

## High-Performance vs. Resilient Butterfly Valves

On occasion, inquiries come in to our customer service department, asking what are the factors that determine which style of butterfly to use when choosing between resilient (rubber-lined) and high-performance butterflies.

When service conditions require higher operating pressures and temperatures, such as hot water/steam or use in high-rise building structures where the weight of the water column exceeds the pressure capabilities of resilient-seated valves, high-performance butterfly valves are typically specified over rubber-lined butterflies.



*High-performance butterfly valve from Milwaukee Valve*

The specific advantages of a high-performance butterfly valve are its pressure/temperature design features. High-performance butterflies are usually manufactured from cast steel or cast stainless material, enabling the valve to handle the higher operating pressures and temperatures found in demanding applications. For applications up to 400° F and 740 PSIG, the seat of the high-performance butterfly valve is usually PTFE/RPTFE with a CF8M stainless steel disc and stem.



*Resilient-seated butterfly valves from Milwaukee Valve*

On the other hand, rubber-lined butterfly valves are

usually made with cast iron or a ductile iron body. Seat material is chosen based on the media and temperature, but the design limitations are usually 200 PSIG with a maximum temperature rating of 300° F. Milwaukee Valve offer a **variety of configurations** to best fit your service needs. Watch Brian Isaac, Industrial Product Manager for Milwaukee Valve, as he offers more information on the similarities and differences of high-performance and rubber-lined butterfly valves.



When considering service cycle and life expectancy, the high-performance style of butterfly will typically outlast rubber-lined butterflies in demanding services of today's HVAC systems. Call today and let us help you find the best butterfly valve for your application, or see our entire line at [www.MilwaukeeValve.com](http://www.MilwaukeeValve.com).



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