

FCCV5 HIGH TEMPERATURE & HIGH PRESSURE CERAMIC BALL VALVE

Specifically developed for conditions with high temperatures, high pressures, and fast-flowing media containing solid particles, it is suitable for applications involving severe wear and corrosive media under high temperature, high pressure, and high differential pressure conditions.

Structural characteristics

- Extra-large ceramic ball, doubling the ball strength;
- Scraper-type valve seat with a wide sealing surface, ensuring reliable and long-lasting seal;
- All hard-sealing surfaces with no graphite or PTFE non-metallic materials;
- Dovetail groove sealing structure with wide spiral wound gasket, ensuring zero leakage of the housing seal under pipeline stress or cyclic thermal stress;
- Packing box equipped with a "live load" that maintains a constant load even under significant wear, ensuring long packing life.



**Hot Assembly
Process**

**Triple packing
seal**

**Blowout-
proof stem**

**Tenon seal
structure**

**High Platform
structure**

**All-ceramic
flow passage**

Main technical parameters

Structural form	Floating Ball or Fixed Ball
Flange standard	ASME B16.5/HG/DIN/JIS
Nominal Path	DN15~DN300
Nominal pressure	PN63~PN150/300Lb~900Lb
Service temperature	-40°C~456°C

