



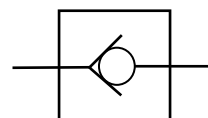
KEPNER PRODUCTS COMPANY

ESTABLISHED IN 1948

INNOVATIVE ZERO LEAKAGE CONTROL VALVES FOR LIQUID AND GAS



High Pressure Check and Relief/Check Valves



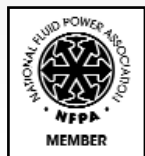
These inline valves allow free flow in only one direction, prevent backflow, and meet the industry's need for higher operating pressures. They also are used for relief and by-pass functions. Kepner's *Flexible Seal Seat™* combines metal-to-metal contact with a resilient seal seat ensuring bubble-tight shutoff of liquid or gas. This is an ideal choice for applications that require positive leak-tight sealing and long service life at pressures to 6000 PSI. Standard and specialty valves handle a wide variety of applications.

Features and Benefits:

- *Flexible Seal Seat™* for zero leak (bubble-tight) sealing to 6000 PSI
- O-Ring seal positively secured
- Non-pressurized threads
- Poppet stop inside valve body prevents spring from bottoming out
- Generous flow passages allow full flow with minimal pressure drop

Valve Specifications:

- End Connections: Pipe or Tube (NPT, JIC; 12 combinations)
- Port Sizes: 1/8 inch to 1 inch (3.2 mm to 25 mm)
- Body Materials: Steel, 303 Stainless Steel
- O-Ring Seals: Teflon®, other materials available
- Temperature: -300°F to 450°F (-184°C to 232°C), O-Ring dependent
- Relief/Check Valve Crack Pressures: 5 PSI (.35 bar), 10 PSI (0.7 bar), 25 PSI (1.7 bar), 50 PSI (3.5 bar) and 65 PSI (4.5 bar), others available
- Operating Pressure: to 6000 PSI (414 bar)
- Flow: to 25 GPM (95 LPM)



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.

KEPNER PRODUCTS COMPANY

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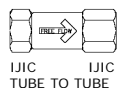
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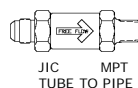
Part Numbers: Kep-O-seal® High Pressure Relief Check Valve
Fixed Settings 1/8" to 1" sizes

PORT CONFIGURATIONS

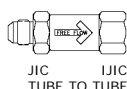
59 IJIC - IJIC



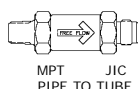
47 JIC - MPT



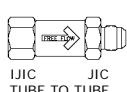
57 JIC - IJIC



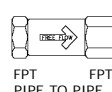
45 MPT - JIC



55 IJIC - JIC



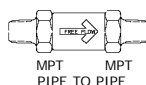
44 FPT - FPT



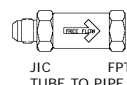
53 JIC - JIC



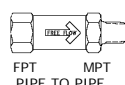
43 MPT - MPT



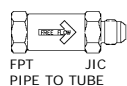
51 JIC - FPT



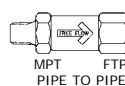
42 FPT - MPT



49 FPT - JIC



41 MPT - FPT



PART NUMBER EXAMPLE

44 06 - C - 3 - 25

PORT SIZES

04 = 1/8 PIPE - 1/4 TUBE

10 = 1/2 PIPE - 5/8 TUBE

06 = 1/4 PIPE - 3/8 TUBE

12 = 3/4 PIPE - 3/4 TUBE

08 = 3/8 PIPE - 1/2 TUBE

16 = 1" PIPE - 1" TUBE

CONSTRUCTION MATERIALS

C = STEEL

D = 303 STAINLESS STEEL

O-RING SEALS

3 = TEFLON®

CRACK PRESSURE

5 = 5 PSI CRACK

50 = 50 PSI CRACK

10 = 10 PSI CRACK

65 = 65 PSI CRACK

25 = 25 PSI CRACK

OTHERS AVAILABLE

Valve performance is dependent on proper selection, application, installation and maintenance. Consult Factory.

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