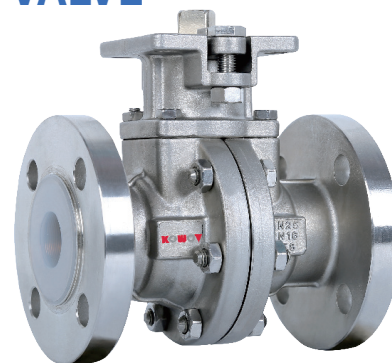


FCCV3 INNER F-LINED CERAMIC BALL VALVE

PTFE (Teflon) is one of the most corrosion-resistant materials, but over time, it tends to age and lose its sealing effectiveness, leading to multiple valve issues. By replacing the PTFE-lined ball core with structural ceramic, the valve's sealing performance and lifespan can be significantly extended, making it suitable for highly corrosive, low-temperature, and low-pressure conditions without particulate media.



Structural characteristics

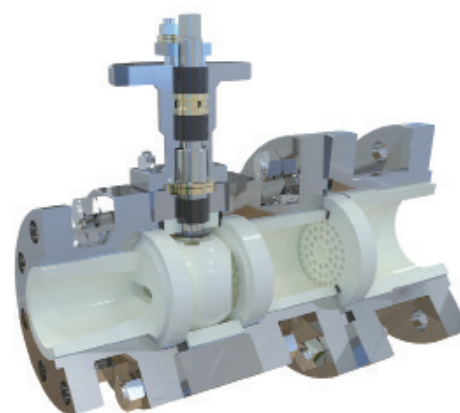
- Flat + concave-convex surface seal between valve body pieces for excellent sealing and leak prevention.
- Abundant packing with metal spring for automatic compensation, ensuring optimal sealing.
- Valve seat uses surface seal.
- Valve body cavity has multiple dovetail grooves, multi-sided valve stem, and multi-hole ball design.
- Split structure with small cavity to prevent material accumulation.

Main technical parameters

Structural form	Floating Ball
Flange standard	ASME B16.5/HG/DIN/JIS
Nominal Path	DN15~DN200
Nominal pressure	PN10~PN16/ANSI 150Lb
Service temperature	-40°C~150°C

FCCV4 ANTI-DEFLECTION CERAMIC BALL VALVE

The anti-bias flow ceramic ball valve is suitable for flow regulation or primary pressure relief under high differential pressure conditions. It reduces valve erosion, vibration, and noise to below specified levels while meeting the medium's scouring and cavitation requirements.



Structural characteristics

- Anti-bias flow prevents severe erosion at small openings.
- Vibration reduction minimizes vibrations from "water hammer effect" near elbows.
- Noise reduction customizable for single or multi-stage noise reduction to meet standards.
- Pressure reduction customizable to meet on-site requirements.

Main technical parameters

Structural form	Floating Ball or Fixed Ball
Flange standard	DIN/ANSI/API/HG
Nominal Path	DN25~DN250
Nominal pressure	PN10~PN150/150Lb~900Lb
Service temperature	-40°C~456°C