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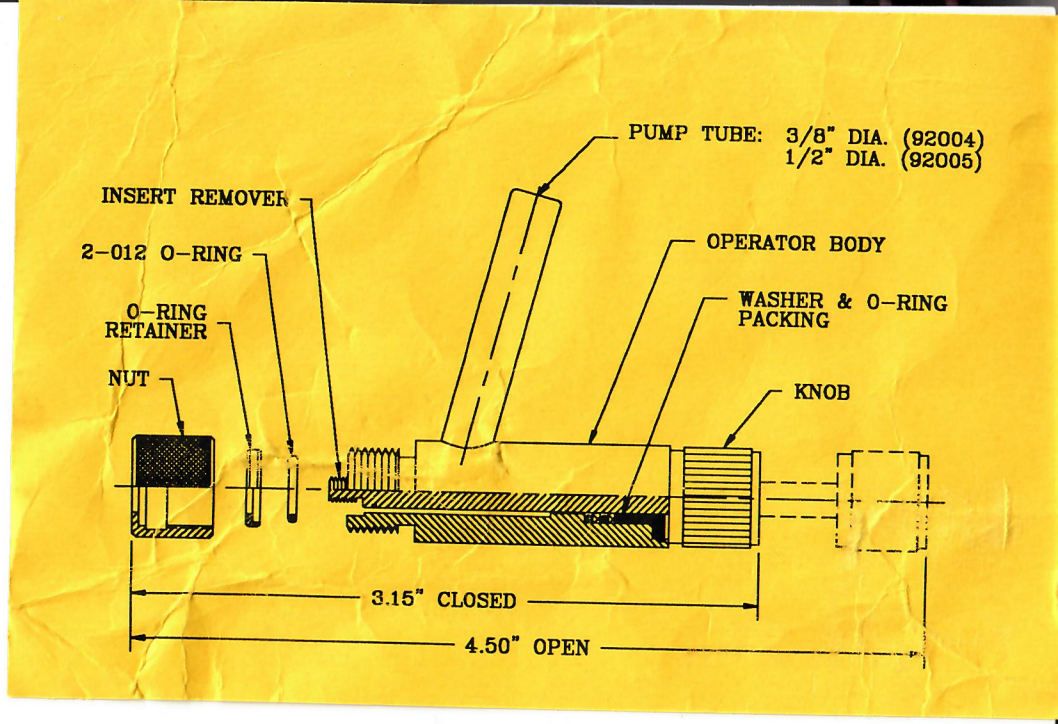
Operating Instructions for 1/4" or 1/2" Insert Valve Operator (Kadel P/N 92004 and 92005)

Application: For use in evacuation systems equipped with a 1/4" or 1/2" Insert Valve to pressures of less than 10(-6) torr.

1. Connect operator pump tube to vacuum pump, pull shaft to open position, and loosen gland nut one or two turns.
2. Slide operator over evacuation valve until seating on shoulder inside operator body.
3. Tighten nut firmly with fingers. Additional mechanical tightening is not necessary.
4. Push operator shaft through body until coming in contact with insert valve.
5. Engage shaft into insert by turning clockwise two or three rotations.
6. Evacuate vacuum section between pump and operator, then slide shaft to open position.
7. Once desired vacuum is achieved, gently push shaft to closed position. Note: Care should be taken in sliding and rotating the operator shaft on its o-ring seals to prevent small quantities of gas from entering the system. A small amount of vacuum grease should be applied to the shaft periodically. The shaft should be moved cautiously for optimum vacuum life.
8. Vent vacuum section between pump and operator.
9. Turn knob counterclockwise several rotations to disengage operator shaft from valve insert.
10. Pull shaft to open position, loosen gland nut, and remove operator.
11. Store in a sealed plastic bag for future use.

Kadel Engineering Corporation | Telephone (317) 745-2798 | Fax (317) 745-2799

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