



TILTING DISC CHECK VALVE

Suggested Specifications

GENERAL

The check valve shall be Pratt Series tilting disc check valve as manufactured by Henry Pratt. The tilting disc check valve shall consist of a circular disc with conical rim, hinged about a fixed pivot above its center-line and offset from the plane of the seat, sealing against a body seat clamped between the two sections of the valve body.

VALVE CONSTRUCTION

The body shall be two-piece, consisting of an entrance and a discharge section bolted together at an angle with the pipeline. An O-ring seal in a groove between the body flanges shall be in place to prevent leakage between the flanges when bolted together. The valve shall be complete with ANSI B16.1 class 125 or 250 flanges to mate with adjacent equipment.

A body seat shall be clamped in place in a slot between the two body sections. The body seat shall have a conical finish to mate with the disc seat. There shall be an inspection port provided in both the entrance and discharge sections to provide visual access both upstream and downstream of the disc. An indicator shall be provided to show disc position for the full range of travel. Bosses shall be cast in both the entrance and discharge sections to allow for a top or bottom mounted oil dashpot for controlled opening and closing.

The valve shall be self-lubricating and require no lubrication for internal wetted parts. All valve castings shall be ductile iron ASTM A536 Grade 65-45-12. The disc and body seat ring shall be ASTM A 276 Type 304. The hinge-pin shall be stainless steel ASTM A276 Type 304. The bearing sleeve shall be Bronze B62. Materials of construction shall warrant the UL listed dual ANSI/NSF 61 and ANSI/NSF 372 certifications.

TESTING

Seat and leakage testing shall be in strict accordance with AWWA Standard C-508 latest edition for Swing Check Valves. Rated working pressure of the check valve line is 250 psi.

COATING

Coating shall be a NSF61 approved epoxy.

For more information about Pratt or to view our full line of water products, please visit www.prattvalve.com or call Pratt customer service at 1.800.423.1323.

Mueller refers to one or more of Mueller Water Products, Inc., a Delaware corporation ("MWP"), and its subsidiaries. MWP and each of subsidiaries are legally separate and independent entities when providing products and services. MWP does not provide products or services to third parties. MWP and each of its subsidiaries are liable only for their own acts and omissions and not those of each other. MWP brands include Mueller®, Echologics®, Hydro Gate®, Hydro-Guard®, Jones®, Mi.Net®, Milliken®, Pratt®, Singer®, and U.S. Pipe Valve & Hydrant. Please see www.muellerwp.com/about to learn more.

Copyright © 2025 Henry Pratt Company, LLC. All Rights Reserved. The trademarks, logos and service marks displayed in this document are the property of Mueller Water Products, Inc., its affiliates or other third parties. Products marked with a section symbol (§) are subject to patents or patent applications. For details, visit www.mwppat.com. These products are intended for use in potable water applications. Please contact your Mueller Sales or Customer Service Representative concerning any other application(s).