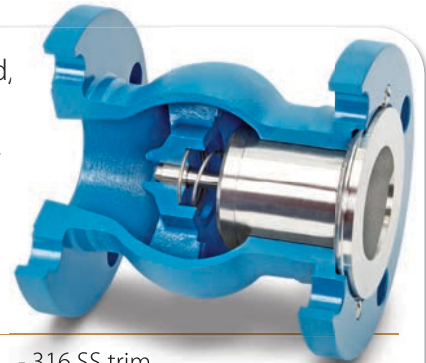
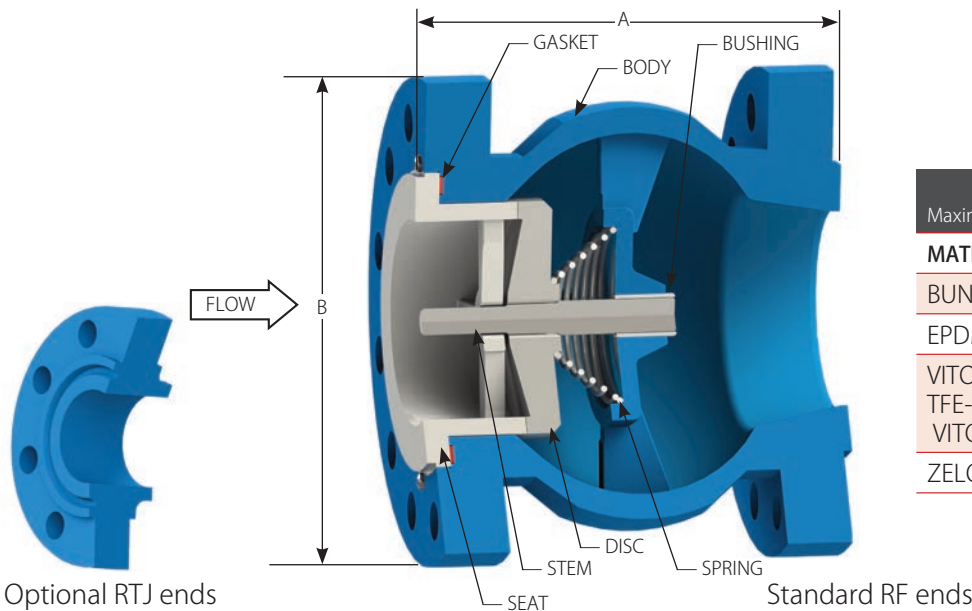


The **DFT® Model GLC Silent Check Valve** is a spring-assisted, center-guided, non-slam, flanged check valve that provides reliable, low-maintenance service for a wide range of fluids and pressure/ temperature combinations. The valve consists of a body, seat, spring, disc with stem, guide bushing and gasket. The DFT GLC check valve has the advantage of minimum pressure loss with silent operation.



FEATURES:

- "Short" Face-to-Face dimensions
- API 6FD Fire Test
 - ASME Class 150 and 300
- Meets API 6D
- Standard body materials:
 - A216 Grade WCB carbon steel
 - A351 CF8M stainless steel
- Optional body materials:
 - Alloy 20
 - Duplex SS
 - Hastelloy®
 - Monel®
- Nickel-Aluminum Bronze (See page 45)
- One-piece body
- Spring-assisted silent closing, non-slam
- Center-guided
- Dual-guided stem
- Horizontal or vertical installation
- Protected spring
- Easy maintenance
- Versatile
- ASME Class 150 To 2500 (See chart)
- 1" to 42" Line size
- 316 SS trim
- RF Flanged ends
- MSS-SP61 seat leakage
- Axial flow
- Nozzle style
- OPTIONS:
 - Inconel® X-750 Spring
 - Soft seat (for bubble-tight shutoff)
 - Custom sizing low flow
 - Severe service trim
 - Stellite® trim
 - RTJ Ends (3)
 - NACE (Page 47)



SOFT SEAT	
Maximum operating temperatures of materials	
MATERIALS	MAX. TEMP. (°F)
BUNA-N	-70 to 250
EPDM	-75 to 300
VITON® & TFE-Encapsulated VITON®	-40 to 400
ZELON®	37 to 470

MATERIALS OF CONSTRUCTION

COMPONENT	CARBON STEEL BODY	STAINLESS STEEL BODY
Body	A216 WCB	A351 CF8M
Disc/Stem Assembly	A351 CF8M/A479 316	A351 CF8M/A479 316
Seat	A351 CF8M	A351 CF8M
Spring (1)	A313 316	A313 316
Bushing	A479 316	A479 316
Gasket (2)	CFG/316 SS/Graphite	

Consult pages 48 and 49 for Pressure/Temperature ratings and soft seat materials.

	Class	150 RF	300 RF	600 RF	900 RF	1500 RF	2500 RF
1"	A	4.50	4.75	5.25	6.38	6.38	*
	B	4.25	4.88	4.88	5.88	5.88	
	Weight	6.2	8.2	10.2	20	20	
	Cv	19	19	17	17	17	14
	CP	0.85	0.85	0.85	0.50	0.50	0.50
1 1/2"	A	5.75	6	6.63	7.38	7.38	*
	B	5	6.12	6.12	7	7	
	Weight	13	16.2	19	30	30	
	Cv	35	35	35	26	26	
	CP	0.29	0.29	0.29	0.64	0.40	
2"	A	6.25	6.50	7.25	8.25	8.25	9.25
	B	6	6.50	6.50	8.50	8.50	9.25
	Weight	17	23	25	56	56	77
	Cv	63	63	63	46	46	32
	CP	0.29	0.29	0.29	0.32	0.32	0.47
2 1/2"	A	7.00	7.25	*	9	9	*
	B	7.00	7.50		9.63	9.63	
	Weight	31	41		78	78	
	Cv	100	100		81	81	
	CP	0.18	0.18		0.11	0.11	
3"	A	7.50	7.88	8.63	9.13	9.88	14
	B	7.50	8.25	8.25	9.50	10.50	12
	Weight	33	46	57	87	110	211
	Cv	148	148	125	114	114	77
	CP	0.20	0.20	0.41	0.26	0.52	0.43
4"	A	8.50	9.12	10.13	10.62	11.38	15.50
	B	9	10	10.75	11.50	12.25	14
	Weight	51	71.4	115	127	166	332
	Cv	260	267	237	217	192	133
	CP	0.49	0.48	0.54	0.49	0.67	1.15
5"	A	9.50	10.38	*	*	*	*
	B	10	11				
	Weight	72	89				
	Cv	415	415				
	CP	0.28	0.28				
6"	A	10	11	12.38	13	15.13	*
	B	11	12.50	14	15	15.50	
	Weight	91	140	215	271	385	
	Cv	620	620	549	549	441	
	CP	0.41	0.39	0.46	0.46	0.42	

Notes: 1. Inconel® X-750 spring is available.
 2. CFG corrugated flexible graphite (Class 150 & 300), 316 SS/Graphite Spiral Wound (Class 600 & up).
 1" and 1 1/2" does not contain a gasket.
 3. Contact DFT for availability
 * Consult DFT for valve availability.

	Class	150 RF	300 RF	600 RF	900 RF	1500 RF	2500 RF
8"	A	12	13	14.62	15.25	17.50	*
	B	13.5	15	16.50	18.50	19	
	Weight	172	232	332	396	670	
	Cv	1030	933	1115	851	742	650
	CP	0.41	0.45	0.45	0.50	0.55	0.50
10"	A	14	15.38	17.13	17.63	23	*
	B	16	17.50	20	21.50	23	
	Weight	266	348	450	539	1281	
	Cv	1630	1704	1782	1499	1231	
	CP	0.55	0.52	0.35	0.64	0.53	
12"	A	18	19.50	21.25	24	44.50	*
	B	19	20.50	22	24	26.50	
	Weight	387	550	730	1324	2550	
	Cv	2370	2370	2272	2063	1689	
	CP	0.47	0.49	0.41	0.60	0.60	
14"	A	21	23	24	*	*	*
	B	21	23	23.75			
	Weight	456	724	975			
	Cv	3500	3465	3369			
	CP	0.52	0.43	0.43			
16"	A	22.50	24	26	25.81	*	*
	B	23.50	25.5	27	27.75		
	Weight	700	1035	1450	1940		
	Cv	4600	4600	5100	4950		
	CP	0.51	0.59	0.59	0.57		
18"	A	24	24	*	*	*	*
	B	25	30.88				
	Weight	753	1367				
	Cv	*	*				
	CP	0.59	0.59				
20"	A	24	24	30	*	*	*
	B	27.50	30.50	32			
	Weight	1442	1686	2636			
	Cv	*	*	*			
	CP	0.49	0.55	0.59			
24"	A	28	28	29.33	*	*	*
	B	32	36	37			
	Weight	1571	2514	3470			
	Cv	*	*	*			
	CP	0.44	0.46	0.57			
30"	A		36				
	B		43				
	Weight		4570				
	Cv		*				
	CP		0.50				

All dimensions are in inches. Weights are in pounds. For metric measurements, visit www.dft-valves.com. CP: Cracking Pressure (psig)