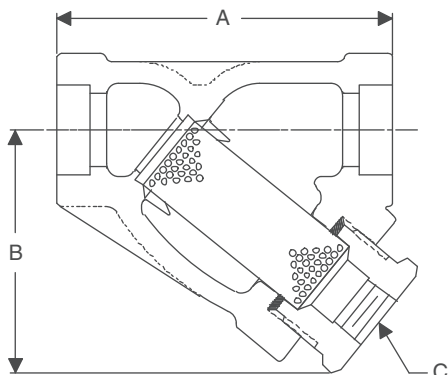


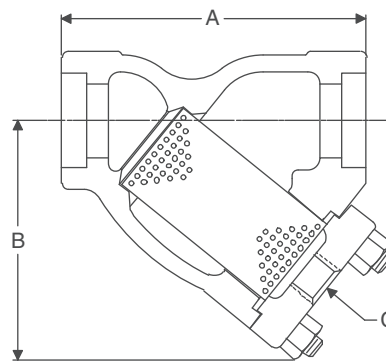


Cast Carbon Steel (WCB)

600 lb and 900 lb Screwed or Socketweld 1/2" - 3"



900 lb—B1SC/B1SW 1/2", 3/4", 1"



600 lb—B1SC/B1SW 1-1/4", 1-1/2", 2", 3"

For a fully detailed certified drawing, refer to:

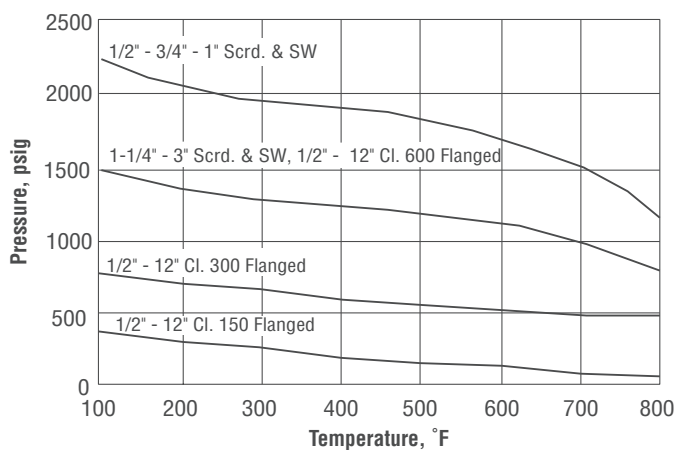
900 lb—B1SC/B1SW 1/2", 3/4", 1"

CD #1047

600 lb—B1SC/B1SW 1-1/4", 1-1/2", 2", 3"

CD #1048

Pressure/Temperature Rating



Materials: 600 lb and 900 lb Screwed or Socketweld 1/2" - 3" (15 - 80 mm)

Connection Size		Body	Screen Retainer	Gasket	Bolting	Standard Screen
in	mm					
1/2, 3/4	15, 20	ASTM A216 Gr. WCB	ASTM A108 Gr. 1045	Soft Steel	N/A	304 SS .045" perforated*
1	25		ASTM A108 Gr. 1040			
1-1/4, 1-1/2, 2	32, 40, 50		ASTM A216 Gr. WCB	304 SS Spiral Wound Non-asbestos	Studs ASTM A193 Gr. B7 Nuts ASTM A194 Gr. 2H	
3	80			Non-asbestos	Cap Screws ASTM A193 Gr. B7	

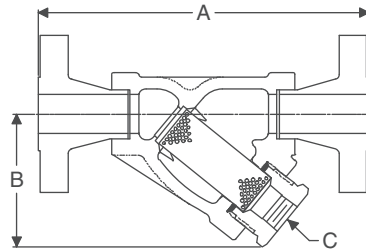
*NOTE: Other screen materials available. See page 435.

Physical Data: 600 lb and 900 lb Screwed or Socketweld 1/2" - 3" (15 - 80 mm)

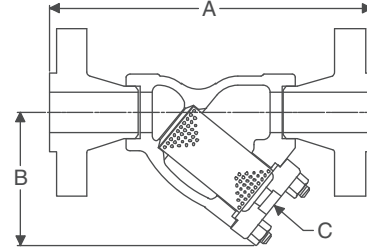
Size		Ordering Code Standard Screen		Weight		Dimensions						Maximum Pressure				Screen Retainer Type	Connections
						A		B		C		Saturated Steam		100°F (38°C) non-shock			
in	mm	Scr'd	SW	lb	kg	in	mm	in	mm	in	mm	psig	barg	psig	barg		
1/2	15	B1SC	B1SW	2-1/2	1	3-3/4	95	2-11/16	68	3/8	9.5	1 635	113	2 220	153	Threaded	ANSI B1.20.1 Screwed
3/4	20			3-1/2	1.6	4-3/16	106	2-15/16	75	1/2	15						
1	25			6	2.7	5	127	3-1/2	89								
1-1/4	32			9	4	5-1/2	140	4-3/16	106			1 135	78	1 480	102	Bolted	ANSI B16.11 Socketweld
1-1/2	40			11	5	6-5/16	160	4-13/16	122								
2	50			19	9	7-3/4	197	5-5/8	143								
3	80			46	21	11-3/8	289	8-3/16	208	1-1/4	32						

Cast Carbon Steel (WCB)

Class 150, 300 Flanged, and 600 Flanged 1/2" - 1-1/2"



B1FL 1/2", 3/4", 1"



B1FL 1-1/4", 1-1/2"

For a fully detailed certified drawing, refer to:

B1FL 1/2", 3/4", 1" CD #1050

B1FL 1-1/4", 1-1/2" CD #1051

Materials: Class 150, 300, and 600 Flanged 1/2" - 1-1/2" (15 - 40 mm)

Connection Size		Body	Screen Retainer	Gasket	Bolting	Standard Screen
in	mm					
1/2, 3/4	15, 20	ASTM A216 Gr. WCB	ASTM A108 Gr. 1045	Soft Steel	N/A	304 SS .045" perforated*
1	25		ASTM A216 Gr. WCB	304 SS Spiral Wound Non-asbestos	Studs ASTM A193 Gr. B7 Nuts ASTM A194 Gr. 2H	
1-1/4, 1-1/2	32, 40					

*NOTE: Other screen materials available. See page 435.

Physical Data: Class 150, 300, and 600 Flanged 1/2" - 1-1/2" (15 - 40 mm)

Size		Ordering Code, Standard Screen	Weight		Dimensions						Maximum Pressure				Screen Retainer Type	Flanges
					A		B		C		Saturated Steam		100°F (38°C) non-shock			
in	mm		lb	kg	in	mm	in	mm	in	mm	psig	barg	psig	barg		
1/2	15	B1FL 150	5	2.3	6-7/8	175	2-11/16	68	3/8	9.5	205	14	285	20	Threaded	Class 150 ANSI B16.5 1/16" RF
3/4	20		10	4.5	7-3/8	187	2-15/16	75	1/2	15						
1	25		10-1/2	4.8	8-1/2	216	3-1/2	89								
1-1/4	32		15	7	9	229	4-3/16	106								
1-1/2	40		20	9	10-1/4	260	4-13/16	122								
1/2	15	B1FL 300	6-1/2	3	7-1/4	184	2-11/16	68	3/8	9.5	605	42	740	51	Threaded	Class 300 ANSI B16.5 1/16" RF
3/4	20		12	5	7-3/4	197	2-15/16	75	1/2	15						
1	25		13-1/2	6	8-7/8	226	3-1/2	89								
1-1/4	32		17-1/2	8	9-5/8	244	4-3/16	106								
1-1/2	40		26	12	10-3/4	273	4-13/16	122								
1/2	15	B1FL 600	11	5	7-11/16	195	2-11/16	68	3/8	9.5	1135	78	1480	102	Threaded	Class 600 ANSI B16.5 1/4" RF
3/4	20		12	5.4	8-1/4	210	2-15/16	75	1/2	15						
1	25		13-1/2	6	9-3/8	238	3-1/2	89								
1-1/4	32		18-1/2	8.5	10-1/4	260	4-3/16	106								
1-1/2	40		28	13	11-5/16	287	4-13/16	122								

NOTE: For pressure/temperature ratings, see page 438.