

Model TJDD Check Valve Double Door Wafer Type APAC Only

IMPORTANT

Refer to Technical Data Sheet TFP2300 for warnings pertaining to regulatory and health information.

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docs.jci.com/tycofire/model-tjdd-check-valve-double-door-wafer

General Description

The TYCO Model TJDD Check Valve Double Door Wafer Type is a wafer type, dual disc check valve for pipelines that convey water and other fluids.

The valve has the following features:

- The valve body contains a spring-loaded disc and support shafts.
- Face to face dimensions conform to DIN 3202-1.
- Seat and shell pressure tests conform to MSS SP-136 or higher.
- Installation can be in a horizontal or a vertical position (upward flow only).

NOTICE

The TYCO Model TJDD Check Valve Double Door Wafer Type described herein must be installed and maintained in compliance with this document, as well as with the applicable standards of the NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), in addition to the standards of any authorities having jurisdiction, such as FM Global. Failure to do so may impair the performance of these devices.

The owner is responsible for maintaining their fire protection system and devices in proper operating condition. Contact the installing contractor or product manufacturer with any questions.

In all cases, the appropriate NFPA or FM Global installation standard, or other applicable standard, must be referenced to ensure applicability and to obtain complete installation guidelines. The general guidelines in this data sheet are not intended to provide complete installation criteria.

Technical Data

Sizes

2 in. to 12 in. (DN50 to DN300)

Maximum Working Pressure

232 psi (16 bar)

Note: A 362.6 psi (25 bar) option is available on request.

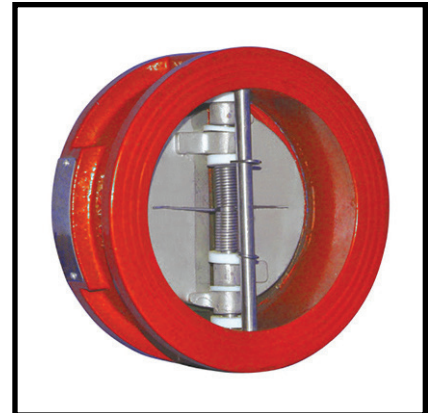
Physical Characteristics

Body	Cast Iron A126 Class B
Seat Ring	EPDM or NBR*
Disc	
2 in. to 4 in. (DN50 to DN100)	Stainless Steel**
6 in. to 12 in. (DN150 to DN300)	Ductile Iron***
Disc shafts	Stainless Steel Type 316
Spring	Stainless Steel Type 316

* Grade ethylene propylene diene monomer (EPDM) rubber or Nitrile rubber (NBR)

** Conforming to ASTM A-351

*** Conforming to ASTM A-536, Grade 65-5-12



Installation

Observe the following guidelines when installing the TYCO Model TJDD Check Valve:

- Placing the check valve too close to the source of an unstable flow may shorten the life of the valve and may, potentially, damage any connected system.
- Installing the check valve at a reasonable distance downstream from pumps, elbows, expanders, reducers, or other similar devices is recommended to extend the valve life. Standard piping practices calls for a minimum of five times the pipe diameter for general use.

Installing the check valve at a distance of three to five times the pipe diameter is acceptable if the flow velocity is less than 8 ft/s (2 m/s). A distance of less than three times the pipe diameter is not recommended.

- For horizontal installations, the check valve must be positioned such that the discs activate bi-symmetrically, as shown in Figure 2.

Dim.	Nominal Dimension in. (mm)							
	2 (DN50)	2-1/2 (DN65)	3 (DN80)	4 (DN100)	6 (DN150)	8 (DN200)	10 (DN250)	12 (DN300)
L	1.7 (44)	1.8 (46)	2.5 (64)	2.5 (64)	3.0 (76)	3.5 (89)	4.5 (114)	4.5 (114)
O.D.	4.06 (103)	4.84 (123)	5.59 (142)	6.57 (167)	8.58 (218)	10.98 (279)	13.15 (334)	15.71 (399)

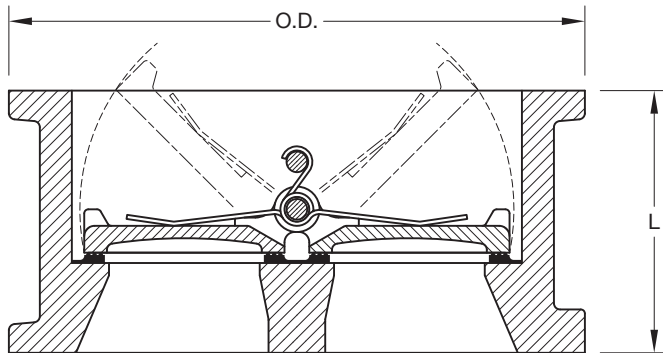
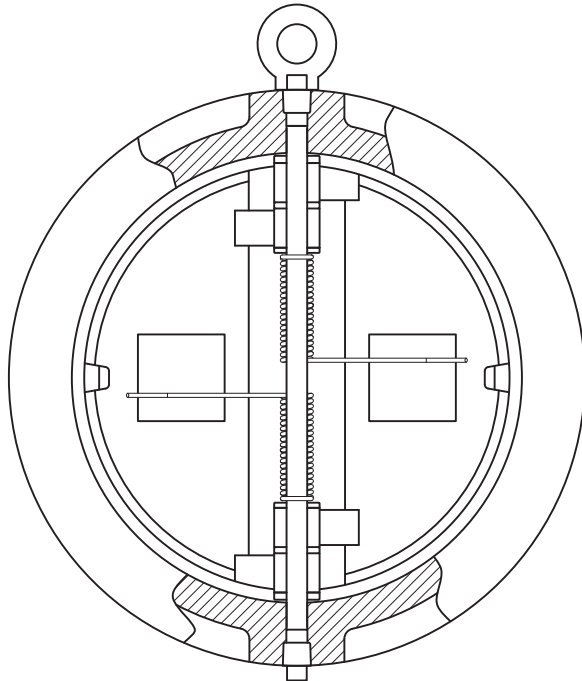


FIGURE 1
MODEL TJDD DOUBLE DOOR CHECK VALVE WAFER TYPE
NOMINAL DIMENSIONS

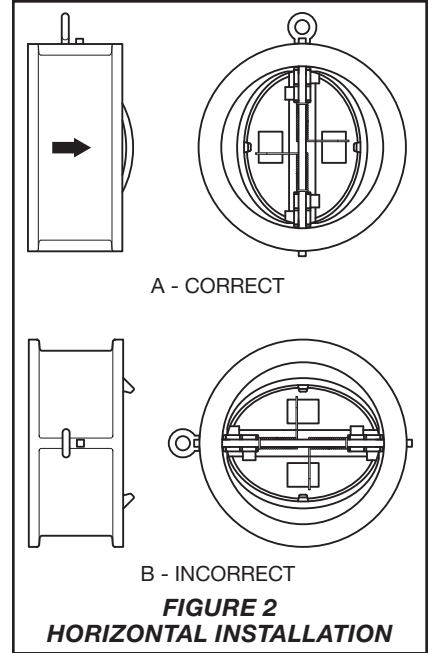


FIGURE 2
HORIZONTAL INSTALLATION

Care and Maintenance

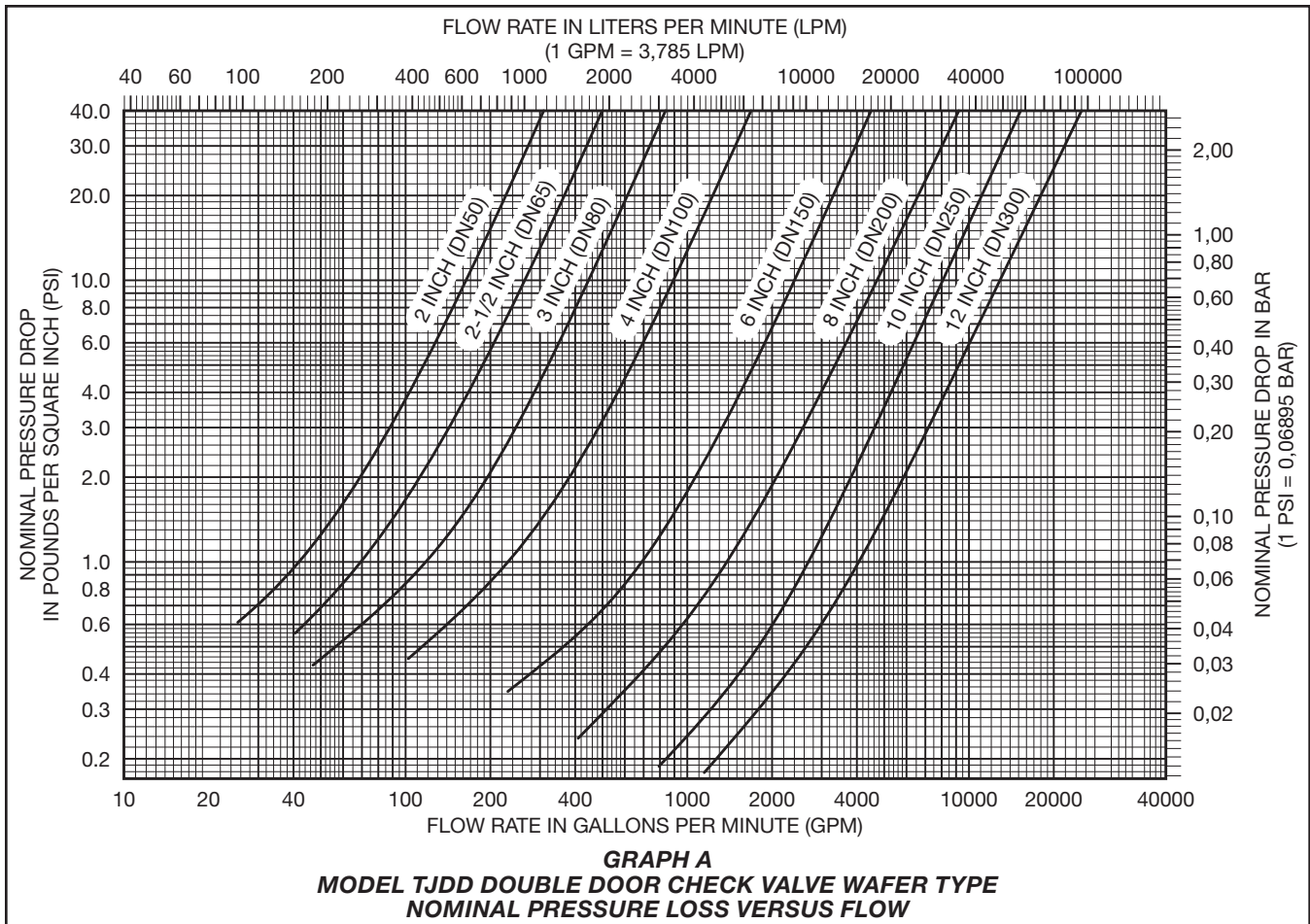
The TYCO Model TJDD Check Valve Double Door Wafer Type must be maintained and serviced in accordance with this section.

Before closing a fire protection system main control valve for maintenance work on the fire protection system that it controls, obtain permission to shut down the affected fire protection system from the proper authorities and notify all personnel who may be affected by this decision.

After placing a fire protection system in service, notify the proper authorities and advise those responsible for monitoring proprietary and/or central station alarms.

The owner is responsible for the inspection, testing, and maintenance of their fire protection system and devices in compliance with this document, as well as with the applicable standards of the NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) such as NFPA 25, in addition to the standards of any authority having jurisdiction. Contact the installing contractor or product manufacturer with any questions. Any impairments must be immediately corrected.

Automatic sprinkler systems are recommended to be inspected, tested, and maintained by a qualified inspection service in accordance with local requirements and/or national codes.



Limited Warranty

For warranty terms and conditions, visit www.tyco-fire.com.

Ordering Procedure

Contact your local distributor for availability. To place an order, specify the valve model number, size, and quantity.

Model TJDD Check Valve Double Door Wafer Type

Specify: Model TJDD Check Valve Double Door Wafer Type, size (specify), P/N (specify):

2 in. (DN50).....	595903020
2 1/2 in. (DN65).....	595903025
3 in. (DN80).....	595903030
4 in. (DN100).....	595903040
6 in. (DN150).....	595903060
8 in. (DN200).....	595903080
10 in. (DN250).....	595903100
12 in. (DN300).....	595903120

