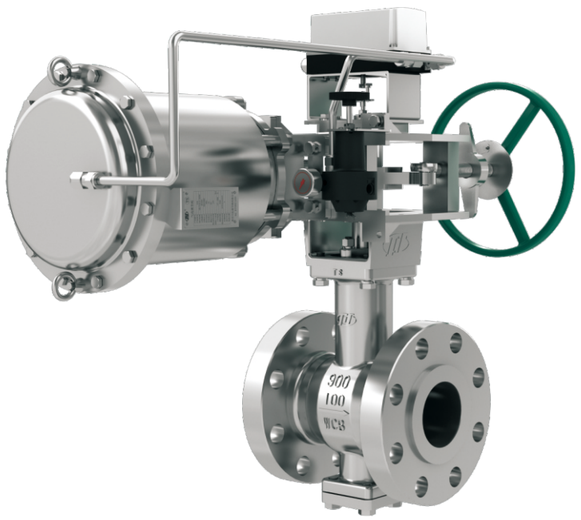
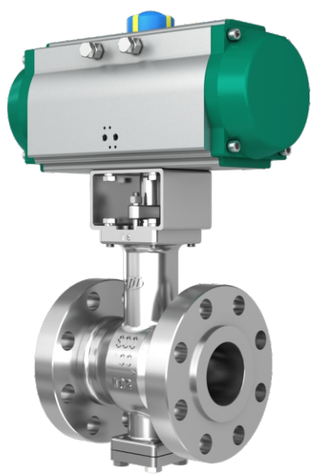
# Eccentric Rotary Valve

VFR eccentric rotary valve is a regulating valve with structure and process continuously optimized based on the advanced technology introduced from Azbil. The valve is designed with an eccentric structure to enable the movement of ball core and valve seat without friction before closing, effectively reducing the wear of parts and the operating torque and extending the service life. The valve is widely used in industries like petroleum, metallurgy, power station and chemical industry. It is especially suitable for regulating medium with high viscosity, large particles and strong erosion, including black water, grey water, viscous oil and residual oil.

## ■ Technical data

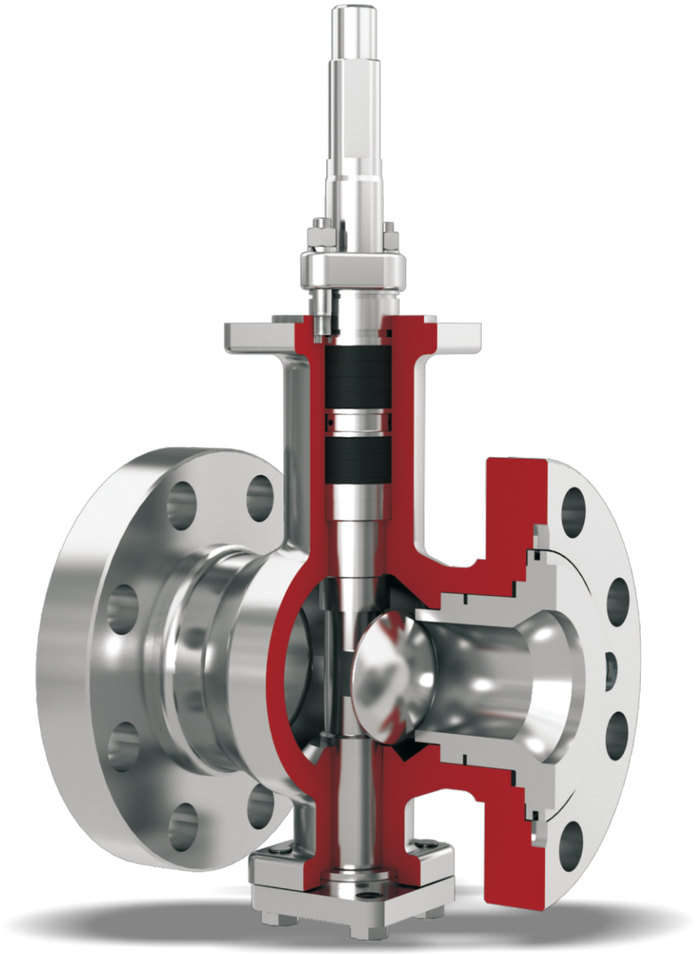
Pressure rating: Class150 ~ Class 900
Nominal size: DN25 ~ DN400
Temperature range: –45℃ ~ +400℃
Leakage level: ANSI IV, V
Rated Travel: 60° , 90°
Flow characteristic: approximate linearization



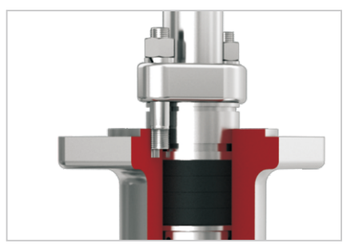



川仪调节阀
SIC CONTROL VALVE

## ■ Schematic Drawing

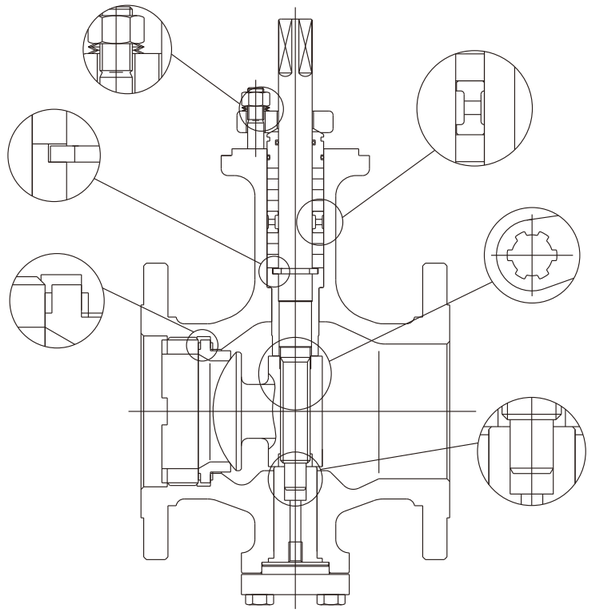








## Structural Features



1 The valve has the following structural features: compact structure, small operating torque, simple and smooth flow paths, small flow resistance, large flow capacity, wide

2 The valve is of an eccentric structure. The rotation center of the stem deviates from the center of gyration of the ball core, and the rotation center of the stem deviates from the center of the flow passage of the valve body, enabling the ball core and the valve seat to move without friction before closing, reducing the wear of parts and extending the service life.

3 The valve body and internals can be hardened by surface spray welding, spraying, overlaying or sintering, etc., so as to enhance the resistance to high pressure, wear and scouring of the valve and extend the service life.

4 With an integral stem structure, it poses a high requirement for the coaxiality of upper and lower guides. In addition, it features spline connection, enabling strong bearing capacity, high allowable differential pressure and good adjustment accuracy.

5 The valve seat retaining ring is connected with the valve body by thread. The compact structure facilitates installation and offers a good sealing performance.

6 The packing structure with low fugitive emission prevents medium leakage, meeting the requirements of reliable valve sealing.

川仪调节阀
SIC CONTROL VALVE