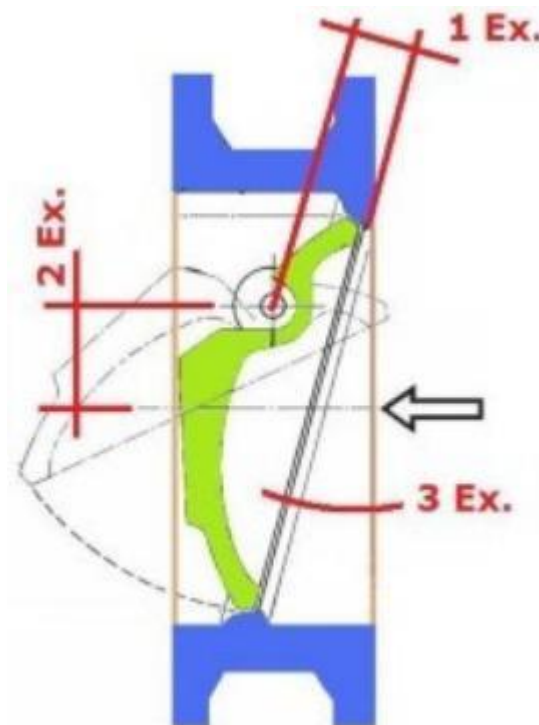




Description

Tilting disc valves are designed with triple eccentric structure, which are high quality, high efficiency, and energy-saving and environmental protection products.





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PRODUCT - CHECK VALVE

Tilting Disc Check Valve

First eccentric: It is the offset between the shaft and the seat plane. This eccentricity removes any interference of the seat with the shaft and therefore the seat has an integral and continuous construction both in the body and disc, and potential leakage can be avoided.

Double eccentric: It is the offset between the shaft and the disc diameter. This eccentricity works when reverse comes or normal flow pressure is so low than it can't make enough force to hold the closing torque caused by the weight of the disc.

Triple eccentric: It is the angle of tilting of the seat plane with the normal plane of the pipe. This tilting reduce the stroke of the disc, therefore it could close faster at backflow.

Furthermore of geometry and weight of the disc, in some cases other elements can optimize the closing sequence. Springs can be used in order to increase the speed of the disc closure before reverse flow starts. In the other side, when reverse flow is a reality but the valve still not close at all a slow closure can avoid slam over the valve.