

DFT[®] INC

VALVTECHNOLOGIES

**Exclusive Distributor of In-Line Check Valves
for Nuclear Applications and Licensed Manufacturer
of ASME III and Safety Related Check Valves**

**ASME/ANSI Class 150 – 2500
1/4 – 24 inches**

ValvTechnologies
provides field proven
solutions for the
nuclear industry.

Designed to prevent "water hammer"

The spring-assisted, in-line design featured in all DFT[®] check valves ensures that as the forward flow in a pipeline decreases, the disc begins moving closer to the seat. By the time the flow stops, the disc is closed against the seat preventing flow reversal. This prevents the valve from slamming closed causing "water hammer" and the resultant noise and damage to piping systems.

ALC

The ALC[®] is an in-line, spring assisted, single guided "wafer" check valve designed to prevent "water hammer" and "reverse" flow. The lightweight compact design fits between mating flanges and meets API 594 face-to-face dimensions.

Basic-Check

The DFT[®] basic check valve is a versatile all-purpose, spring-assisted, in-line check valve that provides reliable, low maintenance service for a wide range of liquids and gases at various pressure and temperature combinations.

Excalibur

Excalibur[®] check valves are available in a wide range of sizes and pressure ratings and in a variety of metals to meet most check valve requirements.

GLC

The GLC[®] silent check valve consists of a body, seat, spring, disc with stem and guide bushing. The DFT[®] GLC[®] check valve has the advantage of minimum pressure loss with silent, non-slam operation.

PDC

The DFT[®] Model PDC[®] silent check valve is specially designed for use on the discharge side of reciprocating air or gas compressors. It includes a pulse damping chamber to maintain the disc in the open position during the momentary reductions in flow associated with each cycle of a reciprocating compressor.


SCV

The DFT[®] Model SCV[®] is a corrosion resistant, dependable, versatile and economical spring-assisted, in-line check valve for a wide range of applications.

WLC

The WLC[®] "wafer" style silent check valve is a lightweight, spring-assisted, center guided, in-line check valve. 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.

Nuclear Rated Check Valve – Selection Guide

ValvTechnologies® - DFT® Nuclear Rated Check Valves					
Model	Size (inches)	Pressure Rating	Body Materials	End Connections	Applications
ALC 	10 - 24	ASME/ANSI Class 150 - 300	A216 WCB A351 CF8M other materials available	Wafer	Service Water Pump Discharge
Basic-Check 	1/4 - 2-1/2	450 - 6000 CWP	316 SS	NPT	Steam/condensate Water injection Hydraulics Air
Excalibur 	2 - 24	ASME/ANSI Class 150-1500	WCB 316SS other materials available	RF RTJ BW	Steam / Water Service Water
GLC 	1 - 24	ASME/ANSI Class 150 - 2500	WCB 316SS other materials available	RF RTJ	Steam / Water Boiler Feed Vacuum Breakers
PDC 	2 - 12	ASME/ANSI Class 150 - 1500	WCB LCC 316SS - seat, disc, stem and spring; other materials available	RF RTJ	Air / Gas Reciprocating Compressors
SCV 	1/2 - 3 (750 CWP) 1/2 - 2 (3600 CWP)	750 / 3600 CWP	316SS - body, seat, disc Inconel - spring	NPT SW	Steam / Condensate Chemicals Nitrogen Water Injection Boiler Feed
WLC 	1 - 10	ASME/ANSI Class 150 - 2500	WCB 316SS 316SS - seat, disc, stem and spring; other materials available	Wafer RF RTJ	Water Condensate / Steam Steam Injection Oxygen / Nitrogen