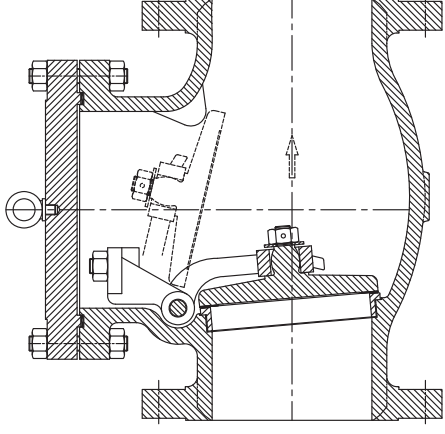


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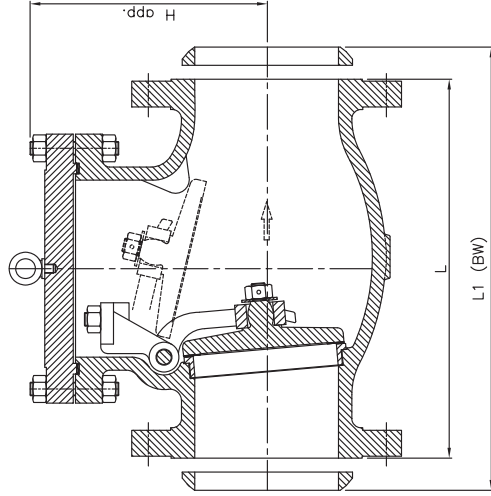
SWING CHECK VALVE



MATERIAL SPECIFICATION

PART NAME	MATERIAL	MATERIAL	MATERIAL
BODY	A 216 WCB CA15/13% Cr FACING ON WCB	A 217 WC6 WC6+13% Cr.	A 351 CF8 A 351 CF8M
DISC	CA15/A 515 70+ 13%Cr. FACING	SS 304	A 351 CF8 T304
SEAT RING 1	A 216 WCB	A 217 WC6	T316
TOP COVER	A 193 B7/A 194 2H A 193 B16/A 194 Gr-7	A 193 B8/A 194 B	A 351 CF8 A 193 B8/A 194 Gr-8
STUD & NUT	A 193 B8/A 194 B	A 193 B8/A 194 B	A 193 B8/A 194 Gr-8
BRACKET STUD & NUT	SPW SS 304/316 WITH GRAFOIL	SPW SS 304/316 WITH GRAFOIL	SPW SS 304/316 WITH GRAFOIL
GASKET	T410	T304	T304
WASHER	A 194 Gr-8	A 194 Gr-8	A 194 Gr-8
DISC NUT	T410	T304	T304
HINGE PIN	T410	T304	T304
SPLIT PIN	ALUMINIUM/S.S.	ALUMINIUM/S.S.	ALUMINIUM/S.S.
NAME PLATE	ALUMINIUM/S.S.	ALUMINIUM/S.S.	ALUMINIUM/S.S.
HINGE	A 216 WCB	A 217 WC6	A 351 CF8 A 351 CF8M
HINGE BRACKET	A 216 WCB	A 217 WC6	A 351 CF8 A 351 CF8M
LIFTING EYE BOLT 2	ASTM A 105	ASTM A 105	ASTM A 105

1- SEAL WELD 3"NB AND ABOVE
2- LIFTING EYE BOLT 8"/6"NB AND ABOVE
3- DISC & SEAT STELLING OPTIONAL
4- DRAIN PLUG OPTIONAL
5- DASHPOT ARRANGEMENT OPTIONAL



DIMENSION TABLE 150 CLASS

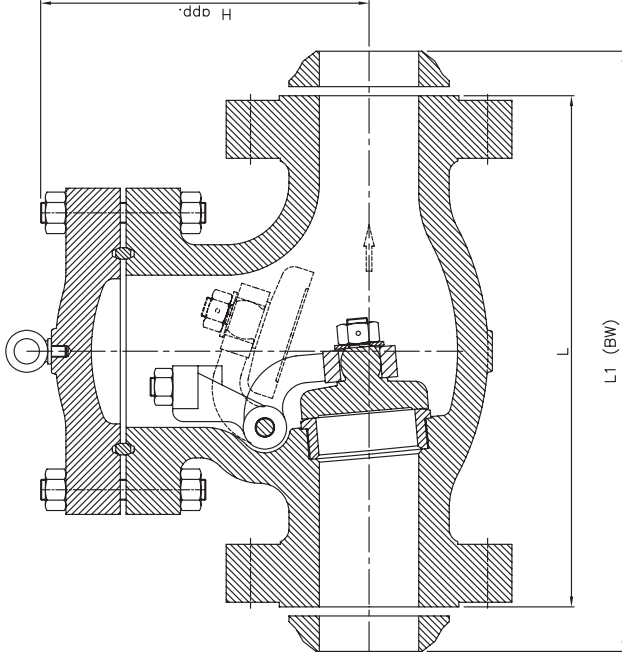
VALVE SIZE in	2	2.5	3	4	5	6	8	10	12	14	16	18	20	22	24	26	28	30	32	36
VALVE SIZE mm	50	65	80	100	125	150	200	250	300	350	400	450	500	550	600	650	700	750	800	900
L	80	8.5	9.5	11.5	13	14.0	19.5	24.5	27.5	31.0	34.0	38.5	38.5	42.0	51.0	51.0	57.0	60.0	77.0	195.6
L1	80	8.5	9.5	11.5	13	14.0	19.5	24.5	27.5	31.0	34.0	38.5	38.5	42.0	51.0	51.0	57.0	60.0	77.0	195.6
H app	203	216	241	292	330	356	495	622	698	787	864	978	1067	1295	1295	1448	1524	1524	1956	900
Wt. kg app(F/E)	145	165	170	205	225	255	300	340	485	465	595	545	600	695	750	775	800	825	—	—

DIMENSION TABLE 300 CLASS

VALVE SIZE in	2	2.5	3	4	5	6	8	10	12	14	16	18	20	22	24	26	28	30	36
VALVE SIZE mm	50	65	80	100	125	150	200	250	300	350	400	450	500	550	600	650	700	750	900
L	10.5	11.5	12.5	14.0	15.7	17.5	21.0	24.5	28.0	33.0	34.0	38.5	40.0	44.0	53.0	53.0	59.0	62.7	82.0
L1	10.5	11.5	12.5	14.0	15.7	17.5	21.0	24.5	28.0	33.0	34.0	38.5	40.0	44.0	52.9	52.9	59.0	62.7	82.0
H app	267	292	318	356	400	444	533	622	711	838	864	978	1016	1118	1346	1346	1499	1594	2083
Wt. kg app(F/E)	25	40	60	80	105	130	215	345	470	685	998	1030	1220	—	—	—	—	—	—

DIMENSION TABLE 600 CLASS

VALVE SIZE in	2	2.5	3	4	5	6	8	10	12	14	16	18	20	22	24	26	28	30	36
VALVE SIZE mm	50	65	80	100	125	150	200	250	300	350	400	450	500	550	600	650	700	750	900
L	11.5	13.0	14.0	17.0	20.0	22.0	26.0	31.0	33.0	35.0	39.0	43.0	47.0	50.9	55.0	57.0	63.0	65.0	82.0
L1	292	330	356	432	508	559	660	787	838	889	991	1092	1194	1295	1397	1448	1600	1651	2083
H app	160	260	230	280	290	330	360	475	555	580	665	420	450	475	480	—	—	—	—
Wt. kg app(F/E)	29	55	65	115	145	250	405	620	815	970	1215	1750	2360	—	3820	—	—	—	—



DIMENSION TABLE 900 CLASS

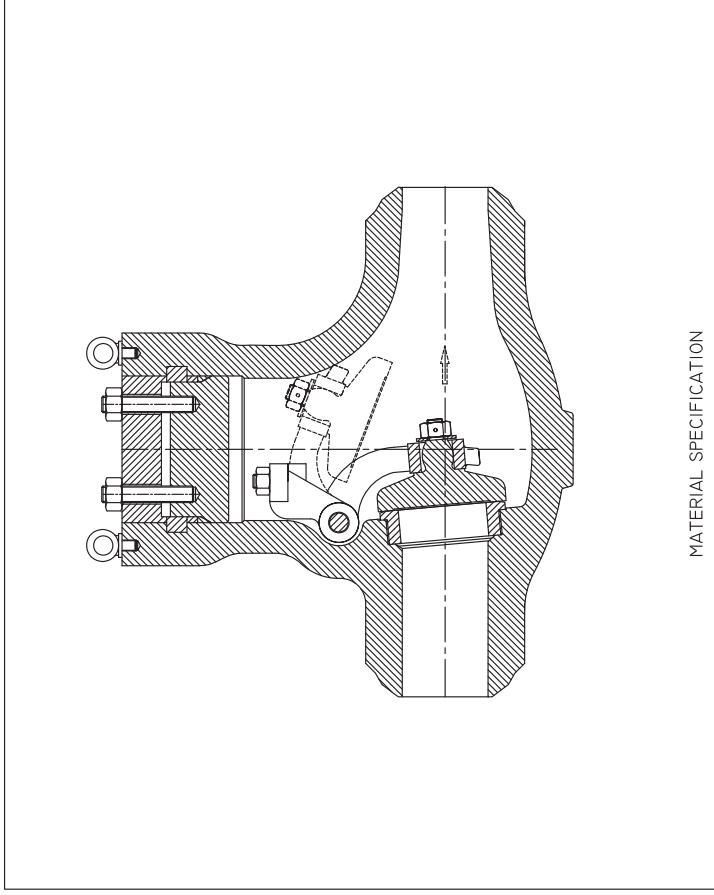
VALVE SIZE in	2	3	4	6	8	10	12	14	16	18	20	22	24
VALVE SIZE mm	50	80	100	150	200	250	300	350	400	450	500	550	600
L	14.5	15.0	18.0	24.0	29.0	33.0	38.0	40.5	44.5	47.9	52.0	60.9	154.9
L1	14.5	15.0	18.0	24.0	29.0	33.0	38.0	40.5	44.5	47.9	52.0	60.9	154.9
H app	368	381	457	610	737	838	965	1029	1130	1219	1321	—	—

DIMENSION TABLE 1500 CLASS

VALVE SIZE in	2	3	4	6	8	10	12	14	16	18	20	22	24
VALVE SIZE mm	50	80	100	150	200	250	300	350	400	450	500	550	600
L	14.5	18.5	21.5	27.7	32.7	39.0	44.5	49.4	54.4	60.5	65.5	76.4	194.3
L1	14.5	18.5	21.5	27.7	32.7	39.0	44.5	49.4	54.4	60.5	65.5	76.4	194.3
H app	368	470	546	705	832	991	1130	1257	1384	1537	1664	—	—

DIMENSION TABLE 2500 CLASS

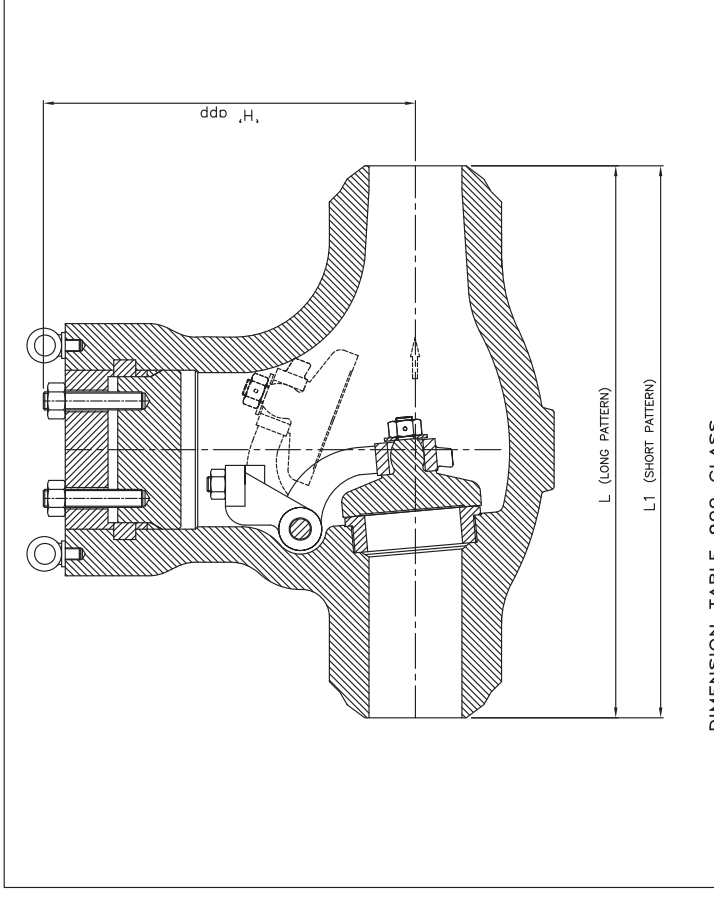
VALVE SIZE in	2	3	4	6	8	10	12	14	16
VALVE SIZE mm	50	80	100	150	200	250	300	350	400
L	17.7	22.7	26.5	36.0	40.2	50.0	55.9	—	—
L1	17.7	22.7	26.5	36.0	40.2	50.0	55.9	—	—
H app	451	578	673	914	1022	1270	1422	—	—



MATERIAL SPECIFICATION

PART NAME	MATERIAL		MATERIAL	
	MATERIAL	MATERIAL	MATERIAL	MATERIAL
BODY	A 216 WCB CA15/13% Cr FACET MACHINED	A 217 WC6	A 351 CF8	A 351 CF8M
DISC	WC6+STELLITED	WC6+STELLITED	A 351 CF8+STELLITED	A 351 CF8M+STELLITED
SEAT RING 1	A 515-70/ 13%Cr.+STELLITED	SS 304+STELLITED	T304+STELLITED	T316+STELLITED
TOP COVER	A 216 WCB	A 217 WC6	A 351 CF8	A 351 CF8M
INNER PLATE	A 216 WCB/A 515 70	A 217 WC6	SS 304	
STUD & NUT	A 193 B7/A 194 2H / A 193 B16/A 194 Gr.7	A 193 B8/A 194 Gr.8	A 193 B8/A 194 Gr.8	A 193 B8/A 194 Gr.8
BRACKET STUD & NUT	A 193 B8/A 194 Gr.8	A 193 B8/A 194 Gr.8	A 193 B8/A 194 Gr.8	A 193 B8/A 194 Gr.8
SEAL RING	T304	T304	T304	T316
SPACER RING	A 515 70	T304	T304	T316
SEGMENTAL RING	A 515 70	T304	T304	T316
WASHER	SS 304	T304	T304	T316
DISC NUT	A 194 Gr.8	A 194 Gr.8	A 194 Gr.8	A 194 Gr.8
HINGE PIN	T410	T304	T304	T316
SPLIT PIN	T304	T304	T304	T316
NAME PLATE	ALUMINIUM/S.S.	ALUMINIUM/S.S.	ALUMINIUM/S.S.	ALUMINIUM/S.S.
HINGE	A 216 WCB	A 217 WC6	A 351 CF8	A 351 CF8M
HINGE BRACKET	A 216 WCB	A 217 WC6	A 351 CF8	A 351 CF8M
LIFTING EYE BOLT 2	ASTM A 105	ASTM A 105	ASTM A 105	ASTM A 105

1- SEAL WELD
2- LIFTING EYE BOLT 4"NB AND ABOVE
3- DASHDOT ARRANGEMENT OPTIONAL



DIMENSION TABLE 900 CLASS

VALVE SIZE in mm	2	3	4	6	8	10	12	14	16	18	20	22	24
L	14.5	15.0	18.0	24.0	29.0	33.0	38.0	40.5	44.5	—	—	—	—
L1	368	381	457	610	737	838	965	1029	1130	—	—	—	—
H app	216	305	356	508	660	767	914	991	1092	—	—	—	—

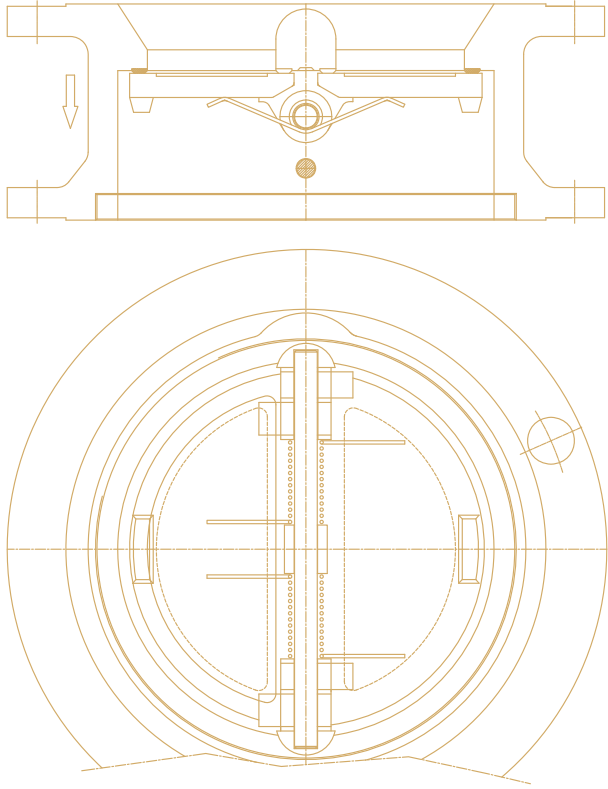
DIMENSION TABLE 1500 CLASS

VALVE SIZE in mm	2	3	4	6	8	10	12	14	16	18	20	22	24
L	14.5	18.5	21.5	27.7	32.7	39.0	44.5	—	—	—	—	—	—
L1	368	470	546	705	832	991	1130	—	—	—	—	—	—
H app	216	305	406	559	711	864	991	1067	1194	—	—	—	—

DIMENSION TABLE 2500 CLASS

VALVE SIZE in mm	2	3	4	6	8	10	12	14	16
L	17.7	22.7	26.5	36.0	40.2	50.0	—	—	—
L1	451	578	673	914	1022	1270	—	—	—
H app	279	368	457	610	762	914	1041	—	—

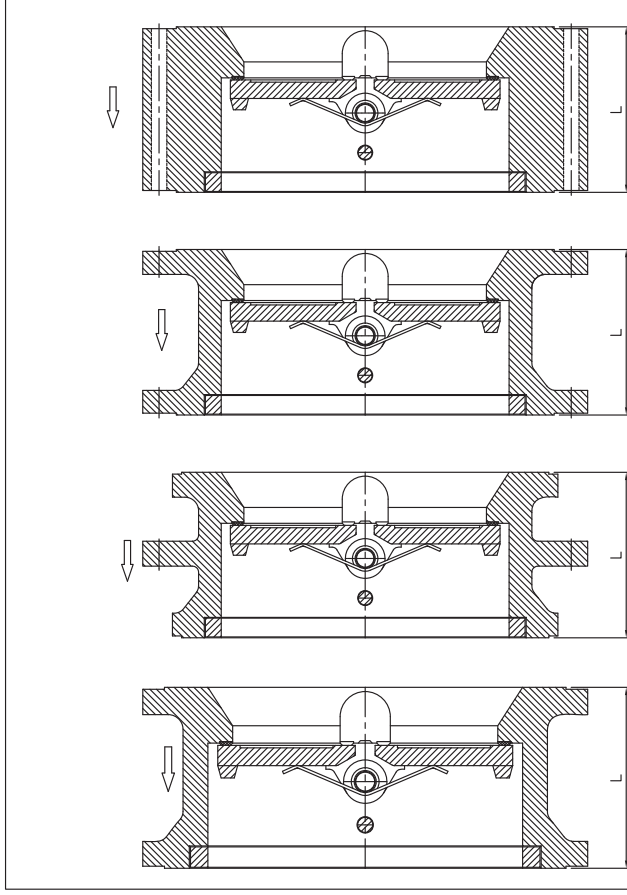
DUAL PLATE CHECK VALVE CLASS 150, 300, 600.
API 594



05

DUAL PLATE CHECK VALVE

PART NAME	MATERIAL SPECIFICATION				MATERIAL
	WAFFER TYPE	WAFFER LUG TYPE	DOUBLE FLANGE	SOLID LUG	
BODY	A 216 WCB	A 217 WC6	A 351 CF8	A 351 CF8	A 351 CF8M
PLATE	A 216 WCB+13%Cr.	A 217 WC6+13%Cr.	A 351 CF8	A 351 CF8	A 351 CF8M
SEAT	A 216 WCB+13%Cr.	A 217 WC6+13%Cr.	A 351 CF8	A 351 CF8	A 351 CF8M
DISC BEARING	T410	T410	T304	T316	T316
SPACER BUSH	T410	T410	T304	T316	T316
SPRING BEARING	T410	T410	T304	T316	T316
BODY BEARING	T410	T410	T304	T316	T316
HINGE PIN	T304	T304	T304	T316	T316
STOPPER PIN	T304	T304	T304	T316	T316
LIFTING HOOK	ASTM A 105				
CARRIER PLATE	T410	T410	T304	T316	T316
LOCKING RING	ASTM A 515 Gr.70	SS304	SS304	SS316	SS316
SPRING	INCONEL				
1- SEAT INTEGRAL					



WAFFER TYPE

WAFFER LUG TYPE

DOUBLE FLANGE

SOLID LUG

DIMENSION TABLE 150 CLASS

VALVE SIZE in	2	2.5	3	4	6	8	10	12	14	16	18	20	24	30	36	42	48	54	60
VALVE SIZE mm	50	65	80	100	150	200	250	300	350	400	450	500	600	750	900	1050	1200	1350	1500
L	2.38	2.62	2.88	3.88	5.0	5.75	7.12	7.25	7.50	8.0	8.62	8.75	12.0	14.5	17.0	20.6	*	*	*
L	60	67	73	73	98	127	146	181	184	191	203	219	222	305	368	432	524	*	*

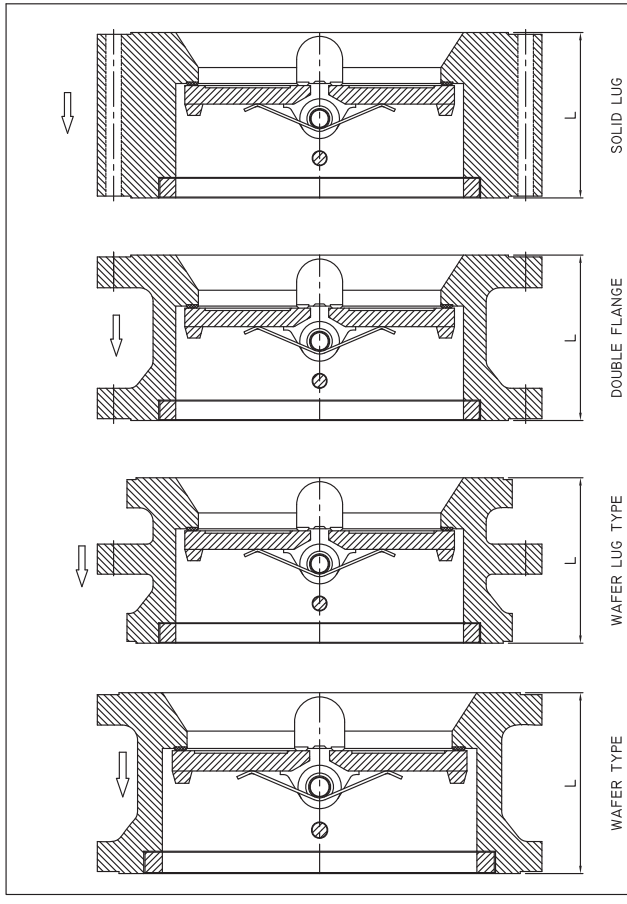
DIMENSION TABLE 300 CLASS

VALVE SIZE in	2	2.5	3	4	6	8	10	12	14	16	18	20	24	30	36	42	48	54	60
VALVE SIZE mm	50	65	80	100	150	200	250	300	350	400	450	500	600	750	900	1050	1200	1350	1500
L	2.38	2.62	2.88	3.12	5.38	6.5	8.38	9.0	10.75	12.0	14.25	14.5	17.25	19.88	25.0	27.5	*	*	*
L	60	67	73	79	136	165	213	229	273	305	362	368	438	505	635	701	—	—	—

DIMENSION TABLE 600 CLASS

VALVE SIZE in	2	2.5	3	4	6	8	10	12	14	16	18	20	24	30	36	42	48	54	60
VALVE SIZE mm	50	65	80	100	150	200	250	300	350	400	450	500	600	750	900	1050	1200	1350	1500
L	2.38	2.62	2.88	3.12	5.38	6.5	8.38	9.0	10.75	12.0	14.25	14.5	17.25	19.88	25.0	27.5	—	—	—
L	60	67	73	79	136	165	213	229	273	305	362	368	438	505	635	701	—	—	—

* DIMENSIONAL INFORMATION TO BE AGREED BETWEEN PURCHASER AND MANUFACTURER.



WAFFER TYPE

WAFFER LUG TYPE

DOUBLE FLANGE

SOLID LUG

DIMENSION TABLE 900 CLASS

VALVE SIZE in	2	2.5	3	4	6	8	10	12	14	16	18	20	24
VALVE SIZE mm	50	65	80	100	150	200	250	300	350	400	450	500	600
L	2.75	3.25	3.25	4.0	6.25	8.12	9.5	11.5	14.0	15.12	17.75	17.75	19.5
L	70	83	83	102	159	206	241	292	356	364	451	451	495

DIMENSION TABLE 1500 CLASS

VALVE SIZE in	2	2.5	3	4	6	8	10	12	14	16	18	20	24
VALVE SIZE mm	50	65	80	100	150	200	250	300	350	400	450	500	600
L	2.75	3.25	3.25	4.0	6.25	8.12	9.75	12.0	14.0	15.12	18.44	21.0	22.0
L	70	83	83	102	159	206	248	305	356	364	468	533	559

DIMENSION TABLE 2500 CLASS

VALVE SIZE in	2	2.5	3	4	6	8	10	12	14	16
VALVE SIZE mm	50	65	80	100	150	200	250	300	350	400
L	2.75	3.25	3.38	4.12	6.25	8.12	10.0	12.0	—	—
L	70	83	86	105	159	206	254	305	—	—

* DIMENSIONAL INFORMATION TO BE AGREED BETWEEN PURCHASER AND MANUFACTURER.