AP Style 6000
AP Services, a product and service brand of Curtiss-Wright, manufactures valve and pump packing products that have the lowest leak rates and friction in the industry. In the 1980’s, AP Services, Union Carbide, and Fisher Controls worked together to improve performance and reduce packing friction in combination graphite packing systems. What they came up with is a carbon and graphite packing material called Composites. Style 6000 Composite end rings offer the ultimate in packing performance and reliability. Style 6000 is manufactured from a graphite/carbon flake and resin mixture. The rings are then baked at high temperatures to bond the materials together and remove impurities.

Combination composite/graphite packing systems have shown a reduction in friction by as much as 75% when compared to packing systems that use graphitic yarn anti-extrusion rings. The flexible graphite seal rings also perform better since the density of the composite rings is higher than the flexible graphite. Because of the greater density of the Style 6000, gland loads are transferred to the flexible graphite much more effectively thus allowing for improved radial expansion and sealing.

Composite rings are designed to be used with Style 6300J flexible graphite seal rings. Style 6000 acts as an “anti-extrusion ring” to prevent the migration of the flexible graphite. Style 6000 is available as individual rings or in combination style 6000/6300 sets. Composites are manufactured under our QA program to strict tolerances and can be made to any specific size. This high purity ring can be certified to meet nuclear specifications.