



**YINKE VALVE**  
FLOW CONTROL

## Pressure Balanced Plug Valves

Pressure Balanced Plug Valves are configured for higher-pressure isolation where pressure balancing helps manage operating torque. Buyers can compare pressure class, size, materials, end connections and operation, then match the valve to the piping class and service conditions.

### Technical Specification

|                         |                                                        |
|-------------------------|--------------------------------------------------------|
| <b>Design Standard</b>  | API 599 / ASME B16.34                                  |
| <b>Size Range</b>       | 2-24 in                                                |
| <b>Pressure Classes</b> | Class 150, Class 300, Class 600, Class 900, Class 1500 |
| <b>Body Materials</b>   | WCB, LCC, CF8M, Alloy Steel                            |
| <b>End Connections</b>  | RF, RTJ, BW                                            |
| <b>Operation</b>        | Manual, gear or actuated where applicable              |

### Selection Notes

Start with the piping class and service conditions, then review plug geometry, lubrication/sleeve system, pressure balancing and port arrangement. For quotation, include plug design, port arrangement, lubrication/sleeve, material, end connection and operating method.

### Materials

Typical project material options include WCB, LCC, CF8M, Alloy Steel. 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.