

OVERVIEW OF TYPES OF INSTRUMENT VALVES & MANIFOLDS

Once performance needs, process conditions, and installation requirements are known, the required instrument valve or manifolds can be selected. The following pages describe the available models and main

characteristics per model. Detailed information and specifications can be found in the datasheets that correspond with the page numbers in the table.

INSTRUMENT VALVES

BDTV910

26 Instrument valve model BDTV910.

BDTV911

29 Instrument valve model BDTV911 has an extended connection on the process side and is specifically designed to mount on flush rings and flush flanges.

BDTV912

32 Instrument valve model BDTV912 has a three port connection.

TWO VALVE MANIFOLDS

BDTM921

36 Manifold model BDTM921 has 1/2" NPT-f x 1/2" NPT-f (process x instrument) connections and a venting bonnet, inclined with 15° angle for easy access by wall mounting. Vent connection is 1/4" NPT-f.

BDTM922

38 Manifold model BDTM922 has 1/2" NPT-f x 1/2" NPT-f (process x instrument) connections. The process connection is on the right side and the instrument connection is on the left side. Vent connection is 1/4" NPT-f.

BDTM923

40 Manifold model BDTM923 has 1/2" NPT-f x 1/2" NPT-f (process x instrument) connections and has the process connection on the bottom and the instrument connection at the top. Vent connection is 1/4" NPT-f.

BDTM924



42 Manifold model BDTM924 has standard 1/2"NPT-m x 1/2"NPT-f (process x instrument) connections. Vent connection is 1/4"NPT-f.

BDTM925



45 Manifold model BDTM925 has 1/2"NPT-f x flanged - IEC 61518 (process x instrument) connections and has the process connection on the front side and the flanged instrument connection on the back side. Vent connection is 1/4"NPT-f.

THREE VALVE MANIFOLDS

BDTM931



48 Manifold model BDTM931 has 1/2"NPT-f x flanged - IEC 61518 (process x instrument) connections. This flanged instrument connection is typically suitable for differential pressure transmitters. The equalizing bonnet is inclined with a 30° angle. No vent connection.

BDTM932



50 Manifold model BDTM932 has 1/2"NPT-f x flanged – 1/2"BSP-f rotating nut (process x instrument) connections. This instrument connection is typically suitable for differential pressure gauges with rotating nuts on the top. Purge connection is 1/4"NPT-f.

BDTM933



52 Manifold model BDTM933 has flanged - IEC 61518 x flanged - IEC 61518 (process x instrument) connections. The process connection is at the bottom and the instrument connection is on the top. Purge connection is 1/4"NPT-f.

BDTM934



54 Manifold model BDTM934 has 1/2"NPT-f x 1/2"NPT-f (process x instrument) connections. The process connection is at the bottom and the instrument connection is on the top. No vent connection.

BDTM935



56 Manifold model BDTM935 has 1/2"NPT-f x 1/2"NPT-f (process x instrument) connections. The process connection is at the bottom and the instrument connection is on the top. Purge connection is 1/4"NPT-f.

BDTM936



58 Manifold model BDTM936 has 1/2"NPT-f x flanged - IEC 61518 (process x instrument) connections. The process connection is at the bottom and the flanged instrument connection is on top. Purge connection is 1/4"NPT-f.

FIVE VALVE MANIFOLDS

BDTM951



62 Manifold model BDTM951 has 1/2" NPT-f x 1/2" NPT-f (process x instrument) connections. The process connection is at the bottom and the instrument connection at the top. Vent connection is 1/4" NPT-f.

BDTM952



64 Manifold model BDTM952 has 1/2" NPT-f x 1/2" NPT-f (process x instrument) connections. The process connection is at the bottom and the instrument connection is on the top. Vent connection is 1/4" NPT-f.

BDTM953



66 Manifold model BDTM953 has 1/2" NPT-f x flanged - 1/2" BSP-f rotating nut (process x instrument) connections. This instrument connection is typically suitable for differential pressure gauges with rotating nuts on the top. Vent connection is 1/4" NPT-f.

BDTM954



68 Manifold model BDTM954 has 1/2" NPT-f x 1/2" NPT-f (process x instrument) connections. The process connection is at the bottom and the instrument connection is on the top. Vent connection is 1/4" NPT-f. Purge connection is 1/4" NPT-f.

BDTM955



70 Manifold model BDTM955 has 1/2" NPT-f x flanged - IEC 61518 (process x instrument) connections. The process connection is on the front side and the flanged instrument connection is on the back side. Vent connection is 1/4" NPT-f.

BDTM956



72 Manifold model BDTM956 has 1/2" NPT-f x flanged - IEC 61518 (process x instrument) connections. The process connection is at the bottom and the instrument connection is on the top. The isolating bonnets are inclined with a 25° angle. Vent connection is 1/4" NPT-f.

BDTM957



74 Manifold model BDTM957 has 1/2" NPT-f x flanged - IEC 61518 (process x instrument) connections. The process connection is at the bottom and the instrument connection is on the top. Vent connection is 1/4" NPT-f.

BDTM958



76 Manifold model BDTM958 has flanged - IEC 61518 x flanged - IEC 61518 (process x instrument) connections. The flanged process connection is at the bottom and the flanged instrument connection is on the top. Vent connection is 1/4" NPT-f.

ACCESSORIES

Mounting
Bracket



80 Badotherm supplies different types of manifolds. For easy installation of the manifold in the process environment specific mounting brackets can be ordered.

Assembly
Kit



82 Badotherm supplies different types of manifolds. For easy mounting of the manifold to the pressure instrument special assembly kits can be ordered.



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