

The V1-R:

The trusted V Series valve, is now field serviceable.

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.

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. No pins, collars, or other devices are used to retain the stem in the valve body.

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 of only 900-4500 psi ANSI class, and will be limited to 2-1/8" bore and smaller.

3 Patented Coating Process

The sealing surfaces are overlaid with tungsten or chromium carbide using our HVOF RiTech® coating process. These surfaces have a 68-72 Rc hardness 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.

