

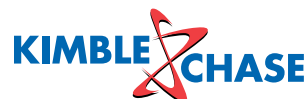


## Care and Use — Stopcocks with PTFE Plugs (Polytetrafluoroethylene)

Kimble PTFE stopcock plugs are made of the most chemically inert material in laboratory use today. Only a few chemicals have any effect on PTFE and these only at elevated temperatures and pressures. The material is extremely tough, durable and heat resistant, with practically zero moisture-absorption. It remains non-brittle even at sub-zero temperatures.

Observe the following hints to obtain maximum performance from your PTFE stopcock plugs:

1. To clean new plugs, carefully disassemble, lift plug free of glass barrel, and rinse all parts of plug and barrel in acetone. After drying, reassemble and the stopcock is ready for use. (Do not use abrasive materials to clean either plug or barrel at any time.)
2. The washer of PTFE must always be placed adjacent to the end of the glass barrel, to secure minimal friction when turning. When properly tightened, the plug will be slightly more resistant to turning than a lubricated glass plug.
3. Plugs of PTFE can be easily scored around the bore if rotated when solid particles are lodged between plug and barrel, or project beyond mating edges of glass parts. Once scored, the plug may leak.
4. Do not use a stopcock plug of PTFE on a vessel used for long time storage of liquids known to attack glass, since the surface of the barrel may become roughened, and leakage may occur between the plug and barrel causing a potential safety hazard.
5. If plugs of PTFE are used with liquids corrosive to glass, such as alkalis, rinse the stopcock thoroughly with water after use. Do not allow the liquid to evaporate. The concentrated solution remaining will attack the glass surface: and the eventual solids may also mar the surface of PTFE if the plug is then rotated.
6. When not in use, store in a dust-free area with plug loosened within the glass barrel. Although tough and unbreakable, PTFE is softer than glass and has a tendency to conform to the glass surface, including eventual expansion into the hollow parts of the barrel.



*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**