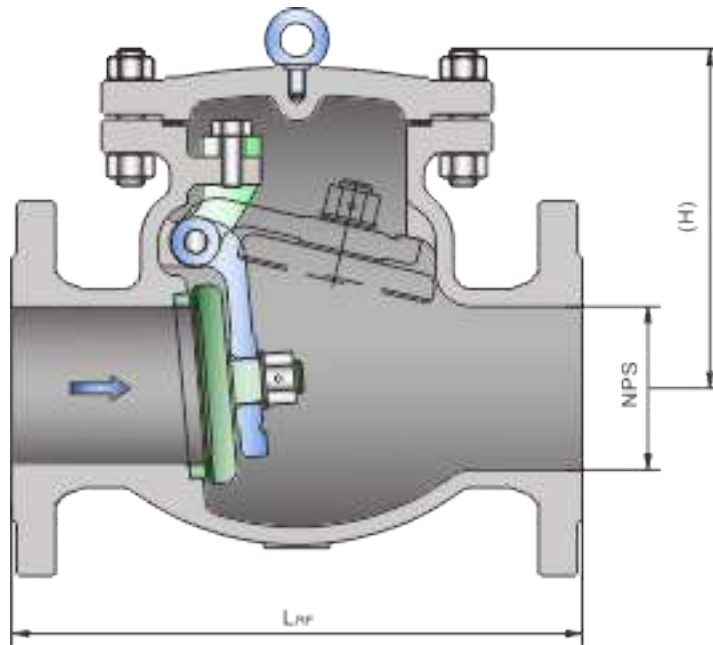
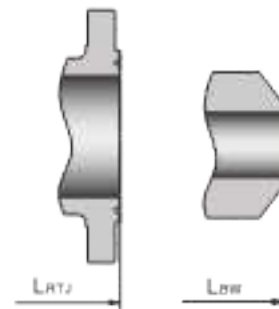


## CASTING CHECK VALVE



### Design Features

- Bolt Bonnet: to apply uniform load to the gasket
- Swing Type
- Non-Penetrating Disc Shaft Valve Disc Fully Open
- Horizontal or Vertical Service
- Seat Surface Can Be Hardened
- To Increase Wear Resistance
- Flanged or Butt Weld End



### SPECIFICATION

Design & MFG.	API 6D, BS 1868	Press-Temp Rat.	ASME B16.34
Face To Face(Flange & Butt Weld)	ASME B16.10	Flange Design	ASME B16.5
Butt Weld Design	ASME B16.25	Materials	ASTM STANDARD

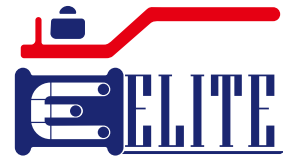
### Material List

PART	STANDARD MATERIALS					
BODY	ASTM A216 WCB	ASTM A352 LCB	ASTM A351 CF8(CF3)	ASTM A351 CF8M(CF3M)	ASTM A995 4A	ASTM A217 WC6
SEAT	ASTM A105+STL	ASTM A352 LCB+STL	ASTM A351 CF8(CF3)	ASTM A351 CF8M(CF3M)	ASTM A995 4A	ASTM A217 WC6+STL
DISC	ASTM A216 WCB+13Cr	ASTM A352 LCB+13Cr	ASTM A351 CF8(CF3)	ASTM A351 CF8M(CF3M)	ASTM A995 4A	ASTM A217 WC6+STL
HINGE	ASTM A216 WCB	ASTM A352 LCB	ASTM A351 CF8(CF3)	ASTM A351 CF8M(CF3M)	ASTM A995 4A	ASTM A217 WC6
FORK	ASTM A216 WCB	ASTM A352 LCB	ASTM A351 CF8(CF3)	ASTM A351 CF8M(CF3M)	ASTM A995 4A	ASTM A217 WC6
GASKET	Reinforced Flat Graphite. or SS Spiral Wound W/Graphite or PTFE, or Reinforced PTFE					
BONNET	ASTM A216 WCB	ASTM A352 LCB	ASTM A351 CF8(CF3)	ASTM A351 CF8M(CF3M)	ASTM A995 4A	ASTM A217 WC6
BOLT	ASTM A193 B7	ASTM A320 L7	ASTM A193 B8(M)	ASTM A193 B8(M)	ASTM A193 B8(M)	ASTM A193 B16
NUT	ASTM A194 2H	ASTM A194 7	ASTM A194 8(M)	ASTM A194 8(M)	ASTM A194 8(M)	ASTM A194 4

The material is according to ASTM Standard.

Model Denote:EFC=Elite Flow Control | 02=Size in inch | CK=CHECK Valve | 1=150Lb

MODEL NO.:EFC-02CK1  
Size:2" ~ 24"(DN50 ~ DN600)



## CASTING CHECK VALVE

### ASME CLASS 150 Dimensions

NPS DN	in mm	2 51	2 1/2 64	3 76	4 102	5 127	6 152	8 203	10 254	12 305	14 337	16 387	18 438	20 489	24 591
L (RF-BW)	in	8.00	8.50	9.50	11.50	13.00	14.00	19.50	24.50	27.50	31.00	34.00	38.50	38.50	51.00
	mm	203	216	241	292	330	356	495	622	698	787	864	978	978	1295
L <sub>RTJ</sub>	in	8.50	9.00	10.00	12.00	13.50	14.50	20.00	25.00	28.00	31.50	34.50	39.00	39.00	51.50
	mm	216	229	254	305	343	369	508	635	711	800	877	991	991	1308
H	in	5.31	6.10	6.61	9.37	9.80	10.91	13.35	15.67	20.67	21.77	22.99	26.30	28.03	29.13
	mm	135	155	168	235	249	277	339	398	525	553	584	688	712	740
WT (Kg)	RF/RTJ	17	21	29	42	69	74	108	177	282	372	570	665	900	1359
	BW	13	17	24	36	57	62	96	158	238	324	483	548	782	1150

### ASME CLASS 300 Dimensions

NPS DN	in mm	2 51	2 1/2 64	3 76	4 102	5 127	6 152	8 203	10 254	12 305	14 337	16 337	18 432	20 483	24 584
L (RF-BW)	in	10.50	11.50	12.50	14.00	15.75	17.50	21.00	24.50	28.00	33.00	34.00	38.50	40.00	53.00
	mm	267	292	318	356	400	444	533	622	711	838	864	978	1016	1346
L <sub>RTJ</sub>	in	11.12	12.12	13.12	14.62	16.37	18.12	21.62	25.12	28.62	33.62	34.62	39.12	40.75	53.88
	mm	283	308	333	372	416	460	549	638	727	854	880	994	1035	1368
H	in	6.22	6.57	7.40	10.20	11.06	12.56	15.79	19.02	21.85	23.03	24.13	25.31	26.81	27.95
	mm	158	167	188	259	281	319	401	483	555	585	613	643	681	710
WT (Kg)	RF/RTJ	21	32	43	61	84	131	213	384	449	680	680	1025	1320	1960
	BW	16	24	35	44	61	105	167	272	375	560	560	828	1070	1586

### ASME CLASS 600 Dimensions

NPS DN	in mm	2 51	2 1/2 64	3 76	4 102	6 152	8 200	10 248	12 298	14 327	16 375	18 419	20 464	24 559
L (RF-BW)	in	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
	mm	292	330	356	432	559	660	787	838	889	991	1092	1194	1397
L <sub>RTJ</sub>	in	11.62	13.12	14.12	17.12	22.12	26.13	31.12	33.12	35.12	39.12	43.12	47.25	55.38
	mm	295	333	356	435	562	663	790	841	892	994	1095	1200	1407
H	in	7.76	8.15	9.09	11.06	14.25	17.20	19.39	20.79	22.52	25.98	28.35	29.37	37.80
	mm	197	207	231	281	362	437	490	528	572	660	720	746	960
WT (Kg)	RF/RTJ	36	49	68	111	230	416	673	875	944	1220	1620	2120	3100
	BW	28	40	57	83	191	361	543	770	773	1015	1350	1750	2520

### ASME CLASS 900 Dimensions

NPS DN	in mm	2 47	2 1/2 57	3 73	4 98	6 146	8 190	10 238	12 282	14 311	16 356	18 400	20 445	24 534
L (RF-BW)	in	14.50	16.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.50	48.00	52.00	61.0
	mm	368	419	381	457	610	737	838	965	1029	1130	1219	1321	1549
L <sub>RTJ</sub>	in	14.62	16.62	15.12	18.12	24.12	29.12	33.12	38.12	40.88	44.88	48.5	52.5	61.75
	mm	371	422	384	460	613	740	841	968	1039	1140	1232	1334	1568
H	in	8.45	10.24	10.24	12.60	15.04	20.87	22.05	23.23	24.80	27.56	33.00	36.70	39.56
	mm	240	260	260	320	382	530	560	590	630	700	838	932	1005
WT (Kg)	RF/RTJ	69	93	91	145	259	565	900	1200	1500	2130	3150	4260	5530
	BW	52	74	70	112	218	448	733	975	1240	1760	2810	3730	4940

### ASME CLASS 1500 Dimensions

NPS DN	in mm	2 47	2 1/2 57	3 70	4 92	6 136	8 178	10 222	12 263	14 289	16 330	18 371	20 416	24 498
L (RF-BW)	in	14.50	16.50	18.50	21.50	27.75	32.75	39.00	44.50	49.5	54.5	60.5	65.5	76.5
	mm	368	419	470	546	705	832	991	1130	1257	1384	1537	1664	1943
L <sub>RTJ</sub>	in	14.62	16.62	18.62	21.62	28.00	33.13	39.38	45.12	50.25	55.38	61.38	66.38	77.62
	mm	371	422	473	549	711	842	1001	1146	1276	1406	1559	1686	1971
H	in	12.20	12.20	12.99	13.98	15.75	20.87	22.05	25.59	37.4	40.1	45.2	50.6	60.6
	mm	310	310	330	355	400	530	560	650	950	1020	1147	1284	1539
WT (Kg)	RF/RTJ	69	93	140	232	490	990	1490	1970	3060	4500	6200	8150	9800
	BW	49	74	111	185	375	803	1250	1625	2290	3550	5350	7660	8650

The material is according to ASTM Standard.

Model Denote:EFC=Elite Flow Control | 02=Size in inch | CK=CHECK Valve | 1=150Lb