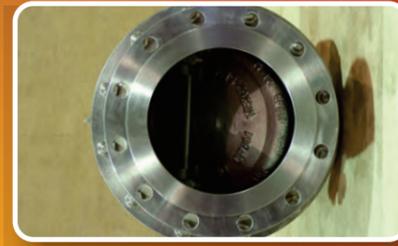
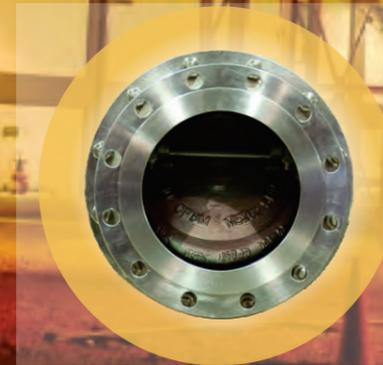
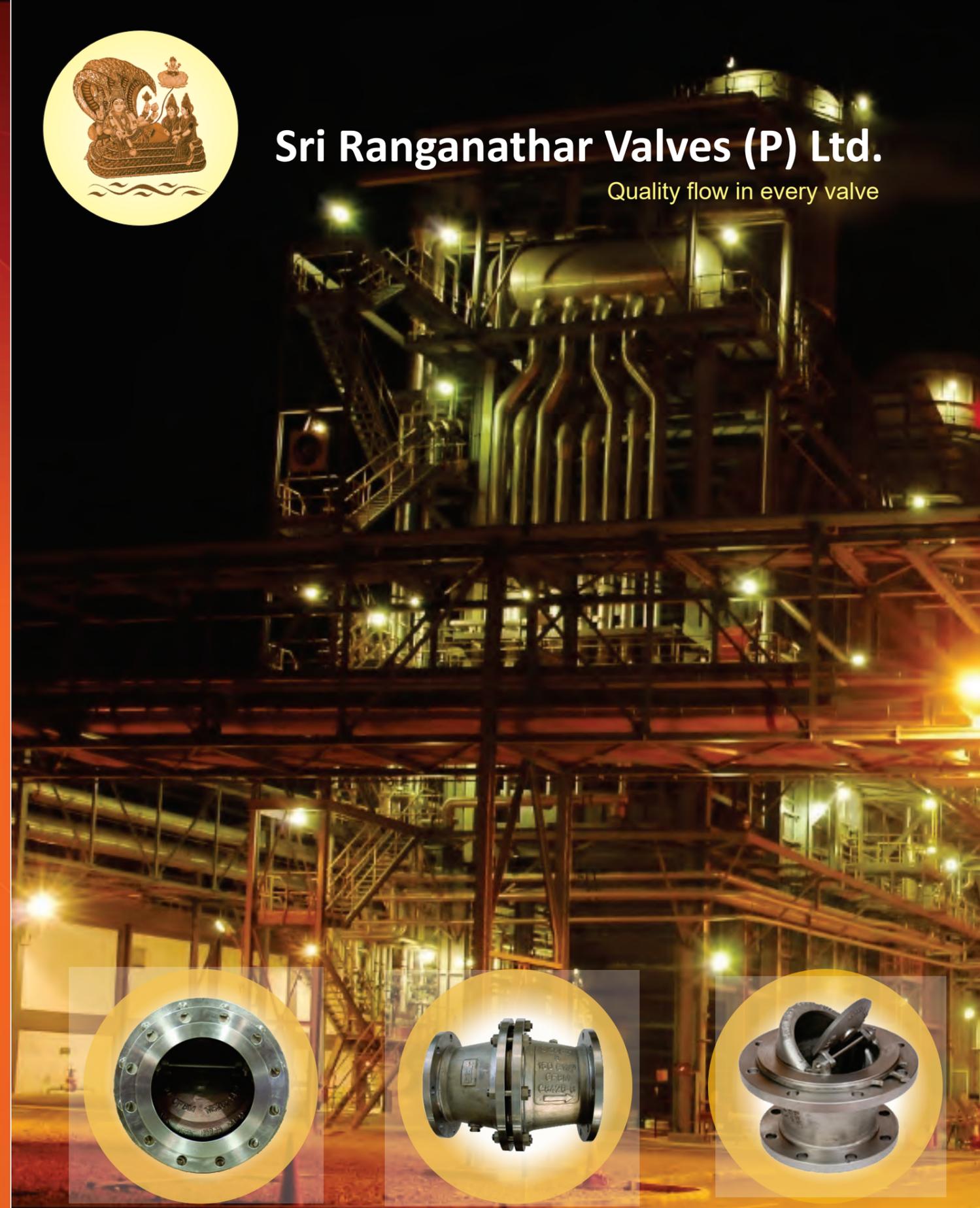


VALVES WORKING WELL ON LINE AT CUSTOMER PLACE FOR OVER 11 YEARS



Sri Ranganathar Valves (P) Ltd.

Quality flow in every valve



Sri Ranganathar Valves Pvt. Ltd
7/109, Arasur,
Coimbatore – 641 047
Tamilnadu, INDIA.

Phone : +(91) - 422 - 6556061
Email : srv@sriindia.net



TILTING DISC CHECK VALVE

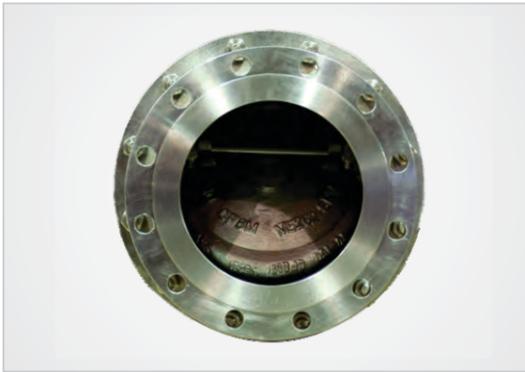
ISO 9001 : 2015 | PED | API 6D CERTIFIED

TILTING DISC CHECK VALVE

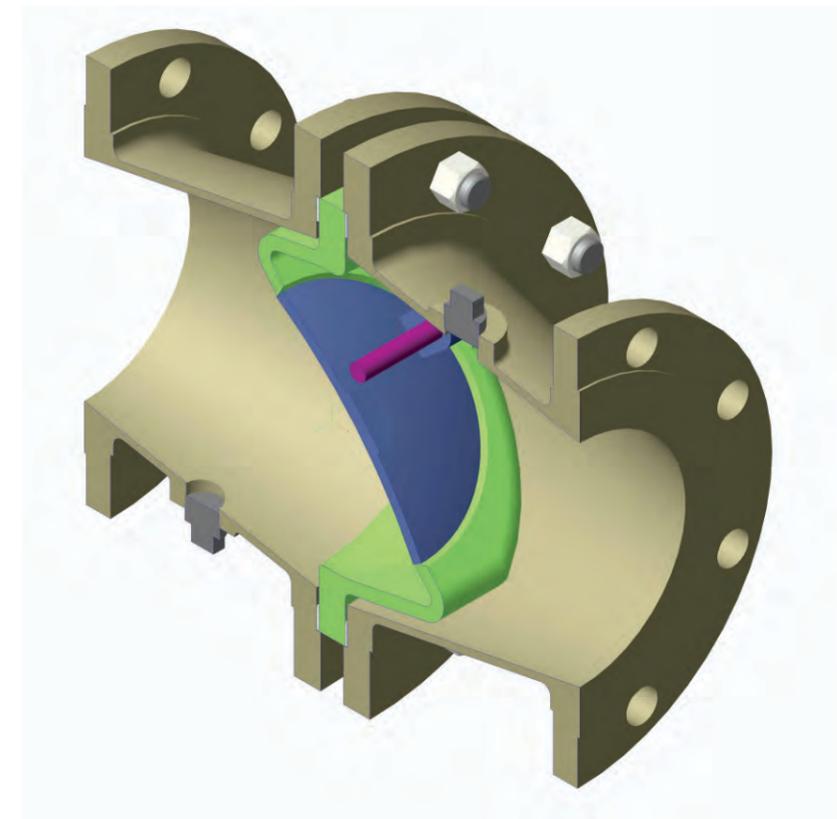
- DESIGNED FOR PRESSURE RATING CWP150, #150, #300, #600, #900 & #1500
- NON SLAM CONICAL DISC
- PIVOTED OFF THE CENTER LINE FOR SMOOTH AND QUICK ACTION
- SENSITIVE TO LOW RETURN PRESSURE
- THREE PIECE DESIGN FOR EASY MAINTENANCE

- DRAIN AND PURGE PORT IS STD
- ALL GRADES OF ASTM 216,217,351,352, 494 & 890 AVAILABLE
- METAL TO METAL SEAT
- WORKING ALL OVER THE WORLD FOR THE PAST 11 YEARS

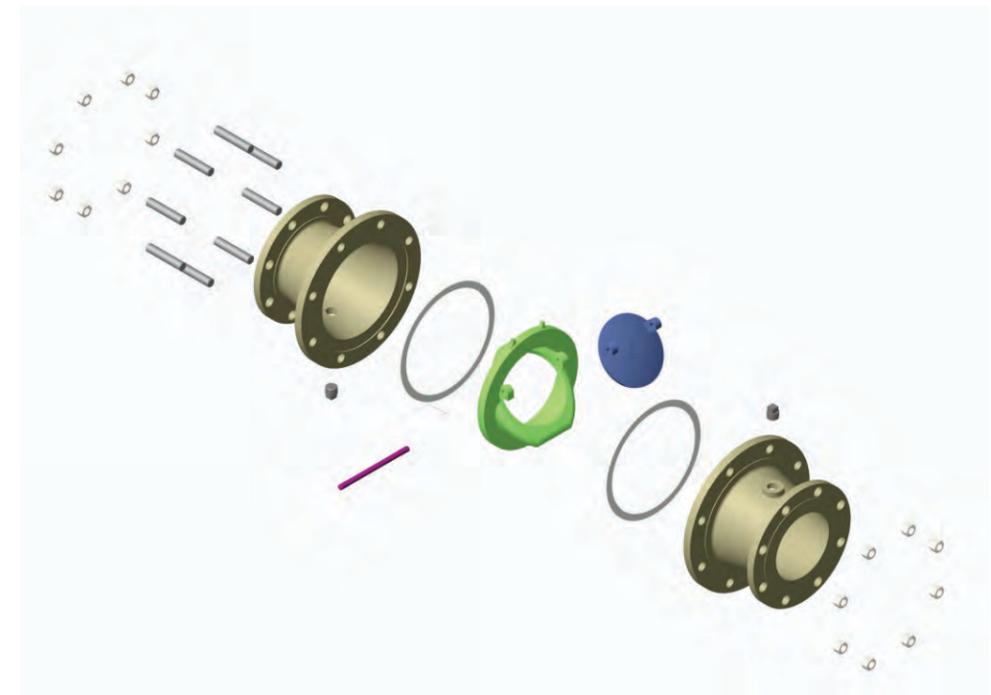
MADE TO DIFFERENT BRANDS, MATERIALS AND END CONNECTIONS



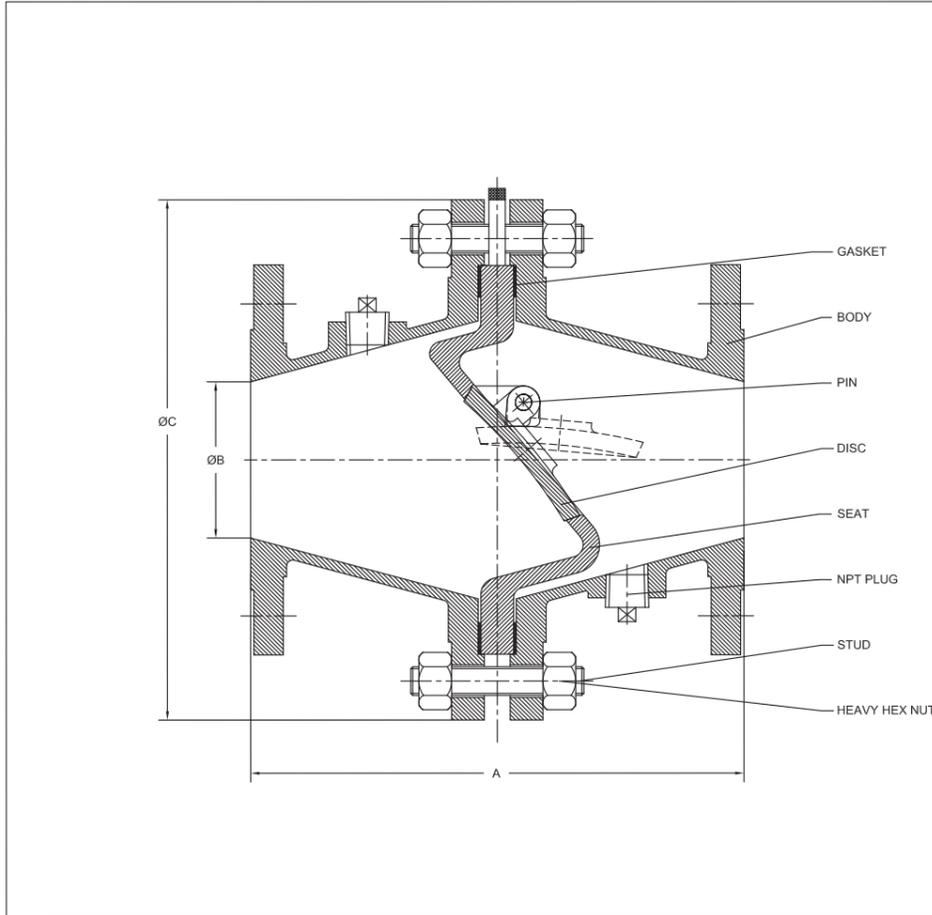
SOLID MODEL OF TILTING DISC CHECK VALVE



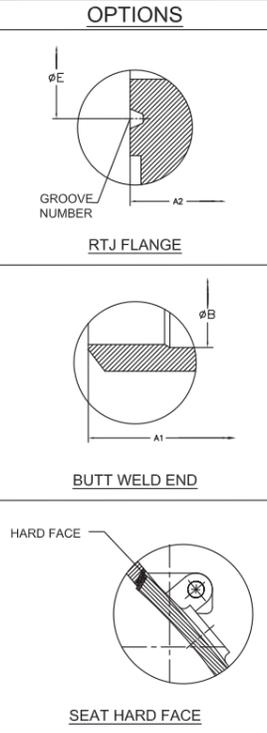
EXPLODED VIEW OF TILTING DISC CHECK VALVE



GENERAL ASSEMBLY



DESIGN SPECIFICATIONS	
GENERAL VALVE DESIGN*	ASME B16.34
PRESSURE TEMPERATURE RATING	ASME B16.34
WALL THICKNESS*	ASME B16.34
FLANGE DESIGN	ASME B16.5 / ASME B16.47-A
BUTT WELD END DESIGN	ASME B16.25
FACE TO FACE DIMENSION	SRV STD
END TO END DIMENSION	SRV STD
MATERIALS	ASTM
VALVE TESTING	API 598 / SRV STD



DIMENSIONS

CWP150	SIZE	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	30	36
	INCH	50	65	80	100	150	200	250	300	350	400	450	500	600	750	900
A	INCH	8.00	8.50	9.50	11.50	14.00	18.00	21.73	25.50	28.00	30.00	31.00	32.50	34.00	45.00	53.00
	mm	203.2	216.0	241.0	292.0	356.0	457.0	552.0	648.0	711.0	762.0	787.0	825.0	864.0	1143.0	1346.2
ØB	INCH	2	2.5	3	4	6	8	10	12	13.25	15.25	17.25	19.25	23.25	29.25	35.25
	mm	51	64	76	102	152	203	254	305	337	387	438	489	591	743	896
C	INCH	8.5	9.0	10.0	11.0	13.5	16.0	19.0	21.0	23.5	25.0	27.5	32.0	38.8	52.0	63.0
	mm	217.0	228.6	254.0	279.0	343.0	406.0	483.0	533.0	597.0	635.0	698.0	813.0	984.0	1563.0	1600.0

#150	SIZE	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	30	36
	INCH	50	65	80	100	150	200	250	300	350	400	450	500	600	750	900
A	INCH	8.00	8.50	9.50	11.50	14.00	19.50	24.50	27.50	31.00	30.00	33.00	32.50	38.00	49.50	59.50
	mm	203.2	215.9	241.3	292.1	355.6	495.3	622.3	698.5	787.4	762	838.2	825.5	965.2	1257.3	1511.3
A1	INCH	8.00	8.50	9.50	11.50	14.00	19.50	24.50	27.50	31.00	30.00	33.00	32.50	38.00	49.50	59.50
	mm	203.2	215.9	241.3	292.1	355.6	495.3	622.3	698.5	787.4	762	838.2	825.5	965.2	1257.3	1511.3
A2	INCH	8.5	9.00	10.00	12.00	14.50	20.00	25.00	28.00	31.50	30.50	33.50	33.00	38.50	-	-
	mm	215.9	228.6	254	304.8	368.3	508	635	711.2	800.1	774.7	850.9	838.2	977.9	-	-
ØB	INCH	2.00	2.50	3.00	4.00	6.00	8.00	10.00	12.00	13.25	15.25	17.25	19.25	23.25	29.25	35.25
	mm	51	64	76	102	152	203	254	305	337	387	438	489	591	743	896
C	INCH	10.3	12.1	12.1	14.0	15.6	22.5	26.5	30.2	31.7	35.3	39.2	43.3	50.7	61.5	70.7
	mm	263	308	308	355	396	571	674	768.0	806	896	997	1100	1290	1563	1796
RTJ Groove Number	RTJ Groove Number	22	25	29	36	45	48	52	56	59	64	68	72	76	-	-
	INCH	3.250	4.000	4.500	5.875	8.312	9.750	12.000	15.000	15.625	17.875	20.375	22.000	26.500	-	-
ØD	INCH	82.55	101.60	114.30	149.23	211.12	247.65	304.80	381.00	396.88	454.03	517.53	558.80	673.10	-	-
	mm	82.55	101.60	114.30	149.23	211.12	247.65	304.80	381.00	396.88	454.03	517.53	558.80	673.10	-	-

#300	SIZE	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	30	36
	INCH	50	65	80	100	150	200	250	300	350	400	450	500	600	750	900
A	INCH	10.50	11.50	12.50	14.00	17.50	21.00	24.50	28.00	30.00	33.00	36.00	39.00	45.00	54.00	60.00
	mm	266.7	292.1	317.5	355.6	444.5	533.4	622.3	711.2	762.0	838.2	914.4	990.6	1143.0	1371.6	1524.0
A1	INCH	10.50	11.50	12.50	14.00	17.50	21.00	24.50	28.00	30.00	33.00	36.00	39.00	45.00	54.00	60.00
	mm	266.7	292.1	317.5	355.6	444.5	533.4	622.3	711.2	762.0	838.2	914.4	990.6	1143.0	1371.6	1524.0
A2	INCH	11.12	12.12	13.12	14.62	18.12	21.62	25.12	28.62	30.62	33.62	36.62	39.75	45.88	55.00	62.12
	mm	282.4	307.9	333.2	371.3	460.2	549.1	638.1	726.9	777.7	853.9	930.1	1009.7	1165.4	1397.0	1577.8
ØB	INCH	2.00	2.50	3.00	4.00	6.00	8.00	10.00	12.00	13.25	15.25	17.00	19.00	23.00	29.00	35.00
	mm	51	64	76	102	152	203	254	305	337	387	432	483	584	737	889
C	INCH	11.4	13.4	13.4	15.2	17.1	24.0	28.6	33.9	35.2	39.3	43.5	46.0	53.0	62.9	79.7
	mm	293	341	341	386	434	611	727	862	894	999	1105	1168	1347	1599	2025
RTJ Groove Number	RTJ Groove Number	23	26	30	37	45	49	53	57	61	65	69	73	77	95	98
	INCH	3.250	4.000	4.625	5.875	8.312	10.625	12.750	15.000	16.500	18.500	21.000	23.000	27.250	33.750	40.250
ØD	INCH	82.55	101.60	117.28	149.23	211.12	269.88	323.85	381.00	419.10	469.90	533.40	584.20	692.15	857.25	1022.35
	mm	82.55	101.60	117.28	149.23	211.12	269.88	323.85	381.00	419.10	469.90	533.40	584.20	692.15	857.25	1022.35

#600	SIZE	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	30
	INCH	50	65	80	100	150	200	250	300	350	400	450	500	600	750
A	INCH	11.50	13.00	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	47.00	55.00	59.00
	mm	292.1	330.2	355.6	431.8	558.8	660.5	787.4	838.2	889.0	990.6	1092.2	1193.8	1397.0	1498.6
A1	INCH	11.50	13.00	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	47.00	55.00	59.00
	mm	292.1	330.2	355.6	431.8	558.8	660.5	787.4	838.2	889.0	990.6	1092.2	1193.8	1397.0	1498.6
A2	INCH	12.12	13.12	14.12	17.12	22.12	26.12	31.12	33.12	35.12	39.12	43.12	47.25	55.38	59.50
	mm	307.8	333.2	358.6	434.8	561.8	663.4	790.4	841.2	892.1	993.6	1095.2	1200.2	1406.7	1511.3
ØB	INCH	2.00	2.50	3.00	4.00	6.00	7.87	9.75	11.75	12.87	14.75	16.50	18.25	22.00	27.37
	mm	51	64	76	102	152	200	248	299	327	375	419	464	559	695
C	INCH	11.9	14.1	14.1	18.2	22.6	27.0	31.3	36.5	38.7	42.1	48.4	53.0	61.9	68.8
	mm	301	359	359	463	575	687	795	928	984	1069	1230	1347	1572	1747
RTJ Groove Number	RTJ Groove Number	23	26	30	37	45	49	53	57	61	65	69	73	77	95
	INCH	3.250	4.000	4.625	5.875	8.312	10.625	12.750	15.000	16.500	18.500	21.000	23.000	27.250	33.750
ØD	INCH	82.55	101.60	117.28	149.23	211.12	269.88	323.85	381.00	419.10	469.90	533.40	584.20	692.15	857.25
	mm	82.55	101.60	117.28	149.23	211.12	269.88	323.85	381.00	419.10	469.90	533.40	584.20	692.15	857.25

#900	SIZE	2	3	4	6	8	10	12	14	16	18
	INCH	50	80	100	150	200	250	300	350	400	450
A	INCH	14.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.50	48.00
	mm	368.3	381.0	457.2	736.6	736.6	838.2	965.2	1028.7	1130.3	1219.2
A1	INCH	14.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.50	48.00
	mm	368.3	381.0	457.2	736.6	736.6	838.2	965.2	1028.7	1130.3	1219.2
A2	INCH	14.62	15.12	18.12	24.12	29.12	33.12	38.12	40.88	44.88	48.5
	mm	371.3	384.0	460.2	612.6	739.6	841.2	968.2	1039.0	1140.0	1231.9
ØB	INCH	1.87	2.87	3.87	5.75	7.50	9.37	11.12	12.25	14.00	15.75
	mm	57	73	98	146	191	238	282	311	356	400
C	INCH	17.3	15.6	17.3	23.2	28.3	34.6	39.0	43.7	51.6	58.0
	mm	440	395	440	589	719	880	990	1109	1311	1473
RTJ Groove Number	RTJ Groove Number	24	31	37	45	49	53	57	62	66	70
	INCH	3.750	4.875	5.875	8.312	10.625	12.750	15.000	16.500	18.500	21.000
ØD	INCH	95.25	123.83	149.23	211.12	269.88	323.85	381.00	419.10	469.90	533.40
	mm	95.25	123.83	149.23	211.12	269.88	323.85	381.00	419.10	469.90	533.40

BILL OF MATERIALS

PART NAME	A 216-WCB	WCC	A 217-WC6	WC9	A 217-C5	C9	C12	A 352-LCB	LCC
BODY	A 216-WCB	WCC	A 217-WC6	WC9	A 217-C5	C9	C12	A 352-LCB	LCC
SEAT	A 217-CA15		A 217-CA15		A 217-CA15			A 351-CF8	
DISC	A 217-CA15		A 217-CA15		A 217-CA15			A 351-CF8	
GASKET	SS 316+GRAPHITE		SS 316+GRAPHITE		SS 316+GRAPHITE			PTFE	
STUD	A 193-B7		A 193-B16		A 193-B7			A 320-L7	
HEAVY HEX NUT	A 194-2H		A 194-7		A 194-2H			A 194-7	
NPT PLUG	SS 410		SS 410		SS 410			SS 304	
PIN	A 276-410		A 276-410		A 276-410			A 276-304	
RTJ RING	SS 410		SS 410		SS 410			SS 304	

PART NAME	A 351-CF8	CF8M	A 351-CF3	CF3M	A 351-CG8M	CG3M	A 351-CF8C	CN7M
BODY	A 351-CF8	A 351-CF8M	A 351-CF3	CF3M	A 351-CG8M	CG3M	A 351-CF8C	CN7M
SEAT	A 351-CF8	A 351-CF8M	A 351-CF3	CF3M	A 351-CG8M	CG3M	A 351-CF8C	CN7M
DISC	A 351-CF8	A 351-CF8M	A 351-CF3	CF3M	A 351-CG8M	CG3M	A 351-CF8C	CN7M
GASKET	PTFE		PTFE		PTFE		PTFE	
STUD	A 193-B8		A 193-B8		A 193-B8		A 193-B8	A 193-B8M
HEAVY HEX NUT	A 194-8		A 194-8		A 194-8		A 194-8	A 194-8M
NPT PLUG	SS 304	SS 316	SS 304L	316L	SS 317	317L	SS 347	A 20
PIN	A 276-304	A 276-316	A 276-304L	316L	A 276-317	317L	A 276-347	A 20
RTJ RING	SS 304	SS 316	SS 304L	SS 316L	SS 317	SS 317L	SS 347	A 20

PART NAME	A 351-CK3MCuN	CN3MN	A 995-4A	6A	A 494 CZ100	M35-1	A 494 CW12MW	CW6MC
BODY	A 351-CK3MCuN	CN3MN	A 995-4A	6A	A 494 CZ100	M35-1	A 494 CW12MW	CW6MC
SEAT	A 351-CK3MCuN	CN3MN	A 995-4A	6A	A 494 CZ100	M35-1	A 494 CW12MW	CW6MC
DISC	A 351-CK3MCuN	CN3MN	A 995-4A	6A	A 494 CZ100	M35-1	A 494 CW12MW	CW6MC
GASKET	PTFE		PTFE		PTFE		PTFE	
STUD	A 193-B8M		A 193-B8M		A 193-B8M		A 193-B8M	
HEAVY HEX NUT	A 194-8M		A 194-8M		A 194-8M		A 194-8M	
NPT PLUG	S31254	AL6XN	S31803	S32760	UNS N02200	UNS N04400	UNS N10002	UNS N06625
PIN	S31254	AL6XN	S31803	S32760	UNS N02200	UNS N04400	UNS N10002	UNS N06625
RTJ RING	S31254	AL6XN	S31803	S32760	UNS N02200	UNS N04400	UNS N10002	UNS N06625

TECHNICAL DATAS

CLASS 150 CWP						CLASS 150						CLASS 300					
SIZE		WEIGHT		Cv	Kv	SIZE		WEIGHT		Cv	Kv	SIZE		WEIGHT		Cv	Kv
INCH	mm	kgs	lbs	Usgpm	cmph	INCH	mm	kgs	lbs	Usgpm	cmph	INCH	mm	kgs	lbs	Usgpm	cmph
2"	50	13.0	28.6	85.5	73.1	2"	50	22.4	49.4	85.5	73.1	2"	50	18.2	74.1	85.5	73.1
2 1/2"	65	20.8	44.7	132.1	114.3	2 1/2"	65	29.8	66.3	132.1	114.3	2 1/2"	65	50.1	110.5	132.1	114.3
3"	80	25.0	55.0	190.2	164.5	3"	80	34.5	76.7	190.2	164.5	3"	80	53.1	117.0	190.2	164.5
4"	100	32.0	70.4	338.2	292.5	4"	100	59.7	132.6	338.2	292.5	4"	100	98.5	217.1	338.2	292.5
6"	152	51.0	112.2	760.9	658.2	6"	150	128.7	283.1	760.9	658.2	6"	150	180.2	396.0	760.9	658.2
8"	200	79.0	173.8	1352.7	1170.1	8"	200	171.4	380.9	1352.7	1170.1	8"	200	269.5	594.1	1352.7	1170.1
10"	250	128.0	281.6	2113.5	1828.3	10"	250	285.5	634.4	2113.5	1828.3	10"	250	395.1	871.0	2113.5	1828.3
12"	300	164.0	360.8	3043.5	2632.8	12"	300	403.7	897.0	3043.5	2632.8	12"	300	607.4	1339.0	3043.5	2632.8
14"	350	215.0	473.0	3710.6	3209.9	14"	350	481.5	1069.9	3710.6	3209.9	14"	350	734.1	1618.5	3710.6	3209.9
16"	400	278.0	611.6	4915.3	4252.0	16"	400	626.0	1391.0	4915.3	4252.0	16"	400	999.5	2203.5	4915.3	4252.0
18"	450	341.0	720.2	6289.1	5440.4	18"	450	839.5	1865.0	6289.1	5440.4	18"	450	1285.5	2834.0	6289.1	5440.4
20"	500	404.0	888.8	7832.0	6775.1	20"	500	1067.6	2372.5	7832.0	6775.1	20"	500	1561.4	3442.4	7832.0	6775.1
24"	600	470.0	1034.0	11425.0	9883.2	24"	600	1688.9	3753.1	11425.0	9883.2	24"	600	2400.0	5291.0	11425.0	9883.2
30"	750	780.0	1719.1	18082.7	15642.5	30"	750	2802.2	6227.0	18082.7	15642.5	30"	750	3656.0	8060.0	18082.7	15642.5
36"	900	1120.0	2468.5	26262.1	22718.1	36"	900	3975.1	8833.5	26262.1	22718.1	36"	900	6989.4	15408.9	26262.1	22718.1

CLASS 600					
SIZE		WEIGHT		Cv	Kv
INCH	mm	kgs	lbs	Usgpm	cmph
2"	50	40.1	88.4	84.5	73.1
2 1/2"	65	64.9	143.0	132.1	114.3
3"	80	67.8	149.5	190.2	164.5
4"	100	130.9	288.6	338.2	292.5
6"	152	254.7	561.6	760.9	658.2
8"	200	427.5	942.5	1309.1	1132.4
10"	250	610.3	1345.5	2113.5	1828.3
12"	300	866.9	1911.0	2918.0	2524.2
14"	350	1079.1	2379.0	3500.8	3028.4
16"	400	1503.1	3315.0	4598.3	3977.7
18"	450	2105.1	4641.0	5754.1	4977.6
20"	500	2833.4	6246.0	7039.4	6089.5
24"	600	4239.7	9347.0	10229.5	8849.1
30"	750	4083.5	9002.5	15832.9	13696.3

NOTE : Values are at Ideal / Theoretical condition.

CLASS 900					
SIZE		WEIGHT		Cv	Kv
INCH	mm	kgs	lbs	Usgpm	cmph
3"	80	104.4	230.1	174.1	150.6
4"	100	161.0	354.9	316.5	273.8
6"	150	356.2	785.2	696.8	604.5
8"	200	619.2	1365.0	1188.9	1028.4
10"	250	1043.7	2301.0	1855.6	1605.2
12"	300	1424.1	3139.5	2613.5	2260.8
14"	350	1312.0	2892.5	3171.6	2743.6
16"	400	1480.0	3263.0	4142.5	3583.5
18"	450	1531.0	4387.5	5242.9	4535.4

CLASS 1500					
SIZE		WEIGHT		Cv	Kv
INCH	mm	kgs	lbs	Usgpm	cmph
2"	50	105.0	231.4	73.9	63.9
3"	80	132.7	292.5	159.8	138.2
4"	100	253.6	559.0	277.0	239.6
6"	150	566.1	1248.0	609.5	527.2
8"	200	1002.4	2210.0	1035.6	895.9
10"	250	1385.7	3055.0	1618.2	1399.8

