The double block and bleed method of creating an aseptic barrier between two processes is widely utilized in the Bioprocessing industry. Traditionally three standard valves would be fabricated into the double block and bleed configuration. The Block and Bleed Drain (BBD) and Block and Bleed Vent (BBV) valves integrate these three valves into one compact block, minimizing hold up volumes and enhancing cleanability. The compact design allows for greater valve density and flexible system design.

Typical Applications

• Create steam block, isolate and clean chamber for aseptic barrier
• Block line flow for the purpose of draining the line or filling from an auxiliary source

Specifications

Standard Sizes:
• 0.5” - 2” (DN15 - 50)
• Other sizes available upon request

Materials:
• 316L ASTM - A479
• DIN 177440, 1.4435
• Other materials available upon request

Standard End Connections:
• 14, 16, 18, 20 Gauge OD tubing
• DIN/ISO
• Tri-Clover Tri-Clamp®
• Others available upon request

Compatible with standard Pure-Flo topworks: See PFTOP for details on available manual bonnets or actuator.

Flow Path

Block & Bleed
Code: BBD

Block & Bleed
Code: BBV

Block & Bleed with
Optional Vent Port

BBD

BBV
How to Order a Block and Bleed

1.5" Block and Bleed, wrought stainless steel, Tri-Clamp ends, 25 Ra interior finish, standard exterior finish (Scotch Brite).

Figure Number: BBD-1.5-419-W-6-1-06-1-0

<table>
<thead>
<tr>
<th>Configuration Example</th>
<th>BBD</th>
<th>1.5</th>
<th>419</th>
<th>W</th>
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¹ For .5 inch valve, must specify Pure-Flo (PF) or Bio-Tek (BT).
² Contact the factory for additional options for discrete end connection selections.
To add topworks, see BBTOP. For additional figure numbers, see PFORD.

Please contact ITT Engineered Valves for the latest drawing and dimensional information. The above drawing should only be used as a general reference.