



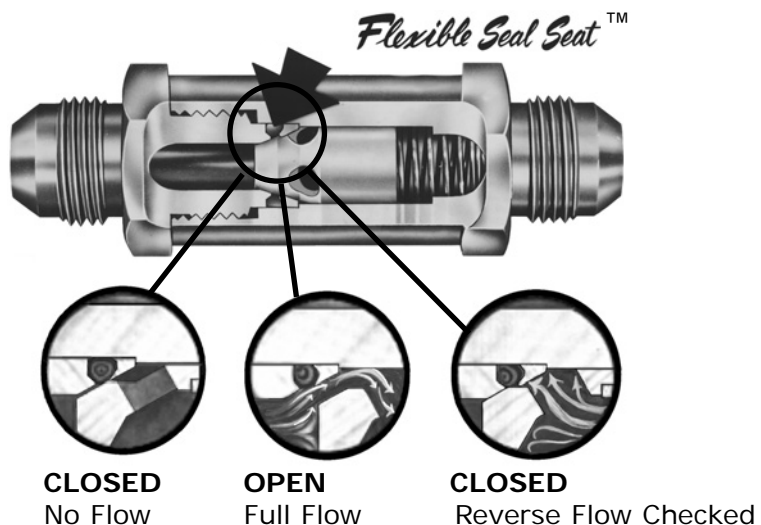
# KEPNER PRODUCTS COMPANY

ESTABLISHED IN 1948

INNOVATIVE ZERO LEAKAGE CONTROL VALVES FOR LIQUID AND GAS

## Our unique *Flexible Seal Seat*<sup>™</sup> assures bubble-tight performance.

The Kepner *Flexible Seal Seat*<sup>™</sup> 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*<sup>™</sup> 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*<sup>™</sup> 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.

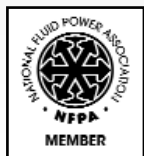
**OPEN:** (Full Flow) Seal flexes to close off all external leakage around end cap. Enclosure protects O-Ring seal, prevents seal displacement.

**CLOSED:** (Reverse Checked) 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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