


Thermoplastic Valves, Inc.

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United States of America

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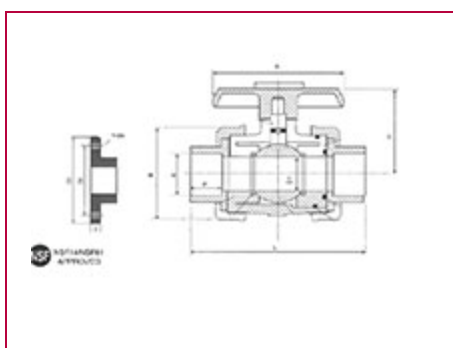
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ITEM # DN-3/4, 3/4 INCH (IN) TRUE UNION TYPE SAFETY BLOCK BALL VALVE

Thermoplastic Ball Valves 1/2" - 4" are designed to safely block full system pressure in either direction to allow on-line system maintenance. Valve stem is of the blow-out proof design.



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Specifications

Brands	TVI
Port Connections	True Union
Flow Coefficient Value (Cv)	30
Torque	45 lb·in 100 psi

ANSI Dimensions

Size	3/4 in
Dimension D1	0.799 in

Dimension D2	2.750 in
Dimension D3	3.875 in
Socket Dimension d	1.050 in
Thread Dimension d	3/4 in
Thread Type (Dimension d)	National Pipe Thread
Dimension e	0.625 in
Dimension n	4 in
Dimension P	1.000 in
Socket Dimension L	4.843 in
Thread Dimension L	4.843 in
Flange Dimension	6.670 in
Dimension A	3.976 in
Dimension T	0.590 in
Dimension H	2.638 in
Dimension B	2.500 in
Working Pressure	235 psi

Material of Construction

Part - Stem

Pcs - 1

Material - Polyvinyl Chloride (PVC), Polypropylene (PP), Chlorinated Polyvinyl Chloride (CPVC), and Polyvinylidene Fluoride (PVDF)

Part - Ball

Pcs - 1

Material - Polyvinyl Chloride (PVC), Polypropylene (PP), Chlorinated Polyvinyl Chloride (CPVC), and Polyvinylidene Fluoride (PVDF)

Materials of Construction¹

Part - Body

Pcs - 1

Material - Polyvinyl Chloride (PVC), Polypropylene (PP), Chlorinated Polyvinyl Chloride (CPVC), and Polyvinylidene Fluoride (PVDF)

Part - Seat Carrier

Pcs - 1

Material - Polyvinyl Chloride (PVC), Polypropylene (PP), Chlorinated Polyvinyl Chloride (CPVC), and Polyvinylidene Fluoride (PVDF)

Part - Union Nut

Pcs - 2

Material - Polyvinyl Chloride (PVC), Polypropylene (PP), Chlorinated Polyvinyl Chloride (CPVC), and Polyvinylidene Fluoride (PVDF)

Part - Handle

Pcs - 1

Material - Acrylonitrile Butadiene Styrene (ABS)

Part - End Connector

Pcs - 2

Material - Polyvinyl Chloride (PVC), Polypropylene (PP), Chlorinated Polyvinyl Chloride (CPVC), and Polyvinylidene Fluoride (PVDF)

Part - Seat

Pcs - 2

Material - Polytetrafluoroethylene (PTFE)

Part - Stem O-Ring

Pcs - 1

Material - Ethylene Propylene Diene Monomer (EPDM), Viton®

Part - Seat Carrier O-Ring

Pcs - 1

Material - Ethylene Propylene Diene Monomer (EPDM), Viton®

Part - Body O-Ring

Pcs - 1

Material - Ethylene Propylene Diene Monomer (EPDM), Viton®

Part - Solid End O-Ring-

Pcs - 1

Material - Ethylene Propylene Diene Monomer (EPDM), Viton®

Part - Flange

Pcs - 2

Material - Polyvinyl Chloride (PVC), Polypropylene (PP), Chlorinated Polyvinyl Chloride (CPVC), and Polyvinylidene Fluoride (PVDF)

Construction

Body/Ball/Stem/End Nuts and Connectors

Polyvinyl Chloride (PVC), Chlorinated Polyvinyl Chloride (CPVC), ASTM D-1784
Polypropylene (PP), ASTM D-4101
Polyvinylidene Fluoride (PVDF), ASTM D-3222

Seat

Polytetrafluoroethylene (PTFE) (Dupont Dow Elastomers)

Seals

Ethylene Propylene Diene Monomer (EPDM)
Fluorocarbon. Viton® (DuPont Dow Elastomers)
Fluorel (3M Corp.)

Manual Lever

Acrylonitrile Butadiene Styrene (ABS), ASTM D-1788

Socket

ASTM - D-2467 (Polyvinyl Chloride (PVC), SCH-80)
ASTM, F-439 (Chlorinated Polyvinyl Chloride (CPVC), SCH-80)

Threaded

ASTM - D-2464 (Polyvinyl Chloride (PVC), SCH-80)
ASTM, F-437 (Chlorinated Polyvinyl Chloride (CPVC), SCH-80)

Flanged

ANSI - B16.5 Class 150

Testing Procedure

Testing Procedure

Testing performed on Polyvinyl Chloride (PVC) material at 73 °F water temperature, non-shock.

Additional Information

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Valve has full port for lowest possible pressure loss. Seats shall be easily adjustable and replaceable. Stem has an internal pressure sealed land to protect stem and stem seal from contaminants. Every valve is fully pressure and cycle tested before leaving the factory.

Note

Note

Both socket and threaded end connectors shall be supplied on all 1/2" - 2" Polyvinyl Chloride (PVC) and Chlorinated Polyvinyl Chloride (CPVC) valves. On 2 1/2" - 4" socket end connectors will be supplied unless otherwise specified.

Valves shall be backed by a full two (2) year guarantee.

Not recommended for compressed air or gas service.

¹ Viton® and Polytetrafluoroethylene (PTFE) are trademarks of DuPont Performance Elastomers.