



YINKE VALVE
FLOW CONTROL

Class 600 Pressure Balanced Plug Valve

Class 600 Pressure Balanced Plug Valve is configured for higher-pressure refinery, oil & gas, petrochemical and power service. Available materials, end connections, operation and inspection options can be matched to the project specification.

Technical Specification

Pressure Class	ASME Class 600
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 600 is used for higher-pressure refinery, oil & gas, petrochemical and power service. Often used in critical process lines where construction, end connection and documentation need closer review. 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

Rf, rtj and bw can all be relevant; the piping class should decide the final end connection. Available connection families for this product include RF, RTJ, BW.

Testing & Documentation

Pressure testing, traceability and inspection records are especially important for project approval.

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.