

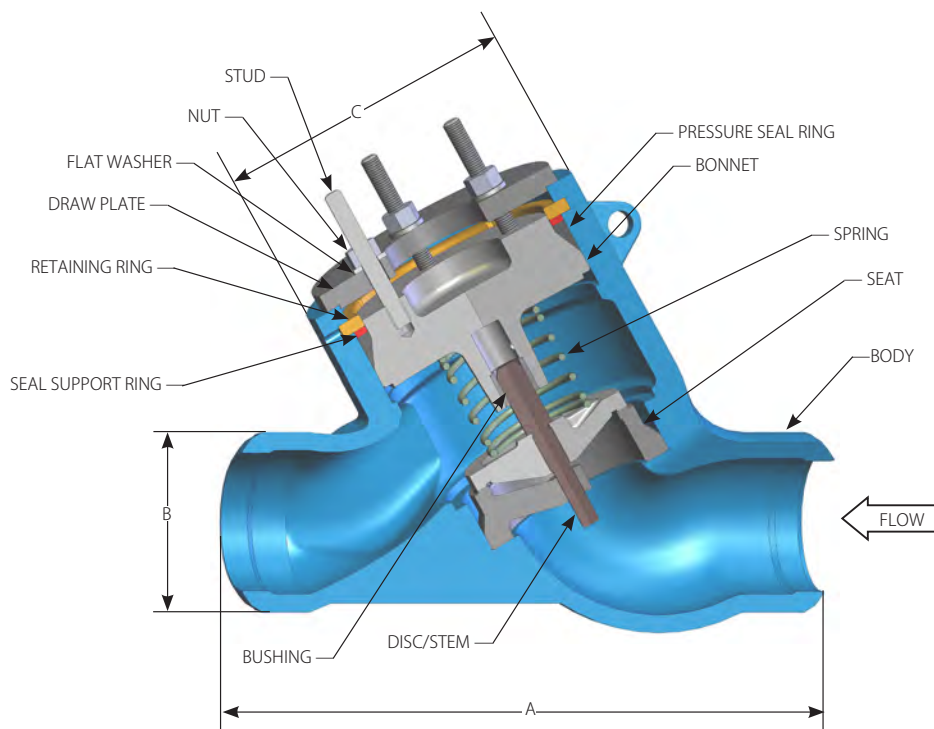
Y-Calibur™

The **DFT® Y-Calibur™ Silent Check Valve** is an in line repairable, 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 valve consists of a body, bonnet, gasket, seat, spring, disc with stem and guide bushing. Y-Calibur check valves are available in a wide range of sizes and pressure ratings and in a variety of materials to meet most check valve requirements.



FEATURES:

- ASME B16.10 Face-to-Face dimensions
- Spring-assisted silent closing, non-slam
- 4" to 14" Line size *
- ASME Class 600 to 2500 (See chart)
- Standard body materials:
 - A216 WCB carbon steel
 - A351 CF8M stainless steel
- Optional body materials:
 - Duplex SS
 - Hastelloy®
 - Inconel® 600
 - Monel®
- Standard ends:
 - Butt weld
- Stainless steel trim
- Other materials available
- Center-guided
- Dual-guided stem & disc
- Horizontal or vertical installation
- Tight shutoff
- Protected spring
- Fully repairable in-line
- Versatile
- Axial flow/non-slam design
- Options:
 - Inconel® X-750 Spring
 - Custom sizing low flow
 - Severe service trim
 - Stellite® trim
 - NACE (See page 41)



* other sizes available on application

Consult pages 42 and 43 for Pressure/Temperature ratings and soft seat materials.

MATERIALS OF CONSTRUCTION

COMPONENT	CARBON STEEL BODY	STAINLESS STEEL BODY
Body and Bonnet	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
Bolting (2)	A193-B7 (Stud) & A194-2H (Nut)	
Seal	Graphite	

Class		600	900	1500	2500
4"	A	17	18	21.5	
	B	3.82	3.43	3.15	
	C	8.38	8.88	10.00	
	Weight	103	150	211	
	Cv	265	265	265	
6"	A	22	24	27.8	36
	B	5.76	5.18	4.89	4.90
	C	11.63	12.25	13.75	15
	Weight	250	312	479	965
	Cv	685	685	685	617
8"	A	26	29	32.8	40.25
	B	7.62	6.81	6.87	6.90
	C	14.50	15.38	15.25	21
	Weight	461	597	903	1995
	Cv	1050	1050	1050	945
10"	A	31	33	39	50
	B	9.56	8.75	8.5	8.75
	C	18.50	19.63	21.88	27
	Weight	801	1084	1886	3845
	Cv	1650	1650	1650	1485
12"	A	33	38	44.5	
	B	11.37	10.75	10.12	
	C	22.38	22.38	24.00	
	Weight	1058	1440	2625	
	Cv	2400	2400	2400	

Contact DFT for additional sizes/pressure classes.

Notes: 1. Inconel® X-750 spring is available.
2. Contact DFT for stainless steel or other bolting materials.

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