



YINKE VALVE
FLOW CONTROL

Class 900 Tilting Disc Check Valve

Class 900 Tilting Disc Check Valve is configured for high-pressure process and pipeline service. Available materials, end connections, operation and inspection options can be matched to the project specification.

Technical Specification

Pressure Class	ASME Class 900
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 900 is used for high-pressure process and pipeline service. Typically needs more engineering review than lower classes because end connections, actuation and inspection can change materially. 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 and bw become more common in demanding piping classes, although final selection must follow the line specification. Available connection families for this product include Wafer, RF, RTJ, BW.

Testing & Documentation

Agree project itp, traceability, pressure testing and specified nde before manufacture.

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.