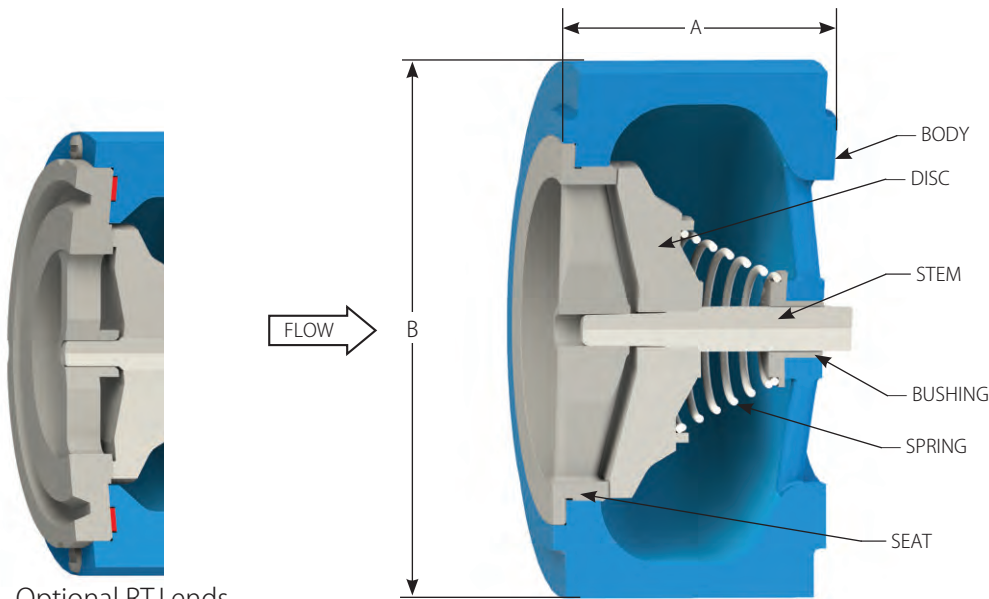


The **DFT® Model WLC Wafer Style Check Valve** is a lightweight, spring-assisted, center-guided, non-slam check valve that provides reliable, low-maintenance service for a wide range of fluids and pressure/ temperature combinations. The joint between the seat ring and body is sealed by the flange gasket upon installation preventing any leakage through the joint when the valve is in service.



FEATURES:

- Wafer design
- Standard body material:
 - A216 Grade WCB carbon steel
 - A351 CF8M stainless steel
- Optional body materials:
 - Alloy 20
 - Hastelloy®
 - Inconel® 625
 - Duplex SS
 - Titanium
- Center-guided/Dual-guided stem
- Horizontal or vertical installation
- Protected spring
- Spring-assisted silent closing
- ASME Class 150 to 1500
 - 1" to 10" Line Size
 - 316 SS trim
 - Ends:
 - Wafer RF
 - Wafer RTJ
 - MSS-SP 61 seat leakage
 - MSS 126 Face-to-Face dimension:
 - Class 150 & 300 RF
 - API 594 Face-to-Face dimension:
 - Class 600 RF
 - Class 900 & 1500 RF
- Axial flow
- Nozzle style
- Lightweight
- Options:
 - Inconel® X-750 spring
 - Soft seat (for bubble-tight shutoff)
 - Custom sizing - low flow
 - Stellite® trim
 - NACE (page 47)
 - Severe Service
 - Tapped lug design available



Optional RTJ ends

Standard RF ends

Consult factory for more details.

MATERIALS OF CONSTRUCTION

COMPONENT	CARBON STEEL BODY	STAINLESS STEEL BODY
Body	A216 Grade WCB	A351 CF8M
Disc/Stem Assembly	A351 CF8M/A479 316	A351 CF8M/A479 316
Seat	A351 CF8M	A351 CF8M
Spring	A313 316	A313 316
Bushing	A479 316	A479 316

SOFT SEAT - Maximum operating temperatures of materials

MATERIALS	BUNA-N	EPDM	VITON® & TFE-Encapsulated VITON®	ZELON®
TEMP. (°F)	-70 to 250	-75 to 300	-40 to 400	37 to 450

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

Class	150 RF	300 RF	600 RF	900 RF	1500 RF	1500 RTJ	2500 RF	2500 RTJ
1" *	A	2	2	2.38	2.38	2.38	2.38	2.38
	B	2.88	2.88	2.88	3.13	3.13	3.13	3.25
	Weight	2	2	2.50	4	4	4	4.75
	Cv	19	19	19	19	19	19	19
	CP	0.36	0.36	0.36	0.44	0.44	0.44	0.44
1 1/2"*	A	2.50	2.50	2.88	2.88	2.88	2.88	**
	B	3.75	3.75	3.75	3.88	3.88	3.88	
	Weight	4	4	6.5	8	8	7	
	Cv	36	36	23	23	23	23	
	CP	0.17	0.17	0.44	0.54	0.54	0.54	
2" *	A	2.63	2.63	2.38	2.75	2.75	3.13	2.81
	B	4.38	4.38	4.38	5.50	5.50	5.50	5.75
	Weight	4	4	5	14	14	14	17
	Cv	57	57	53	48	48	48	35
	CP	0.24	0.24	0.26	0.24	0.24	0.24	0.97
2 1/2"*	A	2.88	2.88		3.63	3.63	3.63	
	B	5.13	5.13		6.40	6.40	6.40	
	Weight	10	10		20	20	20	
	Cv	95	95		70	70	70	
	CP	0.37	0.37		0.18	0.18	0.18	
3" *	A	3.13	3.13	2.88	3.25	3.25	3.25	3.38
	B	5.75	5.75	5.75	6.75	6.75	6.75	7.50
	Weight	12	12	11	21	21	21	33
	Cv	140	140	133	113	113	113	80
	CP	0.19	0.19	0.26	0.19	0.19	0.19	0.56
4" *	A	4	4	3.13	4	4	4.13	4.13
	B	7.09	7.09	7.50	8.19	8.19	8.25	9.13
	Weight	20	20	21	38	38	38	113
	Cv	265	265	234	211	211	211	130
	CP	0.19	0.19	0.49	0.46	0.46	0.46	0.69
5" *	A	4.63	4.63		6.25	6.25		
	B	8.50	8.50		11.25	11.25		
	Weight	35	35		100	100		
	Cv	360	360		370	370		
	CP	0.29	0.29		0.58	0.58		
6" *	A	5.50	5.50	5.38	6.25	6.25	6.25	6.25
	B	9.81	9.81	10.38	11.25	11.25	11.25	12.48
	Weight	41	41	68	100	100	100	180
	Cv	506	506	441	370	370	370	150
	CP	0.45	0.45	0.66	0.58	0.58	0.58	0.62
8" *	A	6.50	6.50	6.50	8.13	8.13	8.13	
	B	12.13	12.13	12.63	13.81	13.81	13.81	
	Weight	86	86	134	237	244	237	
	Cv	860	860	780	620	620	620	
	CP	0.56	0.56	0.56	0.66	0.66	0.66	
10"	A	8.25		8.38	9.50	9.75	9.75	
	B	17.62		15.5	17.06	17.06	17.06	
	Weight	138		270	430	430	426	
	Cv	1355		755	755	755	755	
	CP	0.45		0.51	0.61	0.61	0.61	

* Sizes 1" to 8" are Dual Rated Class 150 / 300

** Consult DFT factory

Consult DFT for 2500 RF availability.

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