

BUILDING MAINTENANCE



FACILITY:	APPLICATION PROBLEM:	SOLUTION:	SUCCESS SINCE:
University in Texas	Boiler Feed Lines, Condensate Return Condensate Metering	DFT® Model SCV® Check Valve	2003

Challenge:

A major University located in Texas was experiencing frequent failing swing type check valves due to worn hinge pins and missing internals caused by low flow. The swing check valves were installed in their boiler feed lines, condensate metering and condensate return lines.

The low flow affected discharge of condensate pumps, centrifugal pumps and duplex pumps by causing the swing check valves to chatter and eventually fail. When failures like this happen, it is possible for the internal pieces to break off and travel down stream, which could damage other equipment.

Solution:

The DFT® model SCV® check valves were the answer to this problem. The University installed .75", .5", 1", 1.25", 1.5", and 2" sized SCV's 750 CWP, NPT ends. The SCV spring-assisted design improved longevity and provided tight shut-off due to proper disc/ seat alignment.



DFT® Model SCV® Check Valve

Features:

- 1/2" to 3" line size
- 750 & 3600 CWP
- FNPT or 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

Contact DFT for a solution to your problem.