



Double Eccentric Butterfly Valves



ACHEM Double Eccentric Butterfly Valves

Sizes: 4" - 72"

Flange 150LB/MSS SP44 Class 150LB AWWA C007

Design EN593/API609/BS5155

Mounting Flange: ISO 5211

Testing Standards: API598 ISO5208 EN12266-1

Description

Double eccentric butterfly valves are commonly used in underground water supply systems as a more cost-effective alternative to gate valves. When installed below ground, they require a shallower burial depth, and they are typically more affordable, particularly in larger sizes, compared to gate valves. They can also be used in above-ground installations.

1 : Precision-Machined Stainless Steel Seat Ring: The stainless steel seat ring, with its specially designed rubber sealing profile, ensures a reliable tight shut-off seal, making the valve ideal for flow isolation and shut-off duties.



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2 : Double Offset Disc Design: This design minimizes seat wear and provides superior throttling performance, enhancing the valve's versatility in flow control applications.

3 : Adjustable Mechanical Stopper: The valve body is equipped with an adjustable mechanical stopper, ensuring precise disc closure without over or under travel, guaranteeing consistent operation.

4 : Blowout-Proof Shafts: Both the drive and non-drive end shafts are fully blowout-proof and are guided by self-lubricating bush bearings for added durability and safety.

5 : Axial Thrust Bearing: The axial thrust bearing ensures precise disc positioning, preventing uneven load distribution on the valve seat. It also allows for valve installation in any required orientation.

6 : Special Shaft Sealing Arrangement: This sealing arrangement ensures zero fugitive emissions and allows for the field replacement of shaft sealing elements, ensuring long-term performance and minimal environmental impact.

7 : Field-Replaceable Seat on the Disc: The seat on the disc is fully replaceable in the field, ensuring optimal seating and reseating torque for a reliable seal throughout the valve's life.

8 : Versatile Seat Material Options: A variety of seat materials are available, making the valve suitable for both gas and liquid services across a wide range of applications.



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