



YINKE VALVE
FLOW CONTROL

Class 2500 Tilting Disc Check Valve

Class 2500 Tilting Disc Check Valve is configured for very high-pressure critical isolation. Available materials, end connections, operation and inspection options can be matched to the project specification.

Technical Specification

Pressure Class	ASME Class 2500
Design Standard	API 594 / ASME B16.34
Size Range	2–48 in
Body Materials	WCB, LCC, CF8M, Duplex 2205, Alloy Steel
Connections	Wafer, RF, RTJ, BW
Application Focus	Lower pressure drop and fast closure in demanding process or pipeline systems

Selection Notes

Class 2500 is used for very high-pressure critical isolation. Requires the most disciplined rfq package in this structure; incomplete service data can lead to major design changes. For this valve design, buyers should also review disc motion, hinge or spring behavior, closure response and seat design.

Materials

Typical project materials include WCB, LCC, CF8M, Duplex 2205, Alloy Steel. The correct grade depends on corrosion, minimum and maximum design temperature, toughness, hardness limits and the project material specification.

End Connections

Rtj or bw are commonly considered, but the project piping class is the governing document. Available connection families for this product include Wafer, RF, RTJ, BW.

Testing & Documentation

Define nde, material verification, pressure-test acceptance, documentation and witness points in the itp before production.

RFQ Information

• Valve type and nominal size	• Pressure class / rating
• Body and trim material	• End connection / facing
• Operation or actuator	• Service fluid and design temperature
• Quantity and delivery requirement	• Inspection, testing and document requirements

For quotation, send the valve list, datasheet or project specification together with the required quantity and delivery location.