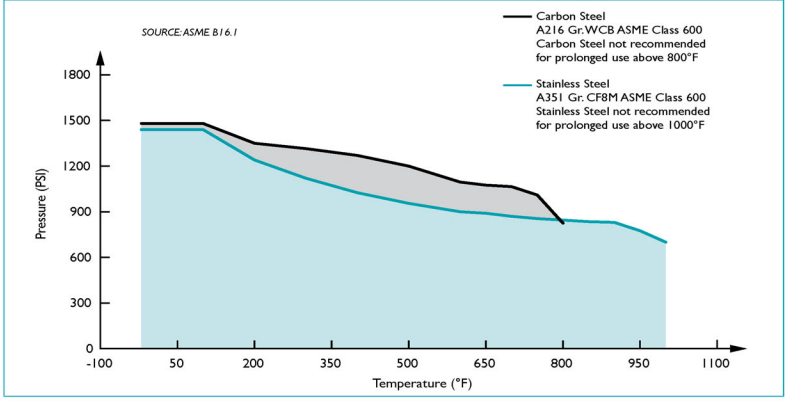
SIZE		in	2	2 ½	3	4	6	8	10	12
		mm	50	65	80	100	150	200	250	300
A DIMENSION FACE TO FACE (2)		in	11.25	12.25	12.60	14.56	18.31	21.56	26.53	30.56
		mm	286	312	320	370	465	548	674	776
B DIMENSION CTR. LINE TO BOTTOM		in	6.25	6.69	8.25	8.63	13.00	15.94	17.50	26.94
		mm	158	170	209	220	330	405	445	684
C DIMENSION CTR. LINE TO TOP		in	4.93	5.50	6.13	6.30	8.06	10.00	12.32	14.00
		mm	125	140	156	160	205	254	313	355
D DIMENSION NPT BOTTOM DRAIN		in	.50	.75	.75	1.00	1.25	1.50	1.50	2.00
		mm	15	20	20	25	32	40	40	50
E DIMENSION NPT SIDE DRAIN (2)		in	.50	.50	.50	.50	.75	.75	.75	1.00
		mm	15	15	15	15	20	20	20	25
F DIMENSION SCREEN REMOVAL		in	12.63	13.19	16.75	17.31	24.63	31.12	36.25	40.00
		mm	320	335	425	440	625	790	920	1020
ASSEMBLED WEIGHT APPROXIMATE		lb	51	80	90	160	330	530	950	1220
		kg	23	36	41	73	150	240	430	550
Flow Coefficient		C_v	45	90	140	290	800	1600	2800	3700

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

Additional Design & Technical Notes:

- Cover vent provided on all sizes. Cover vent is 1/8" NPT on 2" - 4" sizes and 1/4" on sizes 6"- 12" all are furnished with plug.
- Bottom drain is furnished with plug. See table to the left for sizes.
- 1/4" NPT gauge taps are provided on all sizes and are furnished with plugs.
- Adjustable/Removable Support legs are provided on sizes 4" and larger.
- Steam jacketed designs are available - C/F.
- Epoxy coating is available - C/F.
- Designed for horizontal pipelines only.
- Standard material for straining elements is Type 304 Stainless Steel. Other materials are available upon request.

PRESSURE - TEMPERATURE RATINGS



REFERENCED STANDARDS & CODES

CODE	DESCRIPTION
ASME B16.5	Pipe Flanges and Flanged Fittings
ASME/MSS SP-55	Quality Standard - Visual Inspection

PRESSURE - TEMPERATURE RATING

ASME CLASS 600	A216 Gr.WCB	A351 Gr. CF8M
WOG (Non-shock)	1480 PSI @ 100 °F	1440 PSI @ 100 °F

SCREEN SELECTION GUIDELINES

Size	Liquid	Open Area	Steam	Open Area
2" ~ 4"	1/16 (.0625)	41%	3/64 (.045)	36%
6" ~ 12"	1/8 (.125)	40%	30 Mesh	44.8 %