

FIRE SEAL DIN SLEEVED PLUG VALVES



FluoroSeal® DIN Sleeved Plug Valves with the Fire Seal top seal have been tested and certified by an independent laboratory to the requirements of API 607, Fourth Edition (ISO 10497-5) for external leakage.

The FluoroSeal® Fire Seal design utilizes a PTFE sleeve and PTFE diaphragm as the external sealing components under normal conditions. Should these components be destroyed by fire, external leakage is prevented by:

1. A secondary flexible graphite seal ring encapsulated and compressed between the metal diaphragm and the machined counterbore in the valve body
2. A flexible graphite delta ring encapsulated and compressed between the unique shaped metal diaphragm and the machined plug stem

FluoroSeal® Fire Seal Valves also utilize a vented plug designed to relieve pressure buildup resulting from expansion of the service media within the plug, due to elevated temperatures caused by fire. The pressure is relieved to the upstream side, resulting in a uni-directional valve, which is indicated by an arrow on the side of the valve body.

