The More You Know

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Which Butterfly Valve Is Right For You?

Your application calls for a butterfly valve. But what type? And how do you make the right call? Resilient (Rubber) lined or High Performance?

Well, there are several issues to consider and questions to be answered. What is the highest or lowest temperature that the valve needs to endure? How much pressure is the system under? What is the fluid that the valve is going to control? Is steam involved? How about any petroleum or by-products? The answers to these questions will help you determine if you need a general service resilient-lined, or high-performance butterfly valve.

When to use a Resilient Butterfly Valve?

Resilient-Seated Butterfly Valves from Milwaukee Valve

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 offers a variety of configurations to best fit your service needs.

These butterfly valves are ideal for use in numerous industrial and commercial applications, including the control of air, water, and other inert gases.

Rubber-lined butterfly valves are designed for operation in general purpose applications. Supplied with a 10-position locking handle or manual gear operator, these

can also be automated with an air or electric actuator, providing consistent on/off, throttling, and isolation control.

When is a High-Performance Butterfly Valve called for?

High-Performance Butterfly Valve from Milwaukee Valve

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. 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.

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.

Let us help you find the best butterfly valve for your application. For more information on Milwaukee Valve butterfly valves, visit our **Butterfly** 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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