

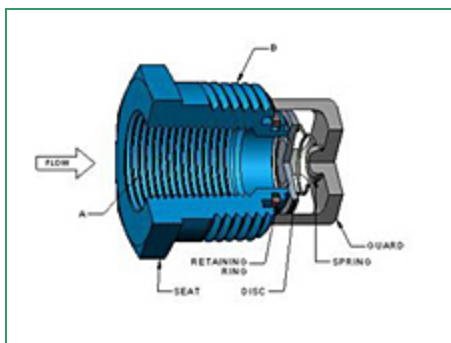


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## Prod. # 8004, 3/4" 316 SS BSS Style Basic-Check® Threaded In-Line Check Valve

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/temperature combinations. The valve consists of a guard cage, spring, valve disc, retaining ring and seat. It can be combined with pipe fittings such as reducing couplings, drain elbows, etc. to form a complete check valve unit ideally suited for a broad range of pipeline applications or incorporated

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### Specifications

Series	Basic-Check®
Size	0.75 in
Line Size Inlet (FNPT) A	0.75 in
Style	BSS
Outside Thread (MNPT) B	1.50 in
Friction Loss (Feet of Pipe)	6

Friction Loss (Meter of Pipe)	1.8
Valve Cracking Pressure <sup>1</sup>	0.44 psi 12.1 in.water
Valve Cracking Pressure Tolerance	±10%
Approx. Net Weight Each	0.88 lb
Cold Working Pressure <sup>2</sup>	0 psig 2000 psig
ENDS	NPT
Cv	13.2

## Materials of Construction

Seat	303 SS
Disc	316 SS
Guard	CF8M
Spring	316 SS
Retaining Ring	316 SS

## Available Soft Seat Materials

Available Soft Seat Materials <sup>3</sup>	Buna-N (-70 to 250°F) EPDM (-75 to 300°F) TFE®-Viton (-40 to 400°F) Viton® (-40 to 400°F) Zelon® (37 to 470°F)
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## Codes and Standards

ANSI	B1.20.1
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MSS

SP-25

## Options

## Options

Inconel® X-750  
Soft Seat  
X-750 Spring

- Inconel® 750 Spring
- Soft seat

## Features

- 1/4" to 2 1/2" Line size
- 450 to 6000 CWP
- Threaded ends
- Stainless Steel Construction
- Spring-assisted silent closing
- Horizontal or vertical installation
- Tight shut-off - lapped disc & seat
- Easy Maintenance
- Versatile

## Application

Autoclaves  
Boiler Feed & Discharge  
Chemical Lines  
Compressor Discharge  
Condensate Lines  
Cookers  
Cooling Towers  
Crude & Refined Product Lines  
Cryogenics  
Digester  
Evaporators  
Fly Ash System  
Generator Inlet & Discharge  
Hydraulic Lines  
Metering Pumps  
Mine Dewatering  
Nitrogen Purge  
Process Lines  
Pump Discharge  
Refrigeration  
Steam Lines  
Vacuum Breaker  
Water Lines  
Water Treatment

<sup>1</sup> Cracking pressure for vertical flow will be slightly different: upward flow, slightly higher; downward flow, slightly less.

Not recommended for use on discharge of reciprocating compressors.

<sup>2</sup> Contingent on service ratings of matching pipe and fittings.

<sup>3</sup> Soft seats are not available for the Style BSE check Valve. Buna-N and Viton are not suitable for steam service.