



YINKE VALVE
FLOW CONTROL

API 594 Cast Steel Check Valves

API 594 Cast Steel Check Valves are configured for automatic backflow prevention in process and utility piping. Buyers can compare pressure class, size, materials, end connections and operation, then match the valve to the piping class and service conditions.

Technical Specification

Design Standard	API 594 / ASME B16.34
Size Range	2-48 in
Pressure Classes	Class 150, Class 300, Class 600, Class 900, Class 1500, Class 2500
Body Materials	WCB, LCC, CF8M, WC6, WC9
End Connections	RF, RTJ, BW
Operation	Manual, gear or actuated where applicable

Selection Notes

Start with the piping class and service conditions, then review disc motion, hinge or spring behavior, closure response and seat design. For quotation, include orientation, flow direction, allowable pressure drop, closure behavior, body material and end connection.

Materials

Typical project material options include WCB, LCC, CF8M, WC6, WC9. Final material selection should follow corrosion conditions, design temperature, toughness requirements and the approved material specification.

End Connections

Available connection families include RF, RTJ, BW. The final facing or weld preparation must match the piping class and approved drawing.

Testing & Documentation

Confirm the required pressure test standard, material certificates, PMI or NDE scope, dimensional inspection, coating records and final document package 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.