

## DFT® can help !

DFT has learned from working with people like yourself that **steel mills** have special needs that exceed the normal check valve design. **ALL** carbon and stainless steel DFT check valves come with **316SS** internals to prevent corrosion when used in mediums containing water and steam.

DFT specializes in providing In-Line check valves that meet customer requirements as opposed to simply meeting line size. In some cases minor modifications to our valves have solved customer problems.

The Check Valve Doctor is willing to listen and work with you for your normal and special needs.

DFT builds In-Line check valves to **your** flow requirements or needs and not ours.

The next time your check valve acts up, give us a call at **800-206-4013**. The call is FREE and who knows, you may learn there are check valves that work.

Represented by



# DFT<sup>®</sup> INC

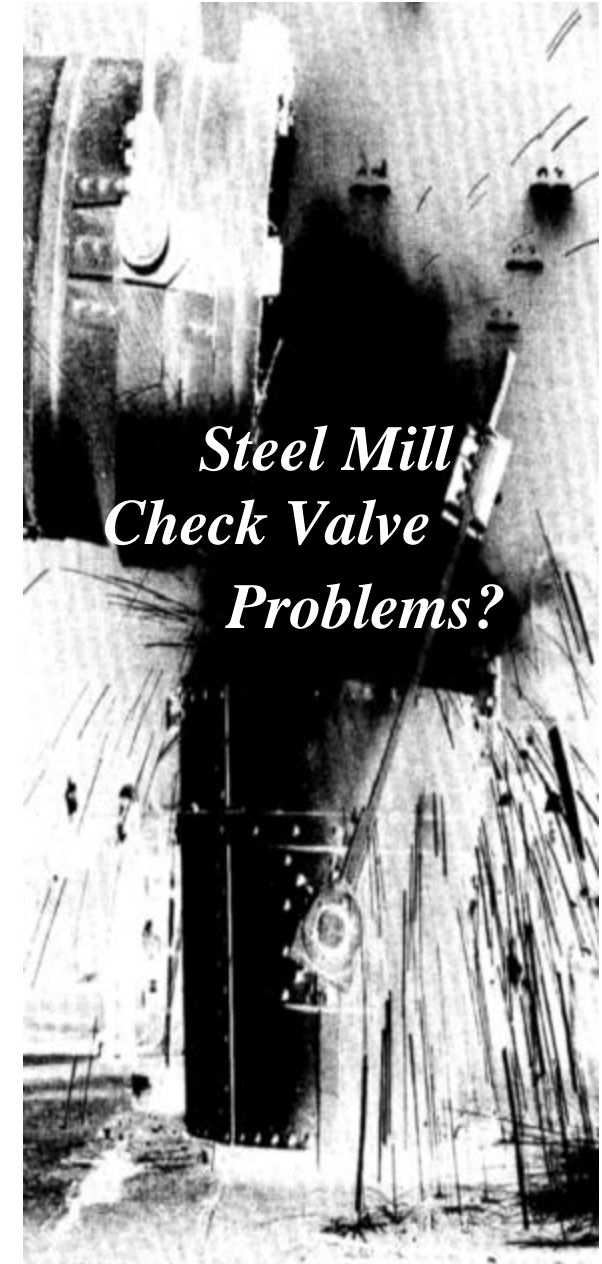
140 Sheree Blvd.  
P.O. Box 566  
Exton, PA 19341-0566

**800-206-4013**

610-363-8903

email: [dft@dft-valves.com](mailto:dft@dft-valves.com)  
<http://www.dft-valves.com>  
FAX: 610-524-9242

Printed in the USA 05/28/02 - Rev. 3  
Copyright 2002, DFT® Inc., All Rights Reserved



*Steel Mill  
Check Valve  
Problems?*

# DFT<sup>®</sup> INC

## BOF/BOP SERVICES

DFT<sup>®</sup> Excalibur<sup>®</sup> and GLC<sup>®</sup> In-Line check valves are used in the quench system on pump discharge applications to prevent reverse flow and Water Hammer. The check valves are installed in vertical lines and handle a medium composed of water and scale.

## H. P. DESCALING WATER

DFT Excalibur and GLC check valves are used in the Hot Strip and Plate Mills on pump discharge applications. The Excalibur and GLC prevent flow reversal and Water Hammer each time the pumps are shut down. The DFT check valves are exposed to severe cycling each time a blast of water is used to remove scale from the steel.

## HYDRAULIC PRESSES

DFT Excalibur and GLC In-Line check valves are used on the pump discharge to prevent flow reversal and Water Hammer. DFT check valves handle the high pressures and intermittent or continuous cycling as the water pushes the rolls together.

## APPLICATIONS

Air Lines  
BOF/BOP Services  
Boiler Feed  
Breakdown Mill - Contact Water  
Bug Plant  
Caster Air Lines  
Coating Lines  
Coke Ovens  
Descaling  
High Pressure Descaling  
Hydraulic Presses  
Pickling Lines  
Receiprocating Pump Discharge  
Utilities  
Waste Water  
Water treatment

## DFT In-Line Check Valve Features

- Non-slam/Spring assisted
- Prevents **water hammer** & **reverse** flow
- **Horizontal & Vertical installations**
- 1/2" to 24", ANSI 150 to 2500
- WCB, 316 SS & other alloys
- **316 SS trim** (standard)
- Custom sizing
- Metal & soft seating
- Vacuum Breaker applications
- Easy to maintain

## DFT IN-LINE CHECK VALVES

**SCV** is available from 1/2" to 3" in NPT and SW ends; **316SS** body, disc and seat with X-750 spring. It is rated for 750 or 3600 CWP. The 750CWP is rated to 500 **Working Steam Pressure**.

**DLC<sup>®</sup>** is offered from 3/4" to 3" in ANSI Class 150 and 300 RF flanges; **316SS** body, disc and seat with X 750 spring. Face to face dimensions meet ANSI B16.10 the same as swing checks. The electron beam welded body allows temperatures to 700 ° F.

**EXCALIBUR<sup>®</sup>** is available from 2" to 24", ANSI Class 150 to 1500 in WCB, 316SS and other alloys. Face to face dimensions meet ANSI B16.10 the same as swing checks.

**GLC<sup>®</sup>** is available from 1" to 24", ANSI Class 150 to 2500 in WCB, 316SS and other alloys. Short pattern face to face dimensions.

**PDC<sup>®</sup>** is a compressor check valve available from 2" to 10", ANSI Class 150 to 1500 in WCB & 316SS. Face to face dimensions meet ANSI B16.10.

**WLC<sup>®</sup>** is available from 1" to 10", ANSI Class 150 to 2500 in WCB, 316SS and other alloys. Wafer design. F to F dimensions meet API 594 in **RF** Class 600 and higher.