DFT’s family of In-Line Check Valves are available in a variety of designs:

- Basic-Check®
- Restrictor Check
- SCV®
- SCV-R®
- Vacuum Breaker
- DLC®
- Excalibur®
- GLC®
- GLC®-Cast Iron
- PDC®
- DSV®
- ALC®
- FBC®
- WLC®
- WLC®-Cast Iron
- Y-Calibur™
DFT® Model DSV® Sanitary Check Valve
- 1/2” to 4” line size
- 150 CWP, 108 ANSI pressure class
- Clamped ends
- 316L body and seat
- 316 disc, spring & guide assembly
- 25 Ra internal surface finish
- Electropolished spring (15 Ra)
- .16 to .66 psig cracking pressure
- EPDM body seal
- Edge-guided disc (1/2” thru 2”)
- Center-guided disc (2-1/2” thru 4”)
- Spring assisted silent closing, non-slam
- Tight shutoff – lapped disc & seat
- Horizontal or vertical installation
- CIP (Clean In Place)
- Options:
  - 15 Ra internal surface finish
  - Tuf-Flex® or Viton® body seal

DFT® Model SCV® Check Valve
- 1/2” to 3” line size
- 750 & 3600 CWP
- FNPT and Socket Weld ends
- Stainless steel construction
- Inconel® X-750 spring
- Zelon® “O” ring body seal
- Edge-guided disc
- Spring assisted silent closing, non-slam
- Tight shutoff – lapped disc & seat
- Horizontal or vertical installation
- Simplified 5-part construction
- Easy maintenance
- Versatile
- Options:
  - Alloy 20 or Hastelloy® C body
  - Seal weld body
  - 316 SS spring
  - Soft seat

DFT® Model SCV-R® Check Valve
- Higher cracking pressures (8 to 40.8 psig)
- 1/2” to 2” line size
- 750 CWP
- FNPT and Socket Weld ends
- Stainless steel construction
- Inconel® X-750 spring
- Zelon® “O” ring body seal
- Edge-guided disc
- Spring assisted silent closing, non-slam
- Tight shutoff – lapped disc & seat
- Horizontal or vertical installation
- Easy maintenance
- Versatile
- Options:
  - Alloy 20 or Hastelloy® C body
  - Seal weld body
  - 316 SS spring
  - Soft seat

DFT® Basic-Check® Valve
- 1/4” to 2-1/2” line size
- 450 to 6000 CWP
- NPT Threaded ends
- Stainless steel construction
- Edge-guided disc
- Spring assisted silent closing, non-slam
- Tight shutoff – lapped disc & seat
- Horizontal or vertical installation
- Easy maintenance
- Versatile
- Options: • Inconel® X-750 spring • Soft seat

DFT® Restrictor Check Valve
- Higher cracking pressures (2 to 40 psi)
- 1/4” to 2-1/2” line size
- 450 to 2500 CWP
- NPT Threaded ends
- Stainless steel construction
- Edge-guided disc
- Spring assisted silent closing, non-slam
- Tight shutoff – lapped disc & seat
- Horizontal or vertical installation
- Easy maintenance
- Versatile
- Options: • Soft seat

DFT® Vacuum Breakers
- 1” to 4” line size (MNPT)
- 450 to 6000 CWP
- Threaded O.D. (MNPT)
- Unthreaded inlet bore
- Stainless steel construction
- Edge-guided disc
- Spring assisted silent closing, non-slam
- Tight shutoff – lapped disc & seat
- Horizontal or vertical installation
- Easy maintenance
- Versatile
- Options: • Inconel® X-750 spring • Soft seat

DFT® Model DLC® Check Valve
- 1/2” to 3” line size
- ASME class 150 and 300
- RF flanged ends
- ASME B16.10 face-to-face dimensions
- Stainless steel construction
- Inconel® X-750 spring
- Electron beam welded body
- Edge-guided disc
- Spring assisted silent closing, non-slam
- Tight shutoff – lapped disc & seat
- Horizontal or vertical installation
- Simplified 4-part construction
- Versatile
- Options:
  - Alloy 20 or Hastelloy® C body
  - 316 SS spring
  - Soft seat (TFE-Viton® only)
DFT® Model PDC® Check Valve
- Pulse-damped design for modulating "air" or "gas" applications
- Discharge of reciprocating air/gas compressors
- Self-sizing
- 2” to 20” line size*
- ASME class 150 to 1500
- RF & RTJ flanged ends
- ASME B16.10 face-to-face dimensions
- Standard Body Materials:
  - A216 WCB carbon steel
  - A351 CF8M stainless steel
  - A352 LCC low-carbon steel
  - Stainless steel trim
  - Center-guided/dual-guided stem
  - Spring assisted silent closing, non-slam
  - Tight shutoff – lapped disc & seat
  - Horizontal or vertical installation
  - Protected spring
  - Axial Flow
  - Nozzle style
- Easy maintenance
- Options: Inconel® X-750 spring
- Soft seat • NACE

DFT® Model WLC® Wafer Style Check Valve
- 1” to 10” line size
- ASME class 150 to 2500
- RF & RTJ wafer ends
- Face-to-face dimensions:
  - MSS SP-126 (class 150 and 300)
  - API 594 (class 600 and above)
- Standard Body Materials:
  - A216 WCB carbon steel
  - A351 CF8M stainless steel
  - Optional body materials
  - Alloy 20 • Inconel® 625 • Titanium
  - Hastelloy® • Duplex SS
  - Stainless steel trim
  - Center-guided/dual-guided stem
  - Spring assisted silent closing, non-slam
  - Tight shutoff – lapped disc & seat
  - Horizontal or vertical installation
  - Protected spring
  - Wafer design
- Easy maintenance
- Options:
  - Inconel® X-750 spring
  - Soft seat • NACE

DFT® Model ALC® Wafer Style Check Valve
- 2” to 24” line size
- ASME class 150 and 300
- RF wafer ends
- API 594 face-to-face dimensions
- Standard Body Materials:
  - A216 WCB carbon steel
  - A351 CF8M stainless steel
  - Stainless steel seat, disc & bushing
  - Nitronic 60 stem
  - Inconel® X-750 spring
  - Center-guided stem
  - Spring assisted silent closing, non-slam
  - Tight shutoff – lapped disc & seat
  - Horizontal or vertical installation
  - Protected spring
  - Wafer and wafer-lug designs
  - Axial Flow
  - Nozzle style
- Easy maintenance
- Versatile
- Options:
  - 316 SS spring
  - Soft seat
  - Custom sizing for low flow applications

DFT® Excalibur® Silent Check Valve
- 2” to 42” line size*
- ASME class 150 to 2500
- RF & RTJ flanged ends
- **Short** face-to-face dimensions
- API 6FD Fire Test
- ASME class 150 and 300, 2” to 24”
- Standard Body Materials:
  - A216 WCB carbon steel
  - A351 CF8M stainless steel
  - Stainless steel trim
  - Center-guided/dual-guided stem
  - Spring assisted silent closing, non-slam
  - Tight shutoff – lapped disc & seat
  - Horizontal or vertical installation
  - Protected spring
  - Axial Flow
  - Nozzle style
  - Easy maintenance
  - Versatile
- Options:
  - Inconel® X-750 spring
  - Soft seat
  - Custom sizing for low flow applications
  - Stellited trim
  - NACE

DFT® Model GLC® Silent Check Valve
- 2” to 42” line size*
- ASME class 150 to 2500
- RF & RTJ flanged ends
- "Short" face-to-face dimensions
- API 6FD Fire Test
- ASME class 150 and 300, 2” to 24”
- Standard Body Materials:
  - A216 WCB carbon steel
  - A351 CF8M stainless steel
  - Stainless steel trim
  - Center-guided/dual-guided stem
  - Spring assisted silent closing, non-slam
  - Tight shutoff – lapped disc & seat
  - Horizontal or vertical installation
  - Protected spring
  - Axial Flow
  - Nozzle style
  - Easy maintenance
  - Versatile
- Options:
  - Inconel® X-750 spring
  - Soft seat
  - Custom sizing for low flow applications
  - Stellited trim
  - NACE

DFT® Nickel-Aluminum Bronze Valves
- Excalibur®-NAB
- GLC® – NAB

These silent check valves are spring-assisted, nozzle style, non-slam check valves that are designed to withstand the harsh environments of salt and brackish water applications where corrosion resistance and marine life deterrents are a must. DFT’s center guided check valves provide reliable, low-maintenance service and solve the problems associated with water hammer and severe applications and environments. See DFT® Model Excalibur® Silent Check Valve & DFT® Model GLC® Silent Check Valve above for a complete lists of features.

* Consult DFT for larger sizes. ** Consult DFT for additional alloys.

Tel: 610-363-8903  Toll-Free: 800-206-4013  Email: dft@dft-valves.com
DFT® Model FBC® Compact Insert Check Valve

- 1” to 4” line size
- ASME class 150 and 300
- Meets ASME B16.34-2013 & MSS SP-126
- Use in Schedule 40 pipe, consult factory for Schedule 80
- Stainless steel construction
- Edge-guided disc
- Spring assisted silent closing, non-slam
- Tight shut off — lapped disc & seat
- Horizontal or vertical installation
- Extended tag for easy identification of the installed valve
- Easy maintenance
- Versatile

DFT® Model GLC®-Cast Iron Silent Check Valve

- 2-1/2” to 24” line size
- ASME class 125 and 250
- 2 1/2” to 24” line size (Cl. 125)
- 2 1/2” to 8” line size (Cl. 250)
- FF Flanged ends
- Meets MSS SP-125
- A126 Class B Cast iron body
- Bronze or 316 SS trim
- Center-guided/dual-guided stem
- Spring assisted silent closing, non-slam
- AWWA seat leakage
- Horizontal or vertical installation
- Axial Flow
- Nozzle style
- Easy maintenance

DFT® Model WLC®-Cast Iron Wafer Style Check Valve

- 2” to 10” line size
- ASME class 125 and 250
- FF wafer ends
- Meets MSS SP-125
- A126 Class B Cast iron body
- Bronze or 316 SS trim
- Center-guided/dual-guided stem
- Spring assisted silent closing, non-slam
- AWWA seat leakage
- Horizontal or vertical installation
- Protected spring
- Wafer design
- Axial Flow
- Nozzle style
- Easy maintenance

DFT® Y-Calibur™ Silent Check Valve

- Fully repairable in-line
- 4” to 14” line size
- ASME class 600 to 2500
- Butt weld ends
- ASME B16.10 face-to-face dimensions
- Standard Body Materials:
  - A216 WCB carbon steel
  - A351 CF8M stainless steel
  - Stainless steel trim
  - Center-guided/dual-guided stem
  - Spring assisted silent closing
  - Tight shut off – lapped disc & seat
  - Horizontal or vertical installation
  - Protected spring
  - Axial Flow
  - Nozzle style
  - Easy maintenance
  - Versatile
- Options:
  - Inconel® X-750 spring
  - Custom sizing for low flow applications
  - Stellited trim
  - Stellite

DFT Inc. specializes in preventing check valve problems and failures caused by water hammer and reverse flow. The in-line, spring-assisted check valves are designed to meet customer requirements for horizontal and vertical installations in liquids, gas or steam.

Consult DFT for engineered sizing solutions for your check valve related issues.

DFT® Y-Calibur™ Silent Check Valve

- Fully repairable in-line
- 4” to 14” line size
- ASME class 600 to 2500
- Butt weld ends
- ASME B16.10 face-to-face dimensions
- Standard Body Materials:
  - A216 WCB carbon steel
  - A351 CF8M stainless steel
  - Stainless steel trim
  - Center-guided/dual-guided stem
  - Spring assisted silent closing
  - Tight shut off – lapped disc & seat
  - Horizontal or vertical installation
  - Protected spring
  - Axial Flow
  - Nozzle style
  - Easy maintenance
  - Versatile
- Options:
  - Inconel® X-750 spring
  - Custom sizing for low flow applications
  - Stellited trim
  - Stellite

DFT Inc. specializes in preventing check valve problems and failures caused by water hammer and reverse flow. The in-line, spring-assisted check valves are designed to meet customer requirements for horizontal and vertical installations in liquids, gas or steam.

Consult DFT for engineered sizing solutions for your check valve related issues.

DFT® valves serve broad process industries:

- Chemical
- Food & Beverage
- General Industry
- Mining
- Oil and Gas
- Petrochemical
- Pharmaceutical
- Power Generation
- Pulp and Paper
- Steel
- Textile
- Ultra-pure Water
- Desalination

for more information

FACTORY
DFT Inc.
140 Sheree Boulevard
P.O. Box 566
Exton, PA 19341-0566
610-363-8903
800-206-4013
FAX 610-524-9242
EMAIL dft@dft-valves.com
INTERNET www.dft-valves.com

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