

Wafer butterfly valve suppliers in Saudi Arabia

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Wafer butterfly valves are a type of quarter-turn valve that controls the flow of fluids by employing a circular disc or vane positioned at a right angle to the flow. The disc is mounted on a spindle, and when the valve is fully open, the disc is parallel to the flow, allowing for minimal obstruction. The wafer design refers to the valve's slim profile, making it easy to install between flanges without the need for additional support.

Key Features of Wafer Butterfly Valves:

- a. Compact Design: One of the defining characteristics of wafer butterfly valves is their compact and lightweight design. This feature makes them easy to install and well-suited for applications where space is limited. The compactness also contributes to the cost-effectiveness of these valves.
- b. Cost-Effectiveness: Wafer butterfly valves are known for their cost-effectiveness, both in terms of initial investment and ongoing maintenance. The simplified design and reduced material requirements make them an economical choice for various industries without compromising performance.
- c. Versatility: These valves find applications in a wide range of industries, including water treatment, HVAC systems, chemical processing, and more. Their versatility stems from the ability to handle diverse fluids and withstand varying temperature and pressure conditions.

Fluid Control Efficiency:

- a. Quick Operation: Wafer butterfly valves are praised for their quick quarter-turn operation, allowing for rapid adjustments in fluid flow. This attribute enhances the overall efficiency of fluid control systems, particularly in applications where timely response is critical.
- b. Minimal Pressure Drop: The streamlined design of wafer butterfly valves minimizes pressure drop across the valve, ensuring that the energy required to move fluids through the system is optimized. This efficiency is especially important in systems where energy conservation is a priority.
- c. Tight Shut-Off: Achieving a tight shut-off is crucial in preventing leakage and maintaining system integrity. Wafer butterfly valves, when properly installed, offer a reliable sealing mechanism, contributing to enhanced fluid control efficiency.

[Wafer Butterfly Valve Suppliers in Saudi Arabia](#) cater to situations where space and cost factors are crucial, and where achieving a perfect seal or precise flow control is not of paramount importance.

Advantages of wafer butterfly valve:

1. Compact size
2. Low cost

3. Ease of installation
4. Simple design
5. Quick opening and closing
6. Good flow control
7. Low pressure drop
8. Resistance to corrosion

Industries of wafer butterfly valve:

1. Water treatment
2. Chemical
3. Oil and gas
4. Petrochemical
5. Power generation
6. Plumbing

Description:

Body materials: Cast iron, Carbon steel, Ductile iron, SS304, SS316

Class: 150 to 300, PN6 to PN40.

Size: 2"-72".

End: wafer.

Operation: lever operated, Gear Operated, electric actuated, pneumatic actuated.

Disc: Carbon steel, Cast iron, Ductile iron, SS304, SS316

Visit us: <https://www.middleeastvalve.com/product-category/wafer-butterfly-valve/>

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