

V Series

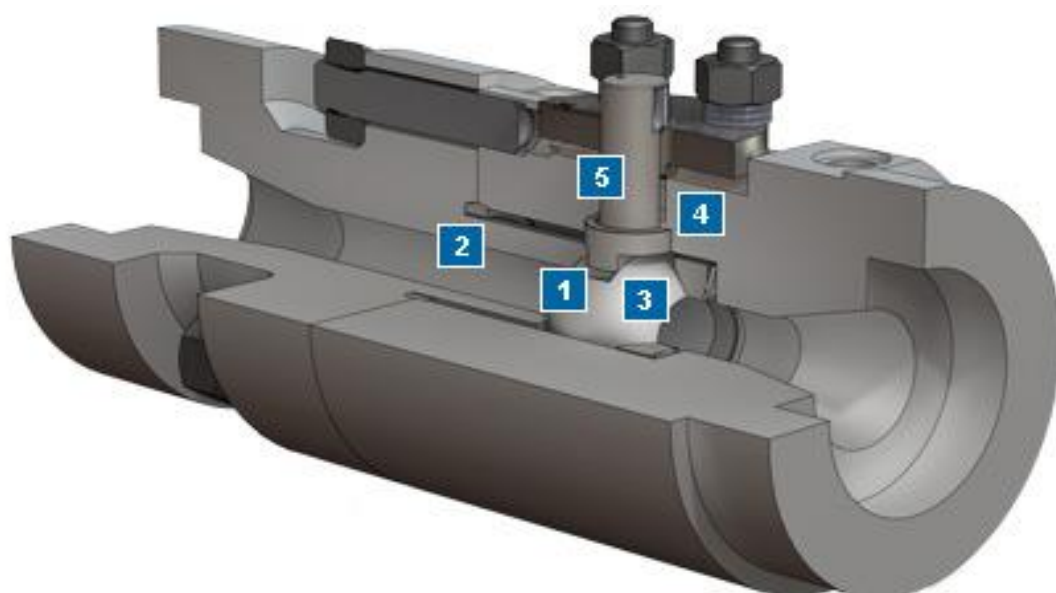
The Flagship of the ValvTechnologies Product Line.

V1-1

Forged, High Pressure Valves.

Four Year, Zero-Leakage Guarantee.

- ANSI/ASME Class 900 - 4500
- 1/4" - 4"



Longer Service Life means reliable, maintenance-free operation and a four-year leakage guarantee: This is just the start of what you get with ValvTechnologies' seat supported severe service metal seated ball valves. The V1 Series' proven seat design provides improved performance, far beyond the capability of linear operated valves which feature obstructed and torturous flow paths. V1 Series are engineered to be leak free, maximize flow and reduce the overall cost of ownership. Our design and construction also deliver the extra safety margin so crucial to maintaining productivity.

1 Integral Metal Seat.

With our patented HVOF RiTech® coating technology, the integral seat in ValvTechnologies' valves is resistant to the attack of abrasive magnetite and ferrous oxides that may be seen in the steam flow.

2 Body Seal Ring.

ValvTechnologies employs a field proven seal ring technology to ensure sealing under all operating conditions, up to 1400° F. The body seal ring is loaded at a pressure higher than 20,000 psi. In addition, valves sized 3" and above contain a secondary Grafoil® seal to further guarantee reliability.

3 Patented Coating Process.

The sealing surfaces are overlaid with tungsten or chromium carbide using our HVOF RiTech® coating process. These surfaces have a hardness of 68 - 72 Rc to provide uninterrupted operation in the most severe conditions.

4 Live-loaded Gland Area.

The V Series' gland packing design features a four stud, live-loaded assembly designed for heavy industrial applications. The packing material is high purity Grafoil® surrounded by carbon fiber / inconel anti-extrusion rings. The six Bellville® springs (per stud) provide constant load pressure through extreme thermal shocks and prevent wear leaks in high-cycle service.

5 Blow-out Proof Stem.

ValvTechnologies' design utilizes a one piece, hard-faced, blow-out proof stem that is inserted through the inside of the body cavity eliminating the possibility of blow-out through the gland area. There are no pins, collars or other devices used to retain the stem in the valve body.