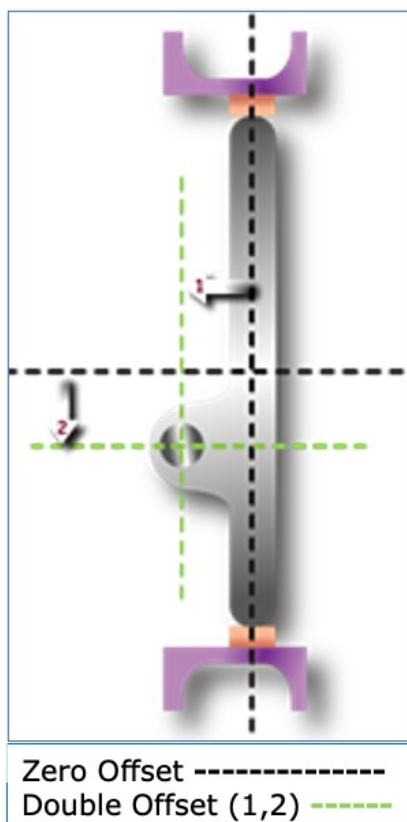


April 2, 2025

Why Double Offset Butterfly Valves?

Last week, we covered the Zero Offset (or Concentric) Butterfly Valve design. This week let's look at the Double Offset, which is the design utilized in Milwaukee Valve's HP high-performance butterfly valves. This valve stem has **two** offsets from the center, creating a cam action during the valve's movement process.

- 1st offset: The axis of the shaft is behind the centerline of the sealing point of the disc to seat.
- 2nd offset: The axis of the shaft is eccentric to the center of the valve/pipeline.



Double offset butterfly valves are often preferred over single offset because their design enhances sealing performance, reduces wear, and minimizes flow turbulence, leading to a tighter shutoff and longer lifespan.

Applications for the double offset butterfly valve includes:

- Power Generation
- Pulp and Paper
- HVAC
- Chemical
- Oil and Gas
- Water and Wastewater Treatment
- Shipbuilding

Double offset butterfly valves are available in higher pressures than the zero-offset style. The double offset is typically rated up to ANSI Class 600 rating in carbon steel, stainless steel, Hastelloy and other body materials, with variations of Teflon and UHMWPE seats.

Find the best butterfly valves for your application. For more information, visit our [**Butterfly Valves**](#) products page on the Milwaukee Valve website. For assistance with a specific problem, contact your [**Milwaukee Valve sales representative**](#). Their experience and industry knowledge will simplify finding a solution to your product and application requirements. You can see our entire line at [**www.MilwaukeeValve.com**](http://www.MilwaukeeValve.com).



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