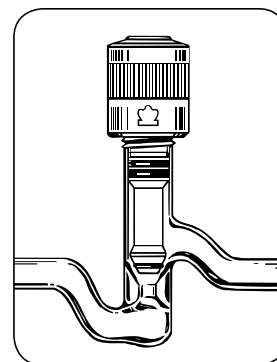




### Care and Use — HI-VAC™ PTFE VALVES

1. Valves are assembled with Viton® o-rings, suitable for use with oxidizing and NON-POLAR compounds at temperatures from -23°C to 204°C.
2. All elastomers have outgassing rates higher than glass. Long pump-down periods will typically reduce these rates by a factor of ten. Vacuum systems using PTFE valves normally operate at pressures up to 10<sup>-6</sup> mm Hg. Heating of this valve during pump-down with an air heat gun will improve ultimate vacuum.
3. O-rings should be lubricated with a thin film of vacuum grease to prolong life and reduce leakage by allowing the o-ring to slip easily along the tube. Excess grease should be thoroughly wiped off.
4. Any leakage across the o-ring stem seal occurs mainly on the inward movement. Turning the stem in and out during pump-down helps evacuate the space between the two stem o-rings. One o-ring may be removed if preferred, improving performance under some conditions.
5. O-rings may be removed from the stem by pushing the o-ring into the groove with thumb and forefinger, distorting ring sufficiently to form a small loop which can be “picked up” and the o-ring pulled off of the stem without damaging surfaces.

Viton® TM E.I. DuPont Co.  
HI-VAC® TM Kontes



*Your Source for Kimble,  
Kontes and Chase Brands*

Tel: 888-546-2531  
Fax: 856-794-9762  
www.kimble-chase.com  
info@kimble-chase.com

*ISO 9001:2000 Registered*