

DISC SEAL BUTTERFLY VALVES

Seal on Disc Valve

DN150 - DN2200 (6" – 84")

Leeds Valve are world leaders in the manufacture and supply of butterfly valve solutions for niche applications in many diverse industries including oil and gas, LNG, power generation, industrial gas and naval marine, in materials from carbon steel to aluminium bronze, stainless steel and titanium.

Description

The Leeds Valve "Disc Seal" is an extension of its well proven high performance butterfly valve range. Used predominately at lower pressures and temperatures it presents an economic alternative to the standard PTFE body seated valves particularly in larger sizes above 24" (600mm).

The disc seal design is the AWWA preferred construction for tight shut off valves.

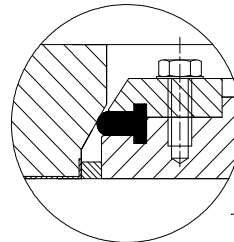
Seal on disc design incorporates an offset disc with the shaft located beyond the plane of the valve seat. This allows the seal to be a full 360°, uninterrupted by the shaft.

Contact with the mating stainless steel inset seat ring in the body is minimized until closure, reducing wear and extending the life of the rubber seat.

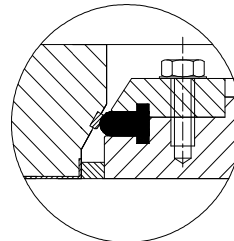
On water service there is often some presence of solid materials and these will impinge on the disc more severely than on the body. As rubber has a better resistance to abrasion than metals it can be advantages to have the rubber seat on the disc.

Ease of maintenance is critical on some services and the seat of the "Disc Seal" valve is readily removed, adjusted or replaced with standard tools.

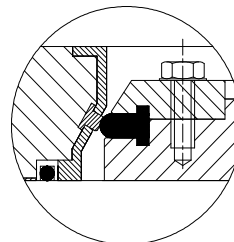
Available in sizes 6" to 84" and as wafer, lugged and double flanged the "Disc Seal" conforms generally to the requirements of AWWA Standard C504.



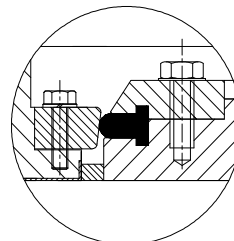
Body Style 'A'



Body Style 'B'



Body Style 'C'



Body Style 'D'

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A major benefit of the "Disc Seal" butterfly valve is its variations of corresponding body designs which are available; each design is suited to a specific application.

- Body Style 'A';
The disc seal mates with the machined body. (Duplex, stainless or aluminium bronze)
- Body Style 'B';
A welded or coated region within the body sealing area. (Ductile Iron, stainless weld overlay)
- Body Style 'C';
The body can be fully lined and have a different seat insert. (Various linings or coatings are available, depending on the media)
- Body Style 'D';
The body seat is completely removable. (Suited to larger valves and abrasive Medias)

All dimensions / weights are approximate. The information on this data sheet is accurate to the best of Leeds Valve's knowledge; however we reserve the right to alter the product specification at any time.