



YINKE VALVE
FLOW CONTROL

Class 900 Pressure Balanced Plug Valve

Class 900 Pressure Balanced Plug 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 599 / ASME B16.34
Size Range	2-24 in
Body Materials	WCB, LCC, CF8M, Alloy Steel
Connections	RF, RTJ, BW
Application Focus	Higher-pressure isolation where pressure balancing helps manage operating torque

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 plug geometry, lubrication/sleeve system, pressure balancing and port arrangement.

Materials

Typical project materials include WCB, LCC, CF8M, 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 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.