

# Features

## **Designed to prevent “Water Hammer.”**

The spring-assisted, non-slam design featured in all DFT® check valves insures 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 which can cause “Water Hammer” and the resultant noise and damage to piping systems.

## **Designed to open at 0.5 psi differential pressure and fully open at 1.0 psi differential pressure.**

## **Can be installed in ANY position.**

Including vertical with flow up or down. (Special springs may be required)

## **MSS SP 126-2000 Steel Non-slam Spring-Assisted Center Guided Check Valves Standard**

DFT carbon steel, stainless steel and alloy valves meet this standard. (Does not apply to the Basic-Check, Restrictor Check or Vacuum Breaker)

## **API 6D- Pipeline Valves**

Contact DFT for products that meet API 6D.

## **API 6FD- Fire Test for Check Valves**

The ASME Class 150 and 300 GLC meet API 6FD.

## **Meet or exceed MSS SP-61 leakage requirements.**

Metal-to-metal seating is standard in all DFT non-slam check valves. Cast iron valves meet AWWA seat leakage requirements.

## **Available with soft seats for bubble-tight shutoff.**

## **Dual-guided stems.**

The stem is guided upstream and downstream to guard against vibrations and insure proper disc seating. (Does not apply to the ALC®, Basic-Check®, DLC®, DSV® (1/2”-2”), Restrictor Check, SCV®, SCV-R™ or Vacuum Breaker)

## **Custom sizing available.**

The following DFT check valves can be sized to the appropriate flow conditions: ALC®, Excalibur®, GLC® and WLC®.

## **Pulse-damping design.**

The DFT Model PDC® is specifically designed for use on the discharge of reciprocating air or gas compressors. The design includes a pulse-damping chamber to protect against premature seat wear due to chattering.

## **Liquids, gas or steam.**

All DFT non-slam check valves provide positive shutoff for applications involving liquids, gas or steam and can be used in most industries including oil and gas, petrochemical, pulp and paper, textiles, food and beverage and commercial construction. Applications include chemical lines, fluid injection, condensate recovery, steam, nitrogen, pump and compressor discharge, chiller and boiler feed systems.

## **NACE**

DFT check valves can meet the “new” NACE standards MR0103-2003 and MR0175/ISO 15156. See page 39.

## **Maintenance and Installation guides available for all DFT non-slam check valves.**