



Grinnell Mechanical Products

Model BV835 Ball Valve

Grooved End Valve with Lever Handle

General Description

Model BV835 Ball Valves provide for efficient control of fluid in piping systems. Flow may be from either direction, and the valves may be positioned in any orientation. The valves are furnished with grooved ends for use with Grinnell grooved couplings. The handle is provided with a device for padlocking in either the open or closed position.

WARNING

The Model BV835 Ball Valve described herein must be installed and maintained in compliance with this document, in addition to the standards of any other authorities having jurisdiction. Failure to do so may impair the integrity of this device.

The owner is responsible for maintaining their system and devices in proper operating condition. The installing contractor or manufacturer should be contacted with any questions.

Technical Data

Sizes- Inches / DN

2, 2½, 3, 4, 6
DN50, DN65, DN80, DN100, DN150

Max. Working Pressures

1000 psi (68,9 bars) 2-3 Inch
800 psi (55,1 bars) 4 Inch
600 psi (41,4 bars) 6 Inch

Materials of Construction

Body

Ductile iron conforming to
ASTM A-536, Grade 65-45-12

Ball

Carbon Steel, Chrome Plated,
304SS available

Ball Seat

Teflon*

Upper Stem

Carbon Steel Nickel Plated

Operator

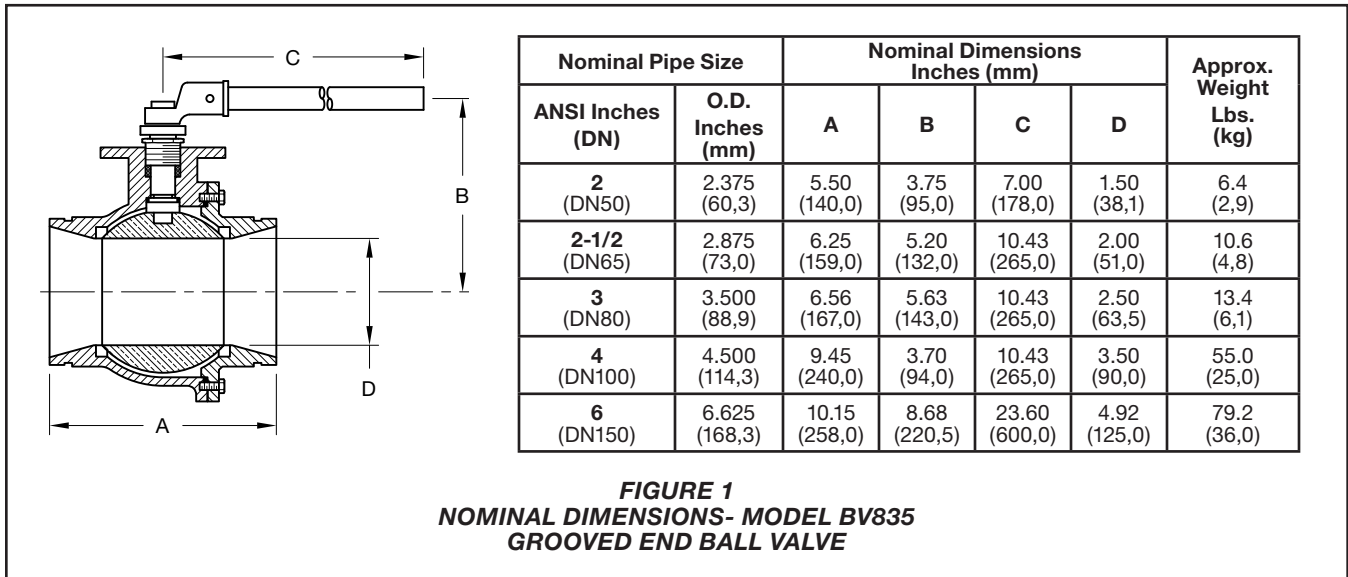
Lever with locking device

Body Coating

Black Enamel

*Teflon[®] is an E.I. Dupont trademark





Installation

In piping systems, ball valves should be located where they will be readily accessible for operation, inspection, and maintenance.

When a valve “closes hard”, it may be due to debris lodged in the sealing area. This may be corrected by backing-off the handle and closing it again, several times if necessary.

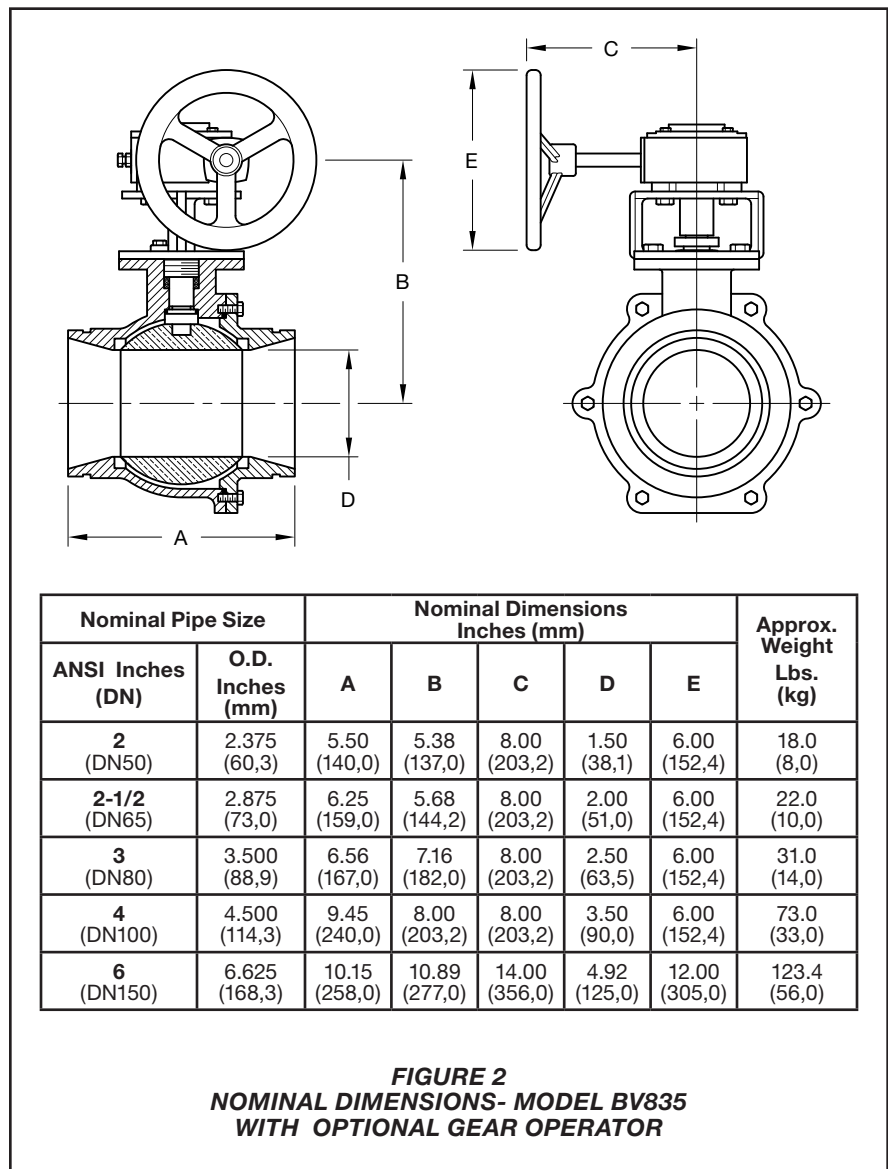
The valve should never be forced to seat by applying an extension to the handle, as it may distort the valve components or score the sealing surfaces.

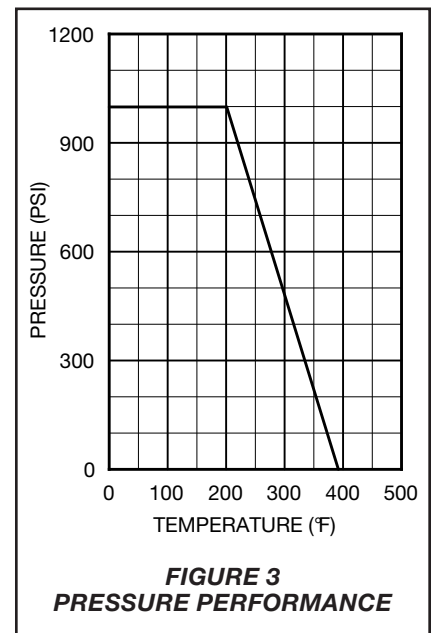
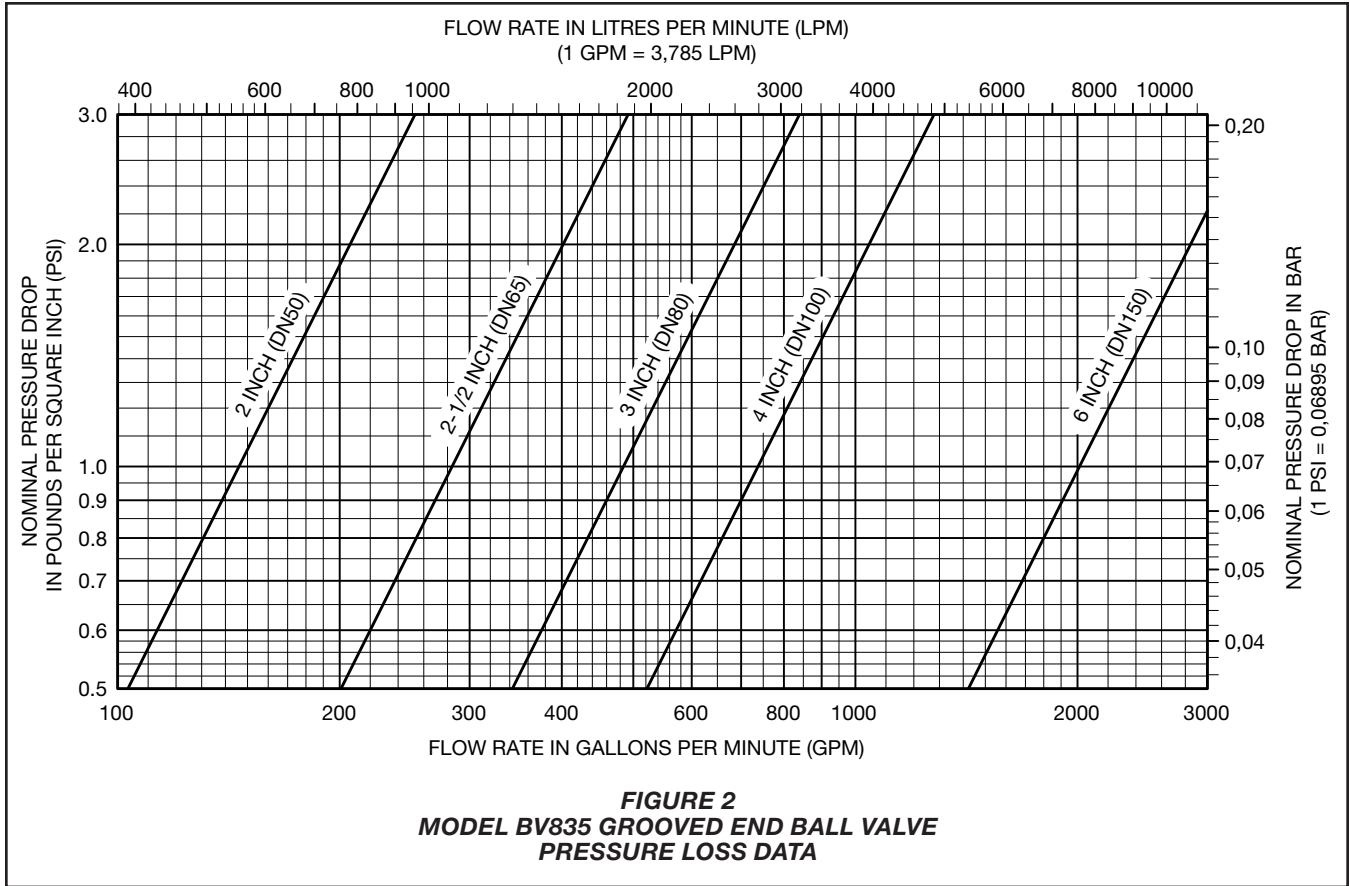
Important: All replacement parts must be obtained from the manufacturer to assure proper operation of the valve.

To prevent rotation of the valve, it is recommended that the Model BV835 Ball Valve be installed with rigid couplings, such as the Grinnell Figure 772 Coupling. If flexible couplings are used, additional support may be needed to prevent rotation.

NOTE

Never disassemble or remove any valve component without verifying that the system is depressurized and drained.





Limited Warranty

Products manufactured by Tyco Fire & Building Products (TFBP) are warranted solely to the original Buyer for ten (10) years against defects in material and workmanship when paid for and properly installed and maintained under normal use and service. This warranty will expire ten (10) years from date of shipment by TFBP. No warranty is given for products or components manufactured by companies not affiliated by ownership with TFBP or for products and components which have been subject to misuse, improper installation or maintenance, corrosion, or other external sources of damage. Materials found by TFBP to be defective shall be either repaired or replaced, at TFBP's sole option. TFBP neither assumes, nor authorizes any person to assume for it, any other obligation in connection with the sale of products or parts of products. TFBP shall not be responsible for system design errors or inaccurate or incomplete information supplied by Buyer or Buyer's representatives.

In no event shall TFBP be liable, in contract, tort, strict liability or under any other legal theory, for incidental, indirect, special or consequential damages, including but not limited to labor charges, regardless of whether TFBP was informed about the possibility of such damages, and in no event shall TFBP's liability exceed an amount equal to the sales price.

The foregoing warranty is made in lieu of any and all other warranties, express or implied, including warranties of merchantability and fitness for a particular purpose.

This limited warranty sets forth the exclusive remedy for claims based on failure of or defect in products, materials or components, whether the claim is made in contract, tort, strict liability or any other legal theory.

This warranty will apply to the full extent permitted by law. The invalidity, in whole or part, of any portion of this warranty will not affect the remainder.

Ordering Information

When placing an order, indicate the full product name. Please specify the quantity, valve model number, and size.

Grinnell Mechanical Products, valves, accessories, and other products are available throughout the U.S., Canada, and internationally, through a network of distribution centers. You may write directly or call 215-362-0700 for the distributor nearest you.

General Notes: It is the Designer's responsibility to select products suitable for the intended service and to ensure that pressure ratings and performance data are not exceeded. Always read and understand the installation instructions (IH-1000). Never remove any piping component or correct or modify any piping deficiencies without first depressurizing and draining the system. Material and gasket selection should be verified to be compatible for the specific application.



Certified Company