

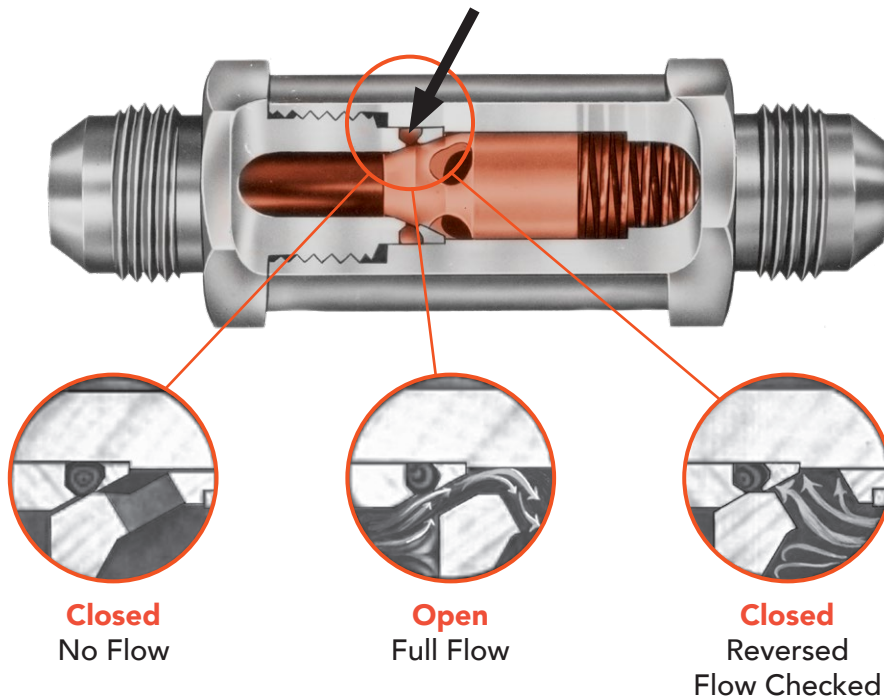


# KEPNER

PRODUCTS COMPANY

## 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 which extends seal life. 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: No Flow**

Relaxed O-ring seal and gentle seal-to-poppet contact guarantees low pressure sealing and eliminates valve chatter.

### **Open: Full Flow**

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

### **Closed: Reversed Check**

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**

*Consult Factory or Distributor for more help. Customer/user is solely responsible to select products suitable for their specific application requirements and to ensure proper installation, operation and maintenance of these products. Improper selection or use of products can cause personal injury or property damage. All sales are subject to Kepner Products Company Standard Terms and Conditions of Sale. Designs are subject to change without notice.*