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3-Piece Ball Valves... Service Problems Solved.

Most ball valves used in commercial applications are 2- or 3-piece valves. Two-piece ball valves are constructed with two separate pieces, with the connection between them being either threaded together or a bolt-and-flange assembly. Once installed, 2-piece



valves typically cannot be repaired unless they are removed from service.

As the name suggests, 3-piece ball valves consist of three pieces – two end caps and a body. The three pieces are usually connected by some version of a bolt fastening system. The end caps are threaded, soldered/brazed, welded or pressed to connect the valve to the pipe on either side.

If the valve needs to be welded or soldered in place, the 3-piece configuration provides the added benefit of isolating the body (with all of the trim and packing) away from the heat source during welding, ensuring the internals stay intact.



The choice between 2-piece and 3-piece is typically based on the service. Some processes put heavy demands on valves. In these situations, maintenance concerns make a 3-piece valve more convenient than the 2-piece alternative. If and when seats and seals need to be replaced, the 3-piece version allows for easy and routine disassembly, service and reassembly,

without having to cut the valve out of the system. Three-piece ball valves also allow for elastomers to be changed to accommodate different process conditions, temperatures, pressures and flows.



The purchase price of 3-piece valves is initially higher than the 2-piece counterpart, but the 3-piece can generate great savings in the long run in terms of the ability to change seats and seals vs. replacing the valve in its entirety each time.

For more information on Milwaukee Valve's 3-Piece Ball Valves, visit the 3-piece ball valve section on our website by clicking [HERE](#), or contact your Milwaukee Valve customer service rep today. A complete listing, by territory, can be searched at our website, at www.MilwaukeeValve.com/Find-Sales-Rep/.



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