

Reliable®

Model DW 4" Swing Check Valve

Bulletin 803 Rev.H

Features

1. Wafer type.
2. Easily installed compact lightweight design.
3. Resilient "O"-Ring seating provides Leak-tight sealing, anti-stick operation, and simple field replacement.
4. Approved for vertical and horizontal installation.



General

The Reliable Model DW Swing Check Valve is a general purpose valve which performs all regular check valve duties and is approved for use in fire protection systems. Typical applications include connections between public water supplies and private fire systems, at the discharge piping from fire pumps, at gravity tank connections and at fire department pumper connections. This valve provides leak tight, non-stick operation through the use of a resilient "O"-Ring seal installed in the valve's seat. This seal is field replaceable for easy maintenance.

The Model DW Wafer Check Valve is easily installed between standard Class 125 flanges with gaskets using one set of flange studs. Inspection and repairs are easily accomplished by loosening the studs and slipping the valve out from between the flanges.

Reliable check valves and associated equipment shall periodically be given a thorough inspection and test. NFPA 25 provides minimum maintenance recommendations. The check valve shall be tested, operated cleaned, inspected and parts replaced as required at least annually.

When the Model DW Swing Check Valve is installed vertically, the direction of the flow arrow must point upward. When installed horizontally, the hinge pin shall be at the top.

Listings & Approvals

1. Listed by Underwriters Laboratories, Inc. (UL)
2. Certified by FM Approvals
3. NYC, B.S. & A. No. 587-75-SA.

Valve Description

1. Rated Working Pressure: 250 psi (17,2 bar).
2. Factory Hydrostatic Test Pressure: 500 psi (34,4 bar).
3. Studs (not supplied): 8 ($\frac{5}{8}$ " x 9²) double-ended stud bolts and 16 nuts.
4. Friction loss, expressed in equivalent length of pipe based on Hazen-Williams formula with C= 120 and a flowing velocity of 15 ft/s (4.6 m/s), is 9.8 ft. (3.0 m).
5. Shipping Weight: 17 lbs. (7.7 kg).
6. UL Control No.:143V.
7. UL Guide No.: HMER.

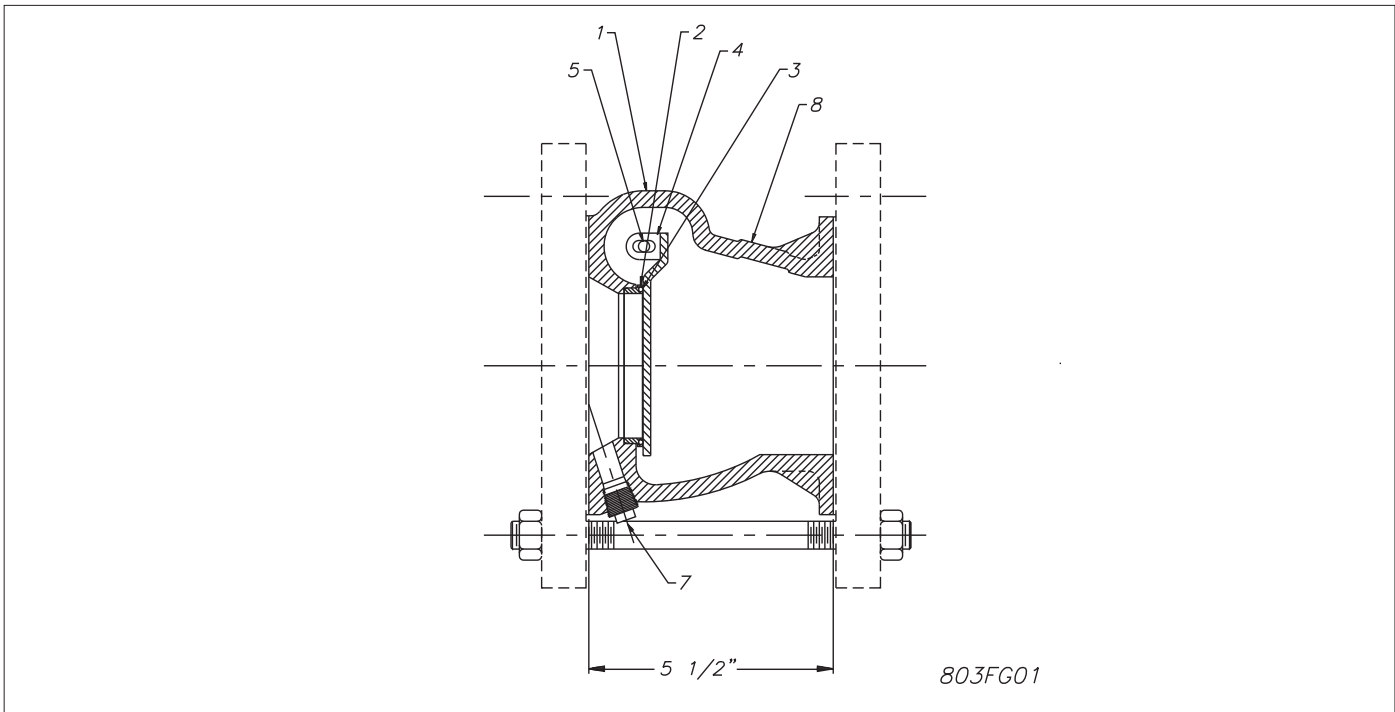
Item No.	Part Name	Material	Part Number	Quantity
1*	Body	Cast Gray Iron	91006823	1
2*	Seat Ring	Brass	96006824	1
3	"O"-Ring	Nitrile Rubber	95446823	1
4	Clapper	Stainless Steel	91906824	1
5	Hinge Pin	Stainless Steel	95006824	1
6	Plug, 1/4"	—	98604403	2
7	Plug, 1/2"	—	98604402	1
8	Label	—	94392009	1

*Not Field replaceable.

Ordering Information

Specify:

4" Model DW-Wafer Check Valve
P/N 6104040000



Contact the installing contractor or Reliable if any difficulties are experienced. Should replacement parts be needed, use only Reliable made parts. When ordering, specify part number, name, size, model and serial number of the unit.

The equipment presented in this bulletin is to be installed in accordance with the latest pertinent Standards of the National Fire Protection Association, Factory Mutual Research Corporation, or other similar organizations and also with the provisions of governmental codes or ordinances whenever applicable.

Products manufactured and distributed by Reliable have been protecting life and property for over 80 years, and are installed and serviced by the most highly qualified and reputable sprinkler contractors located throughout the United States, Canada and foreign countries.

Reliable®

The Reliable Automatic Sprinkler Co., Inc.

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