

Forged Check Valves

DN15-DN50
CL150-CL1500



List of Materials

List of materials											
Item	Part	Material Group acc. to ASME B16.34									
		Application									
		-46°C/+425°C	-46°C/+425°C	-29°C/+595°C	-29°C/+595°C	-29°C/+600°C	-29°C/+600°C	-196°C/+550°C	-196°C/+550°C	-196°C/+540°C	-196°C/+540°C
1	Body	A105	A350 LF2	A182 F12	A182 F22	A182 F5	A182 F91	A182 F304	A182 F316	A182 F321	A182 F347
2	Cover	A105	A350 LF2	A182 F12	A182 F22	A182 F5	A182 F91	A182 F304	A182 F316	A182 F321	A182 F347
3	Disc	SS420 / SS431 (or Stellite overlay)						SS304 / SS316 (or Stellite overlay)			
4	Seat	SS420 / SS431 (or Stellite overlay)						SS304 / SS316 (or Stellite overlay)			
5	Spring	45CrMoV6-7						AISI 316			
6	Stud Bolts	A193 B7		A193 B16 / 1.7709				A193 B8 / A193 B8M			
7	Nuts	A193 B7		A193 B16 / 1.7709				A194 8 / A194 8M			
8	Cover Gasket	spiral - wound									

Standarts

Check Valves according to ASME B16.34	CL150 - CL1500
Socket Welding end SW	ASME B16.11
Butt Welding end BW	ASME B16.25
Threaded end NPT	ASME B1.20.1
Face-to-face (FTF) / End-to-end (ETE)	ASME B16.10 and Manufacturer standard
Flanged ends	ASME B16.5

Dimensions CL150

DN		15	20	25	32	40	50
[mm]	L	152	117	127	140	165	203
	D	95	99	108	117	127	152
	Dk	60,7	69,9	79,4	88,9	98,4	120,7
	b	12	13	15	16	18	20
	nxd	4x15,9	4x15,9	4x15,9	4x15,9	4x15,9	4x19,0

Dimensions CL300

DN		15	20	25	32	40	50
[mm]	L	152	178	203	216	229	267
	D	95	117	124	133	155	165
	Dk	66,7	82,6	88,9	98,4	114,3	127
	b	15	16	18	20	21	23
	nxd	4x15,9	4x15,9	4x19,0	4x19,0	4x22,2	8x19,0

Dimensions CL600

DN		15	20	25	32	40	50
[mm]	L	165	190	216	229	241	292
	D	95	117	124	133	155	165
	Dk	66,7	82,6	88,9	98,4	114,3	127
	b	21	23	25	28	29	32
	nxd	4x15,9	4x19,0	4x19,0	4x19,0	4x22,2	8x19,0

Dimensions CL1500

DN		15	20	25	32	40	50
[mm]	L	216	229	254	279	305	368
	D	121	130	149	159	178	215
	Dk	82,6	88,9	101,6	111,1	123,8	165,1
	b	29	32	35	35	39	45,1
	nxd	4x22,2	4x22,2	4x25,4	4x25,4	4x28,6	8x25,4