Our unique **Flexible Seal Seat™** assures bubble-tight performance.

The Kepner **Flexible Seal Seat™** design offers positive leakage control of liquid or gas. The seat design is a carefully engineered combination of metal-to-metal and resilient O-Ring seal contact. The O-Ring is securely retained at the seat rather than on the poppet, protecting it from the destructive abrading and blasting effect of the flow; seal life is extended. Seat “wire drawing” common to conventional valves has been eliminated by the **Flexible Seal Seat™** design. The seal closes around scratches, dents, and other irregularities and effectively prevents any leakage past the seat. A wide choice of O-Ring seal elastomers is offered for system compatibility. The **Flexible Seal Seat™** design is available in check, relief, shuttle, and pilot operated check valves, and has been successfully applied to millions of fluid control situations.

**CLOSED:**
- Relaxed O-Ring seal and gentle seal-to-poppet contact guarantees low pressure sealing and eliminates valve chatter.

**OPEN:**
- Seal flexes to close off all external leakage around end cap.
- Enclosure protects O-Ring seal, prevents seal displacement.

**CLOSED:**
- Seal still holding external leakage now also flexes around poppet.
- Higher pressures tighten the seal. Bubble-tight shutoff.

- **LEAK TIGHT SEALING**
- **POSITIVE ACTION EVEN AT LOW PRESSURE**
- **FREEDOM FROM CHATTER**

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