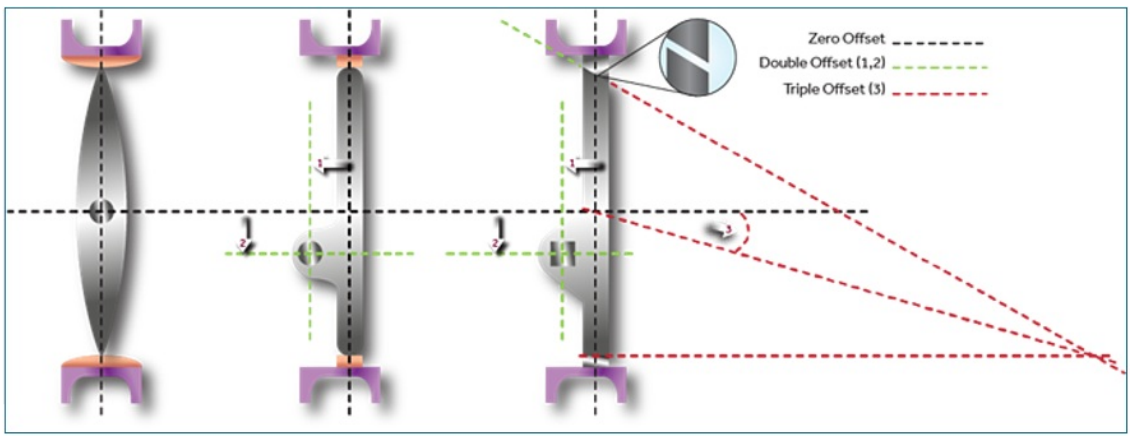
The More You Know

March 26, 2025

What's Different About Zero, Double and Triple Offset Butterfly Valves?

Since you are reading this newsletter, you are aware of butterfly valves and likely understand some of the differences between butterfly types. Choosing the wrong butterfly can be a big problem. Over the next few weeks, we will shed additional light on the differences between the three primary types found in conventional commercial and industrial construction… the zero offset, the double offset, and the triple offset.



Zero Offset

We'll start with the most familiar. Also known as a concentric design, the **zero offset** is common in general service "resilient seated" or "rubber seated" butterfly valves. The stem and disc are centered in the seat of the valve, which are centered in the body of the valve. The disc is in constant contact with the seat.

One advantage of the zero offset is that the media flowing through the valve does not contact the body, since the seat is constructed as a sleeve or cartridge inside of the body. Zero offset butterfly valves are used in basic and specialty liquid and gas applications up to 200 PSI and up to 400 deg F. The zero offset butterfly valve can handle chemicals, coatings, food, some solids, and some applications with abrasive media.

For the most part, the zero offset butterfly valve is available in cast and malleable iron, epoxy-coated cast iron and stainless steel with multiple seat materials such as Buna, EPDM, VITON, Teflon, Natural Rubber and others.

Let us help you 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**.

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