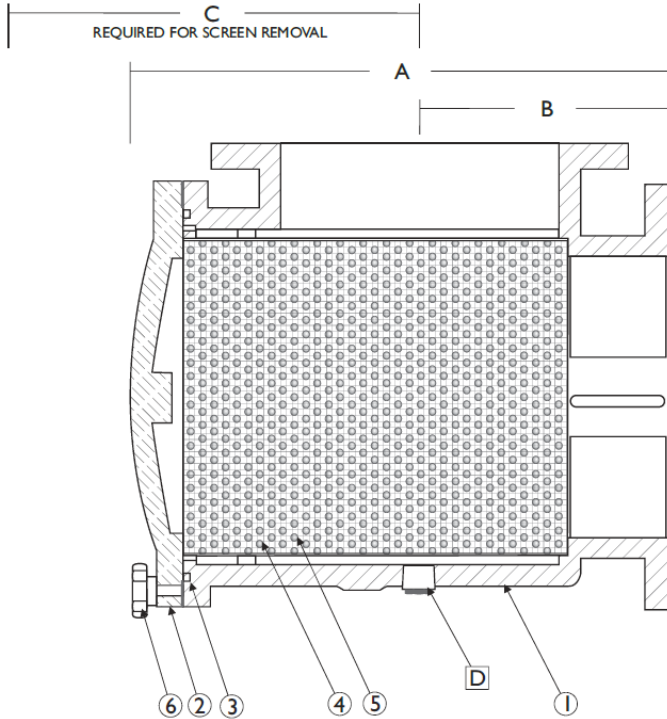




SD – Suction Diffuser

Cast Iron, 125# Class Flanges



200 psig @ 150 F W.O.G.

1. Equivalent or better materials may be substituted at the manufacturer's discretion.
2. Denotes recommended spare parts.

SD BILL OF MATERIALS ⁽¹⁾

No.	Part	SD
1	Body	Cast Iron A126-B
2	Cover	Cast Iron A126-B
3	O-Ring ⁽²⁾	EPDM
4	Straining Element ⁽²⁾	Stainless Steel 304
5	Start-up Screen ⁽²⁾	Stainless Steel 304 20 Mesh
6	Bolt	Carbon Steel AISI 1035

1. Equivalent or better materials may be substituted at the manufacturer's discretion.
2. Denotes recommended spare parts.

CODE	DESCRIPTION
ANSI B16.1	Cast Iron Pipe Flanges and Flanged Fittings
ANSI B16.5	Pipe Flanges & Flanged Fittings
MSS SP-6	Standard Finishes for Connecting-end Flanges
MSS SP-25	Standard Marking System for Valves
MSS SP-55	Quality Standard for Valve Castings
ASTM F1199	Standard Specification for Cast and Welded Pipe Line Strainers
ASTM F1200	Standard Specification for Fabricated (Welded) Pipe Line Strainers

SD DIMENSIONS AND PERFORMANCE DATA

SIZE	in	2 x 1 1/4	2 x 1 1/2	2 x 2	2 1/2 x 2	2 1/2 x 2 1/2	3 x 2	3 x 2 1/2	3 x 3	4 x 3	4 x 4
A DIMENSION TOP OF COVER TO FLANGE	in	9.25	9.25	9.25	10.0	10.0	9.37	10.75	10.62	12.37	12.0
	mm	235	235	235	254	254	238	273	270	314	305
B DIMENSION CENTER TO FLANGE	in	4.5	4.5	4.5	5.0	5.0	4.5	5.75	5.75	6.75	6.5
	mm	114	114	114	127	127	114	146	146	171	165
C DIMENSION SCREEN REMOVAL	in	8.81	8.81	8.81	9.12	9.12	9.62	9.62	9.62	11.5	11.5
	mm	224	224	224	232	232	244	244	244	292	292
D DIMENSION N.R.T.	in	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	1
	mm	20	20	20	20	20	20	20	20	20	25
WEIGHT (APPROXIMATE)	lb	24.0	26.0	28.0	39.0	40.0	34.0	52.0	53.0	74.0	76.5
	kg	10.9	11.8	12.7	17.7	18.1	15.4	23.6	24.0	33.6	34.7

SIZE	in	5 x 4	5 x 5	6 x 4	6 x 5	6 x 6	8 x 5	8 x 6	8 x 8	10 x 8	10 x 10
A DIMENSION TOP OF COVER TO FLANGE	in	15.0	15.25	12.0	15.98	16.5	19.17	16.5	20.75	21.0	27.0
	mm	381	387	305	406	419	487	419	527	533	686
B DIMENSION CENTER TO FLANGE	in	7.5	7.5	6.5	10.43	8.0	9.0	8.0	9.0	9.0	11.5
	mm	191	191	165	265	203	229	203	229	229	292
C DIMENSION SCREEN REMOVAL	in	14.87	14.87	16.56	16.56	16.56	16.87	16.87	22.87	22.87	30.25
	mm	378	378	421	421	421	429	429	581	581	768
D DIMENSION N.R.T.	in	1	1	1	3/4	1	1	1	1 1/4	1	1 1/4
	mm	25	25	25	19	25	25	25	32	25	32
WEIGHT (APPROXIMATE)	lb	110.5	112.5	96.0	160.5	155.5	185.0	180.0	298.5	296.0	480.0
	kg	50.1	51.0	43.5	72.8	70.5	83.9	81.6	135.4	134.3	217.7

SIZE	in	12 x 8	12 x 10	12 x 12	14 x 10	14 x 12	14x14	16x12	16x14	16x16	18x16*
A DIMENSION TOP OF COVER TO FLANGE	in	21.0	26.68	26.68	25.0	27.0	26.87	32.17	30.25	29.33	36.38
	mm	533	678	678	635	686	683	817	768	745	924
B DIMENSION CENTER TO FLANGE	in	11.0	11.25	12.0	13.0	13.25	13.25	19.25	14.5	14.33	21.81
	mm	280	286	305	330	337	337	489	368	364	554
C DIMENSION SCREEN REMOVAL	in	22.87	33.0	28.75	33.0	31.0	33.12	33.66	31.0	33.12	38.75
	mm	581	838	730	838	787	841	855	787	841	985
D DIMENSION N.R.T.	in	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1	1 1/2	C/F	1
	mm	32	32	32	32	32	32	25.4	40	C/F	25.4
WEIGHT (APPROXIMATE)	lb	422.0	498.0	588.0	515.0	554.0	564.0	724.0	748.0	C/F	1600
	kg	191.4	225.9	266.7	233.6	251.3	255.8	328.4	339.3	C/F	725.8

1. Dimensions and weights are for reference only. When required, request certified drawings. * Larger sizes are available. Please consult factory for dimensions.